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# AQUATICS

## AquaMaster (glyphosate) Replaces "Rodeo"

#490005

Moves through the plant from the point of foliage contact into the root system. Therefore, AquaMaster kills the entire plant down to the roots, for more effective performance. 53% glyphosate. **Rate:** 1 -10 oz per gal water. **Size:** 2 x 2.5 gal

Price: \$ 64.47/Jug

Pick Up Price: \$ 61.45/Jug

## AquaShade (blue/yellow dye) Check Out True-Blue!!

#490006

Patented, concentrated liquid formulation, use in contained lakes and ponds. EPA registered for aquatic plant growth control. Contains a blend of blue & yellow dyes to block out specific light rays critical to photosynthesis. No restrictions on swimming, fishing, irrigation or stock watering. Leaves water a pleasing blue color. **Rate:** 1 gal/acre ft of water to 4 ft average depth. **Size:** 4 x 1 gal

Price: \$ 66.75

Pick Up Price: \$ 63.52

## Aquathol Super K (dipotassium salt of endothall)

Quick-acting contact herbicide that controls major aquatic weeds including hydrilla, milfoil and curly-leaf pondweed. When used as labeled, it will not harm the environment, fish, birds or other aquatic life. Dissipates quickly, leaving no residue, and does not bioaccumulate in fish or hydrosol. Aquathol Super K provides alternative formulations to control submersed plants under difficult conditions such as moving water. **Rate:** See label; need pond depth.

Size: 10 lb pail  
#490013

Price: \$247.38/Pail  
Pick Up Price: \$239.40/Pail

2 x 2.5 gal  
#490014

Price: \$221.80/Jug  
Pick Up Price: \$204.75/Jug

## Cide-Kick II (See Site, #434445)

#434019

Non-ionic penetrant made from natural limonene taken from the bark of pine trees. Increases effectiveness and reduces treatment costs when used with foliar applied liquid herbicides & algaecide. **Rate:** Use 0.5 to 1 oz of CIDE-KICK II per gal. of spray solution for floating, emersed or terrestrial weeds. For submersed weeds use 1.5 to 2.5 ounces per gal. of spray solution. **Size:** 12 x 1qt

Price: \$ 15.76

Pick Up Price: \$ 14.67

## Copper Sulfate (copper sulfate pentahydrate)

#490200

Safe and economical for control of algae in ponds and lakes. **Rate:** 3 lb/acre ft of water **Size:** 50 lb bag

Price: \$134.50

Pick Up Price: \$126.00

## Citrine Plus (elemental copper) Same Active Ingredient as EarthTech

Another Choice Against Filamentous Algae...



A patented, concentrated liquid algaecide with a wide range of labeled use sites. Contains chelated copper which stays in solution to continue controlling a broad range of algae well after application. No water use restrictions after treatment. **Rate:** 0.6-4.8 gal/surface acre depending on depth.

Size: 4 x 1 gal  
#490046

Price: \$ 33.85/gal  
Pick Up Price: \$ 31.53/gal

Size: 2 x 2.5 gal  
#490049

Price: \$ 82.50/Jug  
Pick Up Price: \$ 77.50/Jug

## Citrine Plus Granular

#490048

Granular chelated copper algaecide ideally suited for treatment of bottom growing algae and spot treatments along docks, beaches, boat launches and fishing areas. Controls growth before it reaches the surface. **Rate:** 60 lb./surface acre of water. **Size:** 30 lb bag

Price: \$ 79.20

Pick Up Price: \$ 73.80

## Citrine-Ultra (elemental copper)

#490041

Ideal for thick walled filamentous algae, colonial platonic algae, chara and copper-sensitive vascular aquatic plants. Has no general water use restrictions at label rates. Active ingredient is 9.0% copper as elemental (coper-ethanolamine) containing an emulsified surfactant/penetrant. **Rate:** 0.6 -3.0 gal/acre-ft. Dilute prior to use. **Size:** 2 x 2.5 gal

Price: \$ 80.50/Jug

Pick Up Price: \$ 74.75/Jug

## Devour

#490050

DEVOUR's blend of enzymes, facultative & nonfacultative bacteria accelerates break down of partially decomposed organic matter reducing sludge on lake & pond bottoms. **Rate, Initial:** 3-6 lbs/surface acre of water, depending on nutrient levels. **Maintenance:** 1.5 -2.0 lbs/surface acre of water. **Size:** 4 (6x8oz) water soluble pkts, 12# Cs

Price: \$ 553.20/Case

Pick Up Price: \$ 508.80/Case

## Diquat E Pro #490257 Same Active Ingredient as "Reward"

Concentrated liquid aquatic herbicide effective against a wide variety of submersed, emergent & floating aquatic plants, including duckweed, cattails and elodea. Restrictions after application. **Rate:** 1-2 gal/surface acre for submerged 0.5-1 gal/surface acre for floating weeds (Add a non-ionic surfactant for surface application) 1-2 gal per surface acre for algae suppression.

Size 2L 4/1 gal Price: \$ 78.30/gal  
#490256 Pick Up Price \$ 77.28/gal

Size 2L 2x2.5 gal Price: \$ 193.27/ea  
#490257 Pick Up Price: \$ 190.72/ea

## EarthTec (copper sulfate pentahydrate) Also comes in 275 gal. tote - call for pricing and availability

**Problems with Algae & Bacteria ...**Algaecide/bactericide for use in lakes, ponds, fountains & other water systems. **Biologically active** form of copper ion that will rapidly and evenly self-disperse throughout the body of water. **Lake and pond water may be used immediately** following treatment for irrigation without harm to plants or grass. **Rate:** 1 - 2 gal per 3 acre ft

Size: 4 x 1 gal Price: \$ 43.16/gal  
#490052 Pick Up Price: \$ 40.04/gal

Size: 2 x 2.5 gal Price: \$ 78.85/ea  
#490051 Pick Up Price: \$ 73.15/ea

55 Gallon Drum Call for Pricing  
#490053

## GlyphoMate 41 (glyphosate) Post-patent "Rodeo"

Unique formulation containing 41% glyphosate & a surfactant. GlyphoMate 41 is labeled for most aquatic sites **plus** landscaping plantings, turf renovation, nurseries, roadside, farmsteads, orchard floors, fallow land, many other uses. So **you can buy one product instead of two!** **Rate:** 1.3 - 3.8 oz per gal

Size: 4 x 1 gal Price: \$ 31.85/gal  
#490231 Pick Up Price: \$ 30.62/gal

Size: 2 x 2.5 gal Price: \$ 70.40  
#490229 Pick Up Price: \$ 67.10

## Jet Black Pond Dye

### Use to Reduce Sunlight Penetration...

Proprietary blend of environmentally friendly, nontoxic, water-soluble black dye formulated to reduce sunlight penetration and impart a natural black color when applied to any water feature. **Rate:** (1) SoluPak treats 1 acre (325,000 gals) Liquid: 22 oz/acre.

Size: 4(6x 5.25 oz) Price: \$ 63.36/ 6-Pk  
#490201 Pick Up Price: \$ 56.32/ 6-Pk

Size: 6 x 1 gal Price: \$ 64.80/gal  
#490207 Pick Up Price: \$ 57.60/gal

## Lake Relief #490192 (viable bacterial cultures)

A natural, non-toxic, biological product designed to solve the problem of excessive nutrient content in contained bodies of water. **Rate:** Initial: 25 lb/surface acre **Maintenance:** 10 - 12 lb/surface acre. **Size:** (1) Pail, 25 x 1 lb Solupak

Price: \$ 287.28/Pail Pick Up Price: \$ 283.50/Pail

## Navigate (2,4-D) #490004 (butoxyethyl ester)

A granular aquatic herbicide which selectively controls some of the most troublesome aquatic plants such as water milfoil, coontail, & spatterdock. Gradual release and systemic action ensures complete kill of the entire plant. **Rate:** 100-200 lbs/acre **Size:** 50 lbs

Price: \$ 205.00 Pick Up Price: \$ 196.00

## Precise Pond #490056 (butoxyethyl ester)

A combination of enzymes and bacteria that preemptively digest phosphorus and nitrogen in the water column, while accelerating the breakdown of partially decomposed organic matter, waste and sludge accumulation on lake and pond bottoms. **Rate, Initial Dosage:** 3-6 lbs/surface acre of water.

Size: 24 x 8 oz (12 lbs) Price: \$ 552.24  
#490056 Pick Up Price: \$ 497.76

Size: 30 lb, 60/8 oz Price: \$ 837.12  
#490141 Pick Up Price: \$ 797.88

## Reward #490062 See Diquat (generic) at the top of this page.

# AQUATICS & WEED IDENTIFICATION

## Restore (Fluridone, same as Sonar, #490138)

Aquatic herbicide is systemic for down-to-the-root control of nuisance aquatic plants such as: Watermilfoil, Coontail, Elodea, Hydrilla, Pondweeds, Naiads, Duckweed and Watermeal. Has no general water use restrictions at label rates. Active ingredient is 41.7% fluridone. **Application Rates:** vary by species, density, and treatment area between 3.8 and 7.7 fl oz per acre - ft

Size: 4 x 1 gal #236131 Price: \$ 1,816.32  
 Size: 6 x 8 oz #236132 Call for pricing  
 Size: 4 x 1qt #236133 Call for pricing

## Sonar AS (fluridone) #490138

Selectively manages problem weeds for 1 year or longer, minimal risk to the environment. Makes water usable for recreation, brings fish population back into balance and restores property values. **Sonar won't restrict swimming or fishing.** **Rate: Ponds,** select rates equivalent to adding 0.06 to 0.09 ppm of active ingredient to treated water. **Lakes & Reservoirs,** rates within the range may be selected to provide the equivalent of adding 0.075 to 0.15 ppm of active ingredient to treated water.

Size: 1 quart Call for price

## Spectrum #490137

Nitrogen & Phosphorous Metabo-lizer. Preemptively digests nitrogen & phosphorous, algae's primary food source. Concentrated "function specific" formulation provides 10-15 times more activity than ordinary biologics, more effective at metabolizing phosphorous than ordinary biologicals, reduces need for mechanical harvesting & algicides, improves water clarity and quality by balancing the ecosystem, integrate with chelated copper products and True Blue Lake & Pond Dye. **Rate, Initial Dose:** 3-6lbs/surface acre of water, depending on nutrient levels. **Maint., Dose:** 1.5 - 2.0 lbs/surface acre of water. **Size:** 24 x 8oz water sol pkts/ 12lbs ea

Price: \$ 432.00 Pick Up Price: \$ 405.00

## True Blue (blue/yellow dye) #490186

Natural blue appearance returns to your lakes & ponds. Odorless & nontoxic, TRUE BLUE provides an attractive, beautifying effect to natural or man-made ponds, water hazards, lakes & fountains. **Rate:** 1 gal/4 acre ft of water. **Size:** 6 x 1 gal

Price: \$ 43.92/ gal Pick Up Price: \$ 39.04/ gal

## True Blue EZ SoluPak #490188

(blue/yellow dye) Environmentally friendly, nontoxic, water soluble dyes formulated to reduce sunlight penetration and impart a natural blue color when applied to ponds, lakes & fountains. Solupaks are protected by a unique, waterproof, foil-lined over-packed to prevent accidental staining while handling. **Rate:** One solupak per one acre ft of water. **Size:** 4(6 x 5.25 oz packet)

Price: \$ 63.36/ 6-pk Pick Up Price: \$ 56.32/ 6-pk

## SITE (Aquatic Label) #434445

Made Exclusively for Conserv FS!

Enhances performance of Glyphosate phenoxy-type herbicide application. Improves leaf surface coverage and penetration effectively increasing herbicide availability, absorption by plants. Contains a blue spray pattern indicator providing coloration to targeted areas. Also contains antifoam reducing foam in the tank. **Ideal for landscape, turf and aquatic weed management.** Anywhere temporary target identification & increased herbicide performance would minimize application costs. Water-soluble, nontoxic to fish and wildlife. **Rate:** 2-4 oz/ gal of water or 2.5 gal /100 gal of water for spray solution. **Size:** 6 x (1) gal

Price: \$ 21.00/ gal

## Lake Rake Aquatic Weed Eradicator #437091

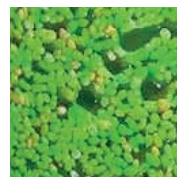
A chemical-free way to maintain your waterfront. Easy assembly & storage. **Price: \$ 81.95, Pick Up \$ 74.25**

## FLOATING WEEDS



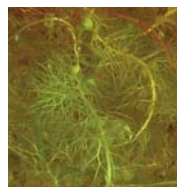
### DUCKWEED (Lemna spp)

Tiny floating plants may be only 1/8" in dia. Single root from each leaf hangs down in the water. Wind and currents will generate duckweed in certain areas. Reproduces mainly through budding. Develops into a seed-producing plant in three days.



### WATERMEAL (Wolffia spp)

Appears as a green blanket on water sheltered from the wind. Often mixes with duckweed and algae.



### BLADDERWORT (Utricularia spp)

Appears as free-floating plants without visible roots. Finely-divided leaves are scattered along its stem with numerous small bladder-like structures on the leaves.



# AQUATICS & WEED IDENTIFICATION

## EMERGENT WEEDS

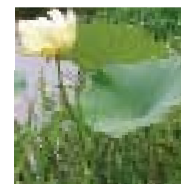
**CATTAIL (*Typha* spp)**  
Native perennial. Grows in shallow water or very moist soil from thick rhizomes, forms dense stands over large areas in ditches, wetlands, and water margins. Stem and leaves upright, to over 8 ft (2.5 m) tall. The stiff, cylindrical, jointless stem emerges out of the clasping sheaths that form the bases of the leaves.



**BULRUSH (*Scirpus* spp)**  
Native annuals or perennials. Grow from rhizomes to form clumps of slender, smooth, jointless stems arising above water or lower marsh plants. Rarely grows submersed. Many species are tall, growing to 10 ft (3 m), others as short as 6 in (15 cm). Stems are often round but can be edged or triangular in cross-section; usually with pith. Leaves at the base or lower stem; consist of a cylindrical sheath entirely encloses the stem, usually gives rise to a linear blade of varying length; some species have leaf sheaths but lack blades entirely. A cluster of flowers, often hanging from slender stalks, resembling a brown club or plume, emerges from the top, or from one side of the upper third, of the stem.



**AMERICAN LOTUS (*Nelumbo lutea*)**  
Native perennial. Dense colonies found in still water to 6 ft (1.8 m) deep. Leaf & flower stalks arise directly from spongy rhizomes rooted in the substrate. The circular leaves float flat on water when young and later emerge to 3.3 ft (1 m), held up by stout leaf stalks attached to the middle of the blade's underside. The extremely showy yellow flowers emerge from a large egg-shaped bud. The flower is many-petaled, fragrant, 4 - 10 in (10 - 25 cm) wide, and carried up to 3.3 ft (1 m) above the water.



**WATER LILY (*Nymphaea* and *Nuphar* spp)**  
Native perennial. Cylindrical rhizomes in the substrate produce leaf & flower stalks in calm - slowly flowing water. Floating leaves are round to oval, 6 - 12 in (15 - 30 cm) wide, with triangular notches cut out almost to center. Resulting basal lobes look more right-angled than rounded. Leaf stalk joins blade at the apex of the notch and multiple veins fan out from this point. The leaf's underside is usually reddish-purple. The showy, very fragrant, multi-petaled flowers, 3 - 6 in (7.5 - 15 cm) across, float on the surface; they close at night and in low light.



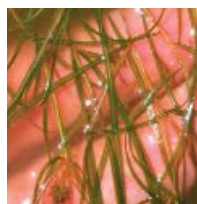
## SUBMERGED WEEDS

**COONTAIL (*Ceratophyllum demersum*)**  
Bushy branch tips, resembling a raccoon tail. Whorled & thread-like forked leaves, central hollow stem. Spines along only 1-edge of leaflets. Each leaf divides once. Grows in clear water to depths of 15'. No true roots, never extends above the water.



### LEAFY PONDWEED

**(*Potamogeton foliosus*)** Whorled crinkly leaves attached to center stem. Broader than coontail. Margin of leaves have microscopic barbs. Grows entirely underwater. 3 - 4 leaves attached to any point on the stem.



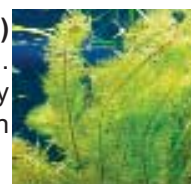
### NAIAD (*Najas minor*)

Opposite leaves, stiff pointed and about 1" long, easily visible spines, both sides. Leaves usually appear curved. Plant is very brittle, breaks easily when handled. Grows in shallow water.



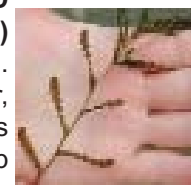
### WATER MILFOIL (*Myriophyllum* spp)

Grown entirely under water in depths to 10'. Has whorled leaves and stems that may extend above water. Has fern-like leaves in feather arrangement on long, hollow stem.



### CURLYLEAF PONDWEED (*Potamogeton crispus*)

Wavy or curly leaves, 1/2" wide, 2" - 4" long. Alternate leaves. Grows mostly underwater, shoreline - depths of 12'. Grows as early as February, will stop during summer, starts up again in the fall.



### ELODEA (*Elodea canadensis*)

Alternate leaves, easily confused with small pondweed. Short, very narrow grass-like underwater leaves. Plants fruit as early as May/June, form short clusters of 408 seeds attached to center stem by a short seed stalk. Grows from the shoreline to about 4'.



### FLOATING LEAF PONDWEED (*Potamogeton natans*)

Underwater leaves, appear as stalks. Floating leaves oval - lance shaped, are slightly notched at the base.



# AQUATIC PRODUCT RECOMMENDATIONS

<b>Problem Weeds</b>	<b>Material</b>	<b>Lake Fronts, Spot Treatments</b> Swimming areas, boat docks, shorelines Amount to use per acre
<b><u>FLOATING WEEDS</u></b>		
<b>Algae</b>	Aquashade/True Blue	Do Not Use
<b>Filamentous Algae</b>	Copper Sulphate	Do Not Use
	Citrine Plus Liquid	.6 gl/acre for each foot of depth
	Citrine Ultra	.6 gl/acre for each foot of depth
	Earthtec	1-2 Gallons/3 acre feet
<b>Duckweed</b>	Diquat w/Surfactant	Same as in ponds
<b>Watermeal</b>	Sonar AS	Sonar SRP only
	Restore	
<b><u>SUBMERGED WEEDS</u></b>		
<b>Coontail</b>	Navigate (2,4-D) Granular	100-200 lbs per acre
<b>Milfoil</b>	Aquashade	Do Not Use
<b>Pondweeds</b>	Aquathol G	2.5-3.7 lbs per 100 ft of shoreline
<b>Naiad</b>	Aquathol Super K	35-70 lbs per acre
<b>Elodea</b>	Diquat Liquid	2 gallons per surface acre
	Sonar AS	Not Recommended
<b><u>EMERGENT WEEDS</u></b>		
<b>Cattails</b>	Diquat w/Surfactant	1 gallon per 100 gallons water
<b>Rushes</b>	AquaMaster/Glyphomate 41	2 2/3 oz in 1 gallon water
<b>Sedges</b>	Sonar AS	Sonar SRP only
	Use SITE, see pg.3	
<b><u>SHORELINE VEGETATION</u></b>		
<b>Brush Small Trees</b>	AquaMaster/Glyphohmate 41	2 2/3 oz per gallon water to be sprayed

**Volume Calculator:** Length x width x average depth (in feet) x 7.5 = volume in gallons

**For round ponds use the following formula:**

Top Diameter (across) x Bottom Diameter (across) x depth x .785 x 7.5=volume in gallons

# AQUATIC PRODUCT RECOMMENDATIONS

## Ponds, Small Lakes

4 ft. average depth

Amount to use per acre

1 gallon

10-8 lbs

2.4 gallons

1-2 gallons/ 3 acre feet

1 gallon per 50 gallons water/surface acre

21-32 oz per acre

100-200 lbs

1 gallon

215 lbs

26-35 lbs per acre

2 gallons per surface acre

21-32 oz per acre

1 gallon per 100 gallons water

2 2/3 oz in 1 gallon water

21-32 oz per acre

2 2/3 oz per 1 gallon of  
water to be sprayed

## Read the Product Label for More Information

*Before using / Observe All Restrictions*

It is not easy to control algae. Repeated treatments are usually necessary. Treat before algae becomes dense. Retreat when algae reappears. Removing weeds is essential in algae control. For best results, apply on warm sunny days when algae is active and the water is 60 degrees F. or above. This controls most submerged weeds as well. Follow this when the algae reappears with re-treatment. When treating small areas, treat the shallow water first. The fish will move away from the treated area. Diquat is not effective in muddy water. Sonar/use only maximum rate for water-meal. Manufacturer guarantees duckweed control with a quart per acre dose. Recommended liquid formulation.

Apply in 50-100 gallons of water as weeds emerge. Do not treat until weeds are present. Do not treat less than 50 feet of shoreline with Diquat.

Diquat is not effective in muddy water or on American pondweed.

Apply Diquat early in the season where submerged weed growth has not reached the surface, see label for specific application directions and rates.

Apply Diquat after weeds have emerged from the water and are at least 2 feet high. Wet vegetation thoroughly. Requires about 200 gallons of spray solution to treat one acre of cattails. Apply AquaMaster to actively growing foliage. Best if applied late in season but before leaf color change.

Apply AquaMaster to actively growing foliage. Best if applied late in the season, but before leaf color change.

### Misc. Calculations

Total gallons of water x 8.5 = Total weight of water

Total surface of pond (length x width) divided by 65 = total tons of stone for edging pond

### Fish Calculator

Total gallons of pond / 200 = Total 6" fish safely stocked

Total gallons of pond / 800 = Total 12" fish safely stocked

# AQUATICS



## Where Quality Counts



Premium Nozzles

High Oxygen Transfer Aerators

Water Circulators

De-Icers, Landscape Lighting,  
Control Units, all Industrial Strength  
Designs for the Toughest Jobs

Promotes Pond Health and Increases  
Fish Health and Growth

1 HP Per Acre Up to 10 ft Depth

Environmentally friendly

Stainless Steel Safety Cage

1/4 HP • 1/2 HP • 3/4 HP • 1 HP

Call for pricing

**New!** Ask About  
**“Robust-Aire™”  
Aquatic Aeration Systems**

Affordable - Versatile - Energy Efficient - Dependable

### Volume & Weight Relationship to Water

- 1 gallon weight = 8.345 pounds
- 1 liter = 1,000 grams
- 1 metric ton = 1,000 liters = 264 gallons
- 1 cubic foot contains 7.48 gallons
- 1 acre-foot contains 325,826 gallons
- 1 acre-foot weight 1,234 metric tons
- 1 hectare-meter contains 10,000,000 liters
- 1 hectare-meter weighs 10,000 metric tons

### Parts Per Million (ppm) Calculations

- 1 PPM =
- 1 milligram/liter
  - 1 milligram/kilogram
  - 1 gram/metric ton
  - 2.72 pounds/acre-foot
  - 3.78 milligrams/gallon
  - 8.34 pounds/million gallons

### Finding the Surface Area of A Pond

Circular Pond  
Surface Acres =  $\frac{3.14 \times \text{Radius Squared}}{43560}$

Rectangular Pond  
Surface Acres =  $\frac{\text{Length} \times \text{Width}}{43560}$



# WATER SOFTENER SALT

Not all locations stock all these water softener salts  
Please call your Service Center to make sure what you want to pickup is in stock



## Ultra High Purity Water Softener Salt

### ProSoft Solar Extra Coarse

- 99.8% pure salt
- ProSoft Extra Coarse Solar Salt is produced by the natural action of sun and wind from salt rich waters
- Improves softener performance
- Resists mushing and bridging
- Minimizes brine tank clean out

#445058 50# 49 bgs/pallet



### ProSoft Water Softener Salt Condensed Cubes

- 99.8% pure salt
- Cleans resin and eliminates odors
- High purity minimizes residue
- Prevents rust build-up and stains
- Improves Performance

#445070 50# 49 bgs/pallet

#445008 80# 30 bgs/pallet



### ProSoft Rust Buster

- 99.8% pure salt
- Cleans resin and eliminates odors
- High purity minimizes residue
- Prevents rust build-up and stains
- Improves Performance

#445006 40# 63 bgs/pallet

#445051 50# 49 bgs/pallet

### K-Life® Sodium Free Water Softener Crystals

- Works in any brand water softener unit
- Adds no sodium to your softened water
- Adds potassium to drinking water
- The healthier alternative for consumers who are concerned about their sodium intake
- Removes some of the native sodium from your water
- Reduces the amount of chlorides discharged into the environment versus common salt

#445010 50# 49 bgs/pallet



# ARBORIST SUPPLIES

## Ace Cap Implants

#434281

Systemic iron, manganese, or insecticidal implants useful in trees where iron/manganese deficiencies are difficult to control.

Size: 10 Pack

Price: \$ 13.50/ea

## Anchor Stakes/Tree Stakes

Rugged steel rods fasten securely into ground. Sharpened cutting edge for easy installation.



#436177: 3/8" x 17" Price: \$ 5.60/ea

#436175: 3/8" x 27" Price: \$ 6.30/ea

#436178: 3/8" x 37" Price: \$ 8.54/ea

## ArborTie

Nylon ArborTie, safe, soft, easy use, less expensive than traditional ties. Replaces traditional staking & guying.

#434099: 250' Green \$ 37.70

#434101: 500' Green \$ 75.40

#434102: 500' White \$ 81.20

#434103: 3,000' Green \$ 384.25

#434104: 3,000' White \$ 362.50



## Assure Tree Spikes

#434014

(5-5-8) Application: 1 - Spike for every inch of diameter. Use for planting, transplanting and maintenance of ornamental trees and shrubs.

Size: 100 (5 oz)/Case

Price: \$ 135.11

## Burlap

### Squares

#434064: 48" Price: \$ 1.13/ea P/U: \$ 1.09/ea

#434067: 36" Price: \$ 0.70/ea P/U: \$ 0.65/ea

### Rolls (100 yards)

#434065: 36" Price: \$ 75.46/ea P/U: \$ 68.60/ea

#434062: 48" Price: \$ 90.00/ea P/U: \$ 82.20/ea

\* [Ask about treated Burlap](#)

## Burlap Pinning Nails

#434069

Price: \$ 58.50/ 50 lb Box

Price \$ 55.00/ 50 lb Box, When you buy 50+ Boxes

## Tree Wrap Burlap

#434493

4" x 300'

Allows tree trunks to breathe for faster growing, healthier trees. Protects trees against harsh winter and summer weather.



Price: \$ 11.30/ea

Pick Up Price: \$ 10.41/ea

## JD9-C Spray Gun

#439380

Top of the line tree and shrub gun. Very durable. Drip free shut-off, convenient trigger lock for continuous spraying, adjustable from fine fog to long distance pencil stream, and maximum 1,000 psi. JD9-C with trigger controlled variable spray pattern.



Price: \$ 174.00

## HD-8 Heavy Duty

#437306

## Surface Root Feeder



The HD-8 Heavy Duty Surface Root Feeder is designed and constructed to do the best possible job; stands up to heavy-duty, day-in, day-out use; and can be easy and convenient to use. Fits your JD9 Spray Gun.

Price: \$ 280.00

## Medicap Implants

Systemic nutrient implants useful in trees where iron/manganese deficiencies are difficult to control. Fast acting insecticidal control.

Size: 10 Pack

#434265: Medicap FE

Price: \$ 12.00/ea

#434268: Medicap MN

Price: \$ 12.95/ea

## Pentra-Bark

#490251

Bark penetrating Sufactant. Apply to woody bark periderm in combination with systemic pesticides to open the lenticels and enable movement through the lenticels into the plant's vascular transport system. **Rate:** 2 oz per gallon of spray solution. **Size:** 12 x1 qt

**Price:** \$ 37.74/qt

**Pick Up Price:** \$ 36.72/qt

## MYCOspikes 6-10-10

**Application:** 1 - Spike for every inch of diameter. Use for planting, transplanting and maintenance of ornamental trees and shrubs. Adds mycorrhiza and vital nutrients to the root zone.

# 434015: 24 (25x5oz)

**Price:** \$ 9.06

## Tree Guying Smooth Wire

Handy, multi-purpose wire. Available either annealed or galvanized in a full range of sizes. From 9 - 14 gauge.

#436160 9 Gauge, 170'

**Price:** \$ 11.95

#436165 12.5 Gauge, 330'

**Price:** \$ 13.55

#436170 14 Gauge, 580'

**Price:** \$ 10.88

## Plastic Tree Wrap/Tree Guard

Five white plastic tree guards in each pack.

#434407: 36"

**Price:** \$ 4.95/Pk

#434409: 40"

**Price:** \$ 6.40/Pk

#434408: 48"

**Price:** \$ 7.44/Pk

## Tree Wrap Paper

Protects your trees against sunscald, severe frosts, rodents, windburn, lawn trimmers. Preserves moisture content of bark. Prevents excessive dripping.

#434497: 4" x 150'

**Price:** \$ 12.96

#434498: 3" x 50'

**Price:** \$ 4.80



## Solupaks Soluble Rooting Stimulant

#434108



Dry rooting stimulant in convenient pre-measured pack. Promotes rapid growth and regeneration of roots, seedlings, cuttings and transplants. Minimize stress during installation & transplanting. Especially suitable in irrigation bags. **Size:** 1-oz packs, 100 pks/pail

**Application:** (1) Solupak in 5 gal of water, mix thoroughly with agitation for drench application. **Bedding Plants, Greenhouse & Nursery Stock:** 5 paks/50 gal of water. Apply to saturation at each watering.

**Price:** \$ 118.40/ Pail **Pick Up Price:** \$ 99.00

**Over Stock -- BLOW OUT Pricing!**

**NOTE: Especially Suitable in Irrigation Bags!**

Use one (1) Solupak for 10-14 gal irrigation bag; two (2) for 20 gal irrigation bags. Apply Solupaks each time the tree is watered.

## Treegator Jr.

Item #434545



- Ideal for new trees or shrubs with branches at least 6" off the ground
- Holds 15 gals
- Waters for 5 to 8 hours
- Fits up to 6" caliper (dia) trunk
- Removable emitters

## Treegator Portable Drip Irrigation

Item #434544




- Ideal for new trees with branches at least 25" off the ground
- 1 bag holds 20 gals; 2 bags zipped together, up to 50 gals
- Water for 5 to 9 hours
- Fits .1" to .8" caliper (dia) trunk

Treegator® is a slow release watering system for new trees. Treegator® Bags save you time, money & effort, all while properly and efficiently watering your new trees. **Treegator® is the ONLY one that has been used and trusted by industry professionals worldwide since 1991.**



# HIGH SPEED

**INSECT CONTROL** *for trees & shrubs*



**Zylam Liquid**  
SYSTEMIC INSECTICIDE

**PENTRA-BARK®**

- Rapid Movement Through Plant
- Extended Systemic Activity
- Controls Over 70 Pests
- Ideal For Multiple Application Methods
- Easy Effective Application
- No Drift or Chemical Trespass
- Large Tank Trucks Not Needed
- Proven Effective with Fungicides - Herbicides

**CONSERV FS**



## Application Rates for Zylam

### Liquid Insecticide

#### Bark Banding Application

**Rates:**

Mix 16 oz of Zylam Liquid Insecticide with 1 of PentraBark in 1 gallon of water  
1 gallon of solution will treat 36 - 40 inches of tree DBH

**Steps:**

- 1) Using a low-pressure sprayer (15 - 20 psi), spray the trunk of the tree from the root flare just above ground level) to 5 feet up the trunk.
- 2) Spray should be applied around the entire trunk to the point of runoff.
- 3) For thicker bark, a double-pass may be required to apply appropriate amount.

#### Soil Drench Application

**Rates:**

Shrubs: 0.3 oz of Zylam Liquid Insecticide per 1' of shrub height  
Small Trees: (under 24" DBH) 0.5 oz of Zylam Liquid Insecticide per 1" of tree DBH  
Large Trees: (over 24" DBH) 0.8 oz of Zylam Liquid Insecticide per 1" of tree DBH

**Steps:**

- 1) Using a 5 gallon pail, mix the required dosage of Zylam in 1 quart of water per inch of the tree DBH or 1 foot of shrub height.

Example: A tree with 12" of DBH requires 6 oz of Zylam mixed in 12 quarts of water

- 2) Before applying the solution, pull back any mulch around the tree or shrub.
- 3) Apply the solution evenly around the tree, keeping a minimum distance of 2 - 3' from the trunk. Target zone should be under the drip line of the tree or shrub.

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**DBH =** Diameter at Breast Height, usually 4-5' up the trunk  
Use this diameter as your DBH measurement

**Drip Line =** The area under the tree between the two furthest points of branch tips  
The area under the drip line is where the majority of the absorption roots are located

---

#### Zylam

#470026

Highly systemic product labeled for use on landscape ornamentals in residential & commercial areas, golf courses, parks and schools. Applies as a soil drench, bark banding, soil injections and foliar application.

#### Pentra-Bark

#490251

Bark penetrating surfactant. When applied to the woody bark periderm in combination with systemic pesticides like Zylam, it opens the lenticels and enables movement into the plant's vascular transport system.

# ARBORIST SUPPLIES

## Fungicides - Mauget

### **Fungisol (contains Debacarb) 4ML #480431**

Developed specifically for micro injection treatment of over 30 common pathogenic diseases (Oak Wilt Ceratocystis fagacearum, Dutch Elm Disease Ceratocystis Ulmi, Fusarium Wilt, Anthracnose, Nectria Canker, Verticillium Wilt, Coryneum Blight, Diplodia Tip Blight, Phomopsis Canker, Elm Wilt Cephalosporium Ulmi, Cytospora Canker, Pink Bud Rot in Palms Penicillium vermoeseni, Melanconium, etc.)

**Price:** \$ 91.13 1/2 flat **Pick Up Price:** \$ 87.62 1/4 flat

### **Agri-Fos #480099**

Systemic Fungicide used on ornamentals & Turf for effective control of various plant, tree and turf diseases such as: phytophthora diseases associated with sudden oak death, downy mildew, phytophthora & pythium. **Size:** 2 x 2.5 gal **Rate, Ornamental:** 2-4 tsp/gal, 2-4 pt/100 gal **Turf:** 5-10 oz/1,000 Sq Ft

**Price:** \$ 69.87/jug **Pick Up Price:** \$ 65.57/jug

### **ArborFos 7.5ML #470617**

ArborFos, a new fungicide developed specifically for trees. ArborFos has a CAUTION label for diseases such as Sudden Oak Death in addition to P. cinnamomi, P. palmivora and P. cactorum. Anthracnose, Apple Scab & Bacterial Blight can also be contained. ArborFos rapidly improves root, stem and leaf growth as disease pressure eases.

**Price:** \$ 84.00 1/4 flat **Pick Up Price:** \$ 75.00 1/4 flat

## Insecticides - Mauget

### **Imicide (contains imidacloprid) #470600**

Use on plants intended for aesthetic purposes or climatic modification being grown in interior landscapes, ornamental garden or parks, or golf courses, lawns or grounds. Recommended target insects include Psyllids (including Eucalyptus Redgum Lerp Psyllid), Eucalyptus Longhorned Borer, Flat-head Borers (including Alder Birch Borer, Bronze Birch Borer, Cottonwood Longhorned Borer, Adelgids, Aphids, Elm Leaf Beetle, Japanese Beetle, Lacebugs, Leafhoppers, Leafminers, Mealybugs, Pine Tip Moth Larvae, Scale Insects, Thrips and Whiteflies, Black Vine Weevil Larva. Caution label, long residual, preventative, broad spectrum. **Size: 2ML (1/4 flat)**

**Price:** \$ 68.90 per 1/4 flat **Pick Up:** \$ 66.26 per 1/4 flat

## Fertilizers - Mauget

### **Stemix Hi-Volume Plus #470611**

All purpose balanced fertilizer that stimulates both foliar and root growth without extended damage to trees. Particularly effective in promoting new foliar, cambial and root growth where conventional applications of fertilizing amendments do not produce this effect. It provides the stimulation necessary for the proper acceptance of soil applied fertilization materials.

**Price:** \$ 63.00 1/4 flat **Pick Up Price:** \$ 56.25 1/4 flat

### **Inject-A-Min Iron/Zinc #470614**

Agricultural mineral injectors contains Iron and Zinc sulfates, considered quite effective in rapidly overcoming deficiencies in Pin Oaks and other species of trees. Symptoms are usually displayed by leaves having darker green veins with yellowing or loss of color between veins. Young leaves are affected primarily.

**Price:** \$ 64.75 1/4 flat **Pick Up Price:** \$ 57.81 1/4 flat

### **Inject-A-Min Manganese #470615**

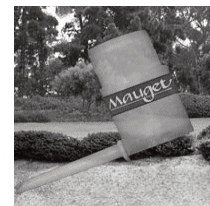
Agricultural mineral injectors contain Manganese Sulfate, considered quite effective in overcoming Manganese deficiencies in Palms, Maples, Citrus and other species of trees. Symptoms are usually displayed by leaves having darker green veins with a yellowing or loss of color between veins. Young leaves are generally affected primarily.

**Price:** \$ 64.75 1/4 flat **Pick Up Price:** \$ 57.81 1/4 flat

### **Mauget Self Study Course #434253**

The self study course contains a manual plus four videos. It contains all the information you need to become micro-injection certified.

**Price:** \$ 131.25 each



## Mauget Micro-Injection

**IMPORTANT: MAUGET CERTIFICATION REQUIRED**

- **Easy to use!** All you need is a portable drill and a rubber mallet.
- **Scientifically Proven!** Micro-injection has been field tested for over 40 years. Mauget micro-injection is the treatment of choice for professional arborists!
- **Environmentally friendly!** No air, soil or groundwater contamination occurs--unlike other method, birds, fish and beneficial insects aren't harmed.
- **Economical & Efficient!** No drift, no spill, no waste!
- **Fast and Effective!** Since materials are injected directly into the conductive tissues of the tree, the liquid treatment moves quickly to where it is needed most. In some cases you can see results in just 15 minutes.

**Products will last up to 2 years**

## NU-ARBOR 5-16-16

**#550250**

### Tree & Root Fertilizer

A technologically advanced fertilizer which is recommended for either general maintenance applications or for fall applications. It does an excellent job preparing trees and shrubs for mild or severe winter conditions. **CONTAINS:** Food grade urea, Food grade ortho phosphoric acid, Food grade potassium hydroxide, Seaweed extract & Sugar. **Size:** 2 x 2.5 gal  
**Call for Pricing**

### NU-ARBOR FERTILIZER BENEFITS

- **LOW SALT INDEX:** May be applied without fear of burning turf or roots
- **LIQUID FORMULA:** Does not require constant agitation in the tank
- **FOOD-GRADE FERTILIZERS NU-ARBOR** can be termed "Food Grade" because it is made from virgin phosphoric acid (the same quality of acid used in soda pop).
- **NEUTRAL pH NU-ARBOR** fertilizers have a neutral (7.0)pH, made from the highest quality ingredients available.
- **CONCENTRATED FERTILIZER WITH NO CARRIER NEEDED:** Our fertilizer products are a chemical reaction of virgin phosphoric acid, potassium hydroxide, low biuret urea and aqua ammonia. NU-ARBOR fertilizers have not been diluted with water. Root Fertilizer can be applied in concentrated form or mixed with water and applied through a high pressure tank.

## PRO-MIX 'BX' w/Microrhizae

General purpose growing medium. Peat-based professional growing medium for the cultivation of horticultural greenhouse plants. **Size:** 3.8 cu ft -or- 2.8 cu ft

# 434361: 2.8 cu ft \$ 13.60 **Pick Up:** \$ 12.54  
# 434371: 3.8 cu ft \$ 31.69 **Pick Up:** \$ 27.98

## PRO-MIX 'HP' w/Microrhizae

Professionl High porosity growing medium. Use in the cultivation of horticultural greenhouse plants. The light weight and high porosity provides optimum conditions for establishing plant growth, especially when growing situations require high air-capacity and low water-retention media. Ideal for use with water-sensitive crops, propagation of cutting and/or low-light growing conditions. **Size:** 3.8 cu ft -or- 2.8 cu ft

# 434363: 2.8 cu ft \$ 13.86 **Pick Up:** \$ 13.44  
# 434376: 3.8 cu ft \$ 30.84 **Pick Up:** \$ 26.60

## PRO-MIX 'PGX'

Plug & germination growing medium. Peat based for germination, growing on with plug systems. Ornamental and vegetable seedlings grow in plugs, raised under high-density conditions, developing root systems limited to confines of the plug cell. This type of culture requires highly specialized medium providing optimum physical & chemical properties to promote seedling growth. **Size:** 3.8 cu ft -or- 2.8 cu ft

# 434366: 2.8 cu ft \$ 16.97 **Pick Up:** \$ 15.71  
# 434365: 3.8 cu ft \$ 39.55 **Pick Up:** \$ 36.16

## PRO-MIX HP Plus

**#434368**

Greenhouse subirrigation growing medium. Peat-bark based designed for cultivation of horticultural plants with automated watering systems. A combination of Sphagnum peat moss, composted softwood bark and coarse perlite form a porous growing medium which allows water drainage and air exchange for developing root systems. **Size:** 2.8 cu ft

**Price:** \$ 32.01 **Pick Up:** \$ 29.84

## Peat Moss

**#434304**

A natural, organic product harvested from PREMIER's select bogs. Its fibrous consistency improves the structure of all soil types (ie, loam, sand and clay) by improving aeration and increasing drainage to promote plant root development. High water retention so gardeners water less often. These properties form an ideal soil amendment for all planting and gardening needs. **Size:** 3.8 cubic foot compressed

**Price:** \$ 9.77 **Pick Up:** \$ 9.02

## Plant Marvel Application Rates

See Fertilizers Section

# ATHLETIC FIELD SUPPLIES



## Check Out Our Line Up!

**TURFACE MVP®** improves the native soil root zone by adding permanent pore space to prevent compaction. TURFACE holds moisture and nutrient while increasing drainage and creating balanced air & water pore space.

MVP #434500, 50 lb bag **Also Available in Bulk**

**Applications:** Ideal for Topdressing and Drill & Fill Machines

Topdressing rates to prevent slick: 250 - 500 lbs per 1,000 Sq ft

Topdressing rates after aerification: 250 - 500 lbs per 1,000 Sq ft

Renovation or construction rates: 15% - 30% by volume 1 - 2 tons per 1,000 sq ft, 4" deep

**TURFACE Pro League®** a patented soil conditioner providing the same benefits to the soil as TURFACE MVP®, but manufactured with smaller, more uniform particles that flow easily into aerification holes. Used as a topdressing, Pro League® saves games and turf by preventing slick & muddy conditions that destroy turf making fields unplayable.

Pro League #434508 50 lb bag

**Also comes in bulk**

Pro League **RED** #434522 50 lb bag

**Also comes in bulk**

Pro League **Heritage Red** #434525 50 lb bag

**Also comes in bulk**

### TURFACE Quick Dry®

*Becomes a part of your infield, working time and time again!*

- Eliminates puddles and standing water.
- Specially designed to absorb infield puddles.
- Sized for greater surface areas to eliminate puddles instantly
- Unlike corn cob absorbents, will not harden when dry



Quick Dry #434503 50 lb bag

**Also comes in bulk**



**PROFILE Field & Fairway®** For Sports fields & golf courses alike! In rainy, muddy conditions, you can simply dump and rake Field & Fairway into slippery, slimy areas, letting the product absorb moisture returning the field to safe and playable conditions. Field and Fairway permanently balances the soil, relieves compaction and prevents muddy conditions that destroy turf. The medium-sized particle is also ideal for topdressing, and can be used for native soil construction.

Field & Fairway #434513 50 lb bag

**Also comes in bulk**



**PROFILE Pourous Ceramic Greens Grade** for use on sand-based or native soil courses. Manufactured to exceed particle size and stability requirements outlined in the USGA's **Recommendations for a Method of Putting Green Construction**, and is the only soil amendment recommended by Palmer Design Company!

- Dramatically improves root zones providing greater root mass

- Holds moisture and nutrients while increasing drainage

#434507 50lb bag

Profile Tees & Fairways #434530 50 lb bag

*Bagged product is available for pick up at all **Conserv FS** locations.*



# ATHLETIC FIELD SUPPLIES



## TURFACE® MoundMaster® Blocks

Easily maintained superior pitching & batting surfaces. TURFACE MoundMaster Blocks are made by forming high quality packing clay into easy-to-use blocks that provide excellent durability for your mound and batter's box. Moundmaster blocks are packaged in 8-block baggies to preserve moisture. By building and maintaining your pitcher's mound & batter's box with MoundMaster, you are providing your athletes with safe and consistent playing surfaces pitch after pitch!

### #434278: 304 Bricks/Pallet

Store unused bricks under a damp towel or burlap sack wrapped in their protective plastic covering to keep moist & workable. Avoid direct sunlight.

#### Pitcher's Mound Applications- Full Size

##### *Approximate Number of Blocks*

Plateau	53
Landing Area	111

**Total** 164

#### Batter's Box Applications- Full Size

##### *Approximate Number of Blocks*

Batter's Box (Total)	216
Catcher's Box	75

**Total** 291



## TURFACE® Professional Mound Clay

Our professional Mound Clay features the same high quality packing clay as MoundMaster Blocks, in a loose-pack shredded clay. The product is easily manipulated and perfect for use in maintaining and repairing pitcher's mounds & batter's boxes. Professional Mound Clay provides a firm, consistent surface to ensure players' sure footing!

**#434504 - Call for Pricing**

#### Pitcher's Mound Approximate Number of 50# Bags

<b>Table:</b> 4" depth 11 bags 6" depth 17 bags	<b>Landing:</b> 4" depth 20 bags 6" depth 30 bags
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**Batter's Box:** 4" depth 38 bags, 6" depth 58 bags

**Catcher's Box:** 4" depth 13 bags, 6" depth 20 bags



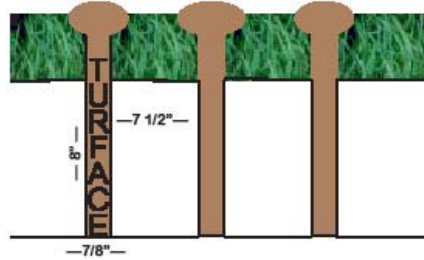
# ATHLETIC FIELD SUPPLIES

## Drill & Fill with TURFACE

### “DRILL -N- FILL” Instead of Complete Field Renovation

- Play resumes on field immediately
- Breathes new air into a compacted field

Gives grass the missing component for growth: oxygen  
Maximizes performance & Safety



7/8" X 8" holes are filled to the top with TURFACE®. One pass of the Drill-N-Fill machine covers 25" x 60"  
Stadiums - Sports Fields - Schools - City Parks - Recreation

## Maximus® Aeration



The Revolutionary New Contracted Service for

### Deep Aeration & Instant Fill

**Bigger Nozzle!**

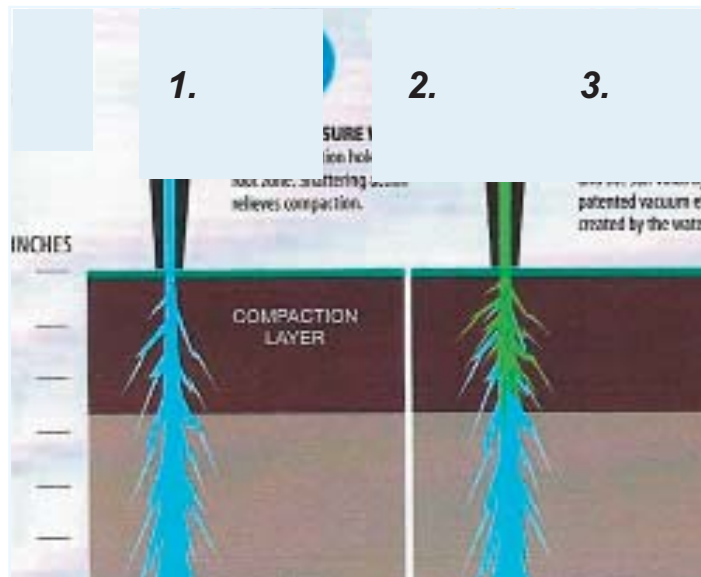
Injects about 2.5 ton of material per hour

**More Pressure!**

Aerates and fills 9" - 11" deep, 5" x 6" spacing

*In the diagram to the Right...*

1. High pressure water blasts an aeration hole in the root zone, shattering action relieves compaction
2. Dry material is drawn into the hole by a patented vacuum effect created by the water blast
3. In a fraction of a second, the root zone is aerated, soil amendment fills the hole completely and the surface is **ready for play!**



Contact your CTS  
to see a video!

# ATHLETIC FIELD SUPPLIES

## EZ Reacher Pro

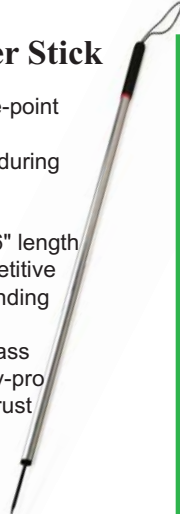
- Premier pick-up tool for landscape maintenance, industrial applications, & gardeners
- Made of anodized aluminum, stainless steel and high strength ABS plastic
- *Replacement cups available*



32"	#437206	\$ 21.00
	Pick Up	\$ 19.00
40"	#437208	\$ 22.00
	Pick Up	\$ 20.00
60"	#437207	\$ 31.45
	Pick Up	\$ 29.75

## EZ Litter Stick

- Durable single-point
- Retains trash during pick up
- Convenient 36" length eliminates repetitive stooping & bending
- Heavy duty glass reinforced poly-pro tip eliminates rust and corrosion



#437250  
**Close Out**  
Price: \$ 10.43



PROFESSIONAL TOOLS WITH AN ATTITUDE  
8" x 8"

## 8" x 8" Tamper

- For tamping asphalt, gravel and dirt

- All steel construction with 10" end grip

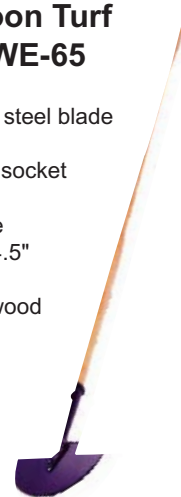
CONSTRUCTION WITH 10" END GRIP



#438012  
Price: \$ 29.60  
Pick Up: \$ 27.35

## Half Moon Turf Edger WE-65

- 12 gauge steel blade
- Cast-iron socket
- Head size 8.75" x 4.5"
- 48" hardwood handle



#438255  
Price: \$ 23.09  
Pick Up: \$ 21.25

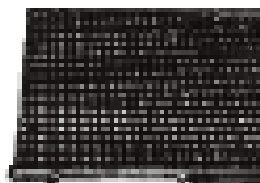
## Easy Base Anchors

Eliminate cement & time consuming installation!  
Base posts you can raise when adding ballfield mix to your field.

#431012

Call for Pricing

## Infield Drag Mat



A very important tool used to work TURFACE MVP conditioner to the top 1 1/2" to 2" of your infield mix. #435425

Price: \$119.00

## Fenceguard

Your best defense against serious injury from chain link fences. Highly visible safety yellow, *maintenance free!*

#436060, Topp 8'

Call for Pricing



## Nail Drag



Specially designed & engineered 6' lead bar cuts and smooths rough spots. Pull behind a tractor or it is light enough to be pulled by hand. Stores rolled up, 40" long, 72" lead bar and pull rope.

#435420: 5' x 40" \$ 244.20

#435415 6' x 40" \$ 237.50

## Wind Weighted® Baseball Tarps

Rain covers stay put in wind without stakes or sandbags!  
Galvanized steel chain in the edge hem all around keeps wind out, so they stay down.

Sizes: 12', 18', 20', 26', 30' dia  
Squares: 6', 8', 10', Custom sizes available (bullpens, etc.)

Call for pricing & availability



## Batting Cage Nets

Constructed of heavy synthetic filament polyethylene fiber. No-sag net system, extruded permanent black color and UV treated. 1 3/4" square mesh for outdoor and indoor use.

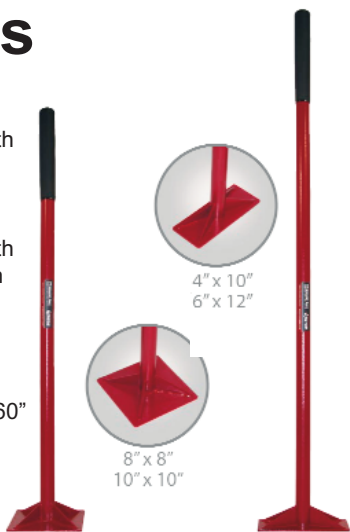
Call for Pricing



# ATHLETIC FIELD SUPPLIES

## Tamps

- No more broken handles with the solid welded steel construction
- Designed for rugged use with maximum strength and even tamping
- The smaller 4"x10" tamp is perfect for tight spaces and trenches and comes with a 60" handle and 12" vinyl grip



Item	#437244 8x8	#437245 10x10	#437243 4x10
Price	\$ 56.62	\$ 61.09	\$ 50.66
Pick Up	\$ 52.06	\$ 56.17	\$ 46.58

## Landscape / Ball Field Great Rake II

- Ideal for spreading dirt, gravel & sand
- Heavy-duty aluminum head with bolted braces
- Comes in 24", 36" & 48"



Item	#437084 24"	#437086 36"	#437088 48"
Price	\$ 41.85	\$ 51.15	\$ 55.13
Pick Up	\$ 38.34	\$ 46.20	\$ 50.69

## Roller Squeegee - 36"

Comes with a 54" bent powder-coated aluminum handle with 5" grip.



Item: #437026  
Price: \$ 101.32  
Pick Up: \$ 93.16

Replacement Roller  
Item: #437029  
Price: \$ 41.72

## Professional-Grade Collapsible Field Rake with Telescopic Handle

- High-Grade aluminum alloy head
- Easily breaks down for convenient storage
- Adjust the length



Item: # 431019  
Price: \$ 67.97

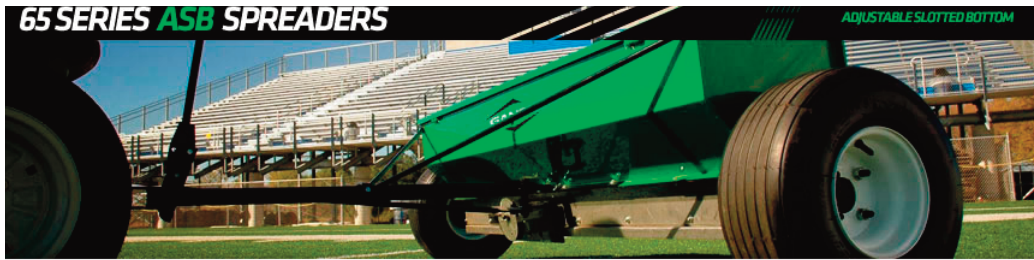
Call for Quantity Discounts

## \* Got Turf Seed?! \*





# ATHLETIC FIELD SUPPLIES



## Tow Behind Drop Spreader # 6504

4-ft spreader with tractor hitch & pneumatic tires on steel rim. Ideal for applying fertilizer, seed, granular chemicals, fumigants, fungicides and more.

- Precision matched bottom & slide with spread plate
- Distributes product evenly over turf
- Secure weather-tight cover, keeps the elements out
- Approximately 260-lb capacity.

Item # 439402

Call for Pricing

## 36" Drop Spreader - Push Style

These 36-inch width models are easy to maneuver around ornamentals and small lawns areas with push handles.

- Holding approx. 120 pounds of material
- Corrosion resistant stainless steel bottom, snap off for quick cleaning
- Completely disassemble without tools, all parts are replaceable

Item # 439055

Call for Pricing

## Gandy Lawn Rollers & Spreaders

Rugged lawn equipment designed to meet the demands of golf courses, landscaping/ground care services. These are a non-stock item so please call for availability and pricing.



### Lawn Rollers

The unique design permits quick-flip handle/hitch conversion: It's versatile so rollers can be hitched to tractors for larger expanses of lawn or flipped to push handle for maneuvering close to foundations, ornamentals & within confined spaces.

### Gang Rollers:

The Gandy Gang Rollers have independent suspension allowing rollers to follow the contour of the ground for use in the following:

### Aeration Attachment:

This option clamps around the roller drum and is secured using threaded hook bolts. Depth of aeration or seed and fertilizer access, is controlled by the water fill weight of the roller.



## Construction, Sod Farms, Sports Turf

When drained, the gang roller can be folded for easy transport or storage

# ATHLETIC FIELD SUPPLIES



## ALL PRO PLUS Athletic Field Marking Chalk

### *The Whitest Compound Available!*

Stands out on crushed limestone. Made from the highest quality calcium carbonate (marble dust). Conforms to all safe-use requirements of the consumer safety act, NCAA & NFSHA official rules and all known Little League rules for athletic marking materials.

### **Packaged in 50 lb bags**

(1) 50 lb bag of chalk will stripe approximately 300' of a 3" wide and 1/16" thick line.

- **Specially formulated blend of crushed white calcium carbonate**
- **Ideal for use as a line marker for any outside sports activities where lines must be visible to players, spectators and officials**
- **Non-irritating to eyes & skin. Will not harm soil or vegetation**

**Item #435160**

Call For Pricing

## Marking Dry Line Making Machines

### **“Sweet Spot” Lever Stop**

The “Sweet Spot” allows the user to save their preferred flow rate based on the characteristics of their material. No more on/off, now you can find your *Sweet Spot*.

**Item #435191 All Star Marker (Pneumatic)**

**Item #435190 Little Tuffy Line Marker**

## Stencils / Marking Guides

**STENCILS NFL Number Set #431039**

Includes 0 thru 5 & directional arrow  
Call for Pricing

## MARKSMART ATHLETIC FIELD LINING SYSTEM

*The smart way to mark your fields. Maintain exact field dimensions, save valuable time and eliminate repeated measuring and staking of your fields with this unique lining system. Simply locate your starting point, insert ground sockets flush to the ground, measure your remaining line intersections and locations and you are ready to line your field! Insert lining pegs into ground sockets, attach string and paint away! Lining pegs are removable for safety.*

**A time saving tool for the grounds crews, great for schools, park districts and clubs.**

**FOOTBALL FIELD SET #431067**

**BASIC FIELD SET #431009**

**SOCCER FIELD SET #431001**

## OTHER MARKING/STENCIL KITS AVAILABLE

**CALL YOUR  
CERTIFIED TURF SPECIALIST  
FOR MORE INFORMATION**

# ATHLETIC FIELD SUPPLIES

## Aerosol Athletic Field Paint

### Athletic Aerosol Paint

Formulated to last long, remain bright and not to harm grass or any sports field covering. Get up to 4,400 feet of 3" wide stripe per case! 12 cans per case

#435280 White

#435285 Hot Orange

Price: \$ 4.15/ea

Also Available in Yellow, Red, Blue, Green, and Florescent Yellow

Call for Pallet Pricing



## Fox Valley Stripers

### Fox Valley Athletic Super Stripers

All you need to make bright crisp lines on football soccer, baseball or other sports fields!



Makes 2" to 5" wide lines. 3 can holder for on board storage. Giant 10" wheels. Adjustable guide arrow.

#435192 \$ 65.00

### Seymour Athletic Striper

## Easy Marker



**ALL APWA COLORS AVAILABLE!!**

Easy Marker Handle  
#435200 \$ 21.00

Easy Marker Pistol  
#435210 \$13.50

### Easy Marker Paint

Simply drop the paint cartridge in the easy marker Handle or Pistol and away you go! No clogging, can empties every time and there is over 1,500 linear feet per can.

- |                            |                    |
|----------------------------|--------------------|
| #435230 White              | #435265 Hot Pink   |
| #435240 Yellow/Utility     | #435260 Blue       |
| #435244 Green Safety       | #435270 Silver     |
| #435245 Nature Green       | #435258 Safety Red |
| #435250 Hot Orange         | #435288 Handicap   |
| #435256 Blazing Red Orange | Blue               |

## Seymour Striper

### Super Stripers

Fox Valley Athletic  
#435192 \$65.00

All you need to make bright crisp lines on football, soccer, baseball or other sports fields. Make 2 - 5" wide lines, holds 3 cans on board, giant wheels, adjustable guide arrow.

Fox Valley Traffic  
#435193 \$65.00

Makes 2 - 5" wide lines. Sports a wind screen weighted body design, holds 3 cans on board, guide arrow, sidestriper and speed indicator.

Seymour Athletic  
#435194 \$95.00

Heavy duty all steel, carries 12 additional cans.

Seymour Traffic  
#435196 \$95.00





# ATHLETIC FIELD SUPPLIES

## STADIUM® Line Marking Paint®

### Our Best Quality Paint!

Specifically formulated for athletic fields, **Stadium®**

- Brings you bright lines at high dilution rates (1:3 to 1:5)
- Is easy to use and pours & mixes easily with water
- Is long lasting, will not harm turf, uniforms or athletes

**Stadium®** Colors can be used from 1:1 dilution with water up to 1:6. For high quality grass stencil work use at between 1:1 and 1:3. For line marking use at 1:4 to 1:6.

**#435140 Bright White 2 x 2.5 gallon**

**#435105 Yellow 2 x 2.5 gallon**

## HomeField Advantage®

Conserv FS' **HomeField Advantage®** Marking Paints are easy to pour and apply and mixes easily with water. It is long lasting, will not harm Turf, Uniforms or Athletes. 5 gal pails come in White & Yellow.

Custom colors available - please call

**#435150 White #435155 Yellow**

**#435154 Blue #435152 Red**

**#435156 Orange**



## Conserv FS Marking Paint®

Our economy athletic field marking paint offers you an easy to pour and apply paint that mixes at a 50/50 rate. It is long lasting, will not harm Turf, Uniforms or Athletes. Comes in 5 gallon pails - White only. **Item #435151**



## I Go Striper!

- High pressure system for consistent application of paint.
- Pre-dirilled spacer holes for easy and simple line width changes
- Extendable front forks for even more flexibility
- Easily removable battery for flexible re-charging options
- Easy accessibility to all parts allows for simple maintenance



**Striper, Item # 535406**

**Hand Spray Lance, Item # 435404**

## Impact XP: For use with the I GO Striper

### It's In the Bag!

- Ready-to-use highly concentrated liquid paint.
- NO water, No mixing, No Pouring
- Over-makes a standard soccer field from .26 gallons per field!
- Marks out both grass and hard surfaces
- Surface dry with in 10 minutes in normal conditions



Over-mark up to 15 soccer fields without re-filling!

**Item # 435401**

## Jiffy Model 5000

- Big in versatility, handles all athletic field and pavement striping jobs equally well.
- Brass spray system eliminates rusting
- 3 1/2 HP Briggs and Stratton engine powers a trouble-free diaphragm compressor, which produces 3.2 CFM @ 40 psi
- Large 7 gal stainless steel tank for less refills and easy cleanup
- Easy-to-clean filter system eliminates time Consuming clogging

**Item #435199**





# ATHLETIC FIELD SUPPLIES

## Kifco Water Reels

### KIFCO: DESIGNED TO MAKE PORTABLE IRRIGATION EASY!

Kifco Water-Reels® are designed to make portable irrigation easy. The machines are simple to operate and provide efficient irrigation over a wide variety of applications. Water-Reels® are compact, highly mobile and offer many benefits. They are ideal for irrigation areas to 35 acres.



When natural rainfall fails to provide adequate water, irrigation will prove to be beneficial

- Athletic fields will have a better looking - improved playing surface
- The enhanced playing conditions will greatly *reduce the risk of player injuries* due to ground contact
- Simple - operates unattended with automatic shut-off, often from municipal water supply
- Compact and highly mobil, *excellent low-cost alternative* to built-in or solid set systems
- Horse arenas will have better dust control and offer a softer, more consistent footing

### The Kifco Water-Reel® Advantage



**CONSERV FS IS AN AUTHORIZED KIFCO DEALER**  
Repair Parts Available

## *Conserv FS*

Carries a wide assortment of irrigation accessories. From adapters to valves we can help you with all your irrigation needs.

# EROSION CONTROL / HYDRO MULCH

## Hydro Mulch Products

### CoverGrow #434231

An advanced technology pellet made from recycled wood and cellulose fibers. Once applied and activated by water, the pellets quickly expand and disperse to provide outstanding seed protection and water-holding performance.

Size: "50# of Coverage in a 40# bag"

### Seed Aide #434424

Expanding mulching granules protect seed from washing away. Out performs paper mulch and straw mulch by providing a combination of cellulose and wood fiber mulch, organic tackifier and bio-stimulant. **Size:** 50# bags. **Rate:** 60-100 lbs/1,000 sq ft

*While Supplies Last*

see Covergrow, #434231

### Terra Blend #434202

Combines 100% Thermally Refined™ wood fiber with the highest quality cellulose in the industry, delivering up to 15% greater yield to contractors vs competitive blend products and covering up to 20% more ground than cellulose without a big jump in price. Now with UltraGro - a proprietary stimulant to ensure healthy growth even in harsh environments.

Size: 50 lb bags

### Terra Blend with TAC #434215

Combines Thermally Refined® wood fiber with a high quality of cellulose pre-blended with Tacking Agent. Enhanced water-holding capacity due to refined wood fibers, allowing for better germination, fewer washouts and reduced call-backs. Flexibility of blend fiber combined with tackifier allows equipment to run efficiently and for more extensive hose work without clogs. Non-toxic and environmentally safe.

Size: 50 lb bags

### Terra-Mulch 100% Paper #434189

Ideal for Hydroseeding and tacking straw or hay mulch. produced from clean recycled newsprint specifically for use in hydraulic seeders. Cellulose loads, mixes and sprays well in all types of hydro-seeding equipment, large and small, old and new, both mechanically agitated and jet agitated.

**Size:** 40/50 lb bales on a pallet

**Typical Application Rate:** 4 to 1 slope 2000 lbs / acre

**Straw Mulch Binding:** 750 lbs / acre

### Terra-Mulch 100% Wood #434185

100% wood fiber holds twelve times its weight in moisture. When mixed with seed and fertilizer, Terra-Wood forms a homogeneous slurry that ensures an evenly distributed stand of grass. Terra-Wood provides maximum soil coverage with its 100% defibrated wood content.

**Size:** 40/50 lb bales on a pallet

**Typical Application Rate:** 2.5 to 1 slope 2000 lbs / acre

### Terra-Mulch All Wood with Tac #434553

100% Wood fiber just like Terra-Wood but with the industry's leading tackifier, Tacking Agent 3, included. Tacking Agent 3 is a three-dimensional blend of polymers and polysaccharides. **Size:** 50 lb bags

- Eliminates the Extra Step of Field Mixing
- Meets/Exceeds All Requirements for Wood Mulch

### Terra-Mulch Jet Spray With Poly-Fibers #434198

Pourable fiber mulch flake designed to improve performance of jet agitated hydroseeding machines, with pre-added Poly-Fibers to increase mechanical bond! Decreases loading time by 95% in jet agitated hydraulic seeders.

*Dyed dark green for easy metering of applied area*

**Size:** 48/40 lb bales on a pallet

**Typical Application Rates:** Modest to 4 to 1 Slope 2000 lbs/acre, 3 to 1 slope 2500 lbs/acre, 3:1 to 2:1 Slope 3000 lbs/acre

*While Supplies Last*

see Covergrow, #434231

# EROSION CONTROL / SEDIMENT CONTROL

## Tacking Agent

**#434290 25lb**  
**#434291 8lb**

University tested and proven to reduce erosion and water runoff immediately after hydroseeding. No cure time needed. Meets or exceeds requirements for non-asphaltic tacking emulsion. Contains dark green dye for easy metering.

**Size:** 25 lb; 8 lb

**Mulch Binding:** 6/1 to 4/1 Slope 20 lbs per acre  
4/1 to 2/1 Slope 30 lbs per acre  
2/1 to 1/1 Slope 40 lbs per acre  
> 1/1 Slope 60 lbs per acre

## Futerra F4 Netless

Revolutionary product that provides superior erosion control and seed germination without the netting that can entangle wildlife or maintenance equipment. Uses a refined thermal extrusion process that eliminates the need for netting. Comes in green and natural.

**Size:** 39" x 90' **Green** **#434752**  
78" x 90' **Natural** **#434750**  
78" x 90' **Green** **#434751**

## Erosion Control Products

### Bio Stakes

**#434579**

Biodegradable 6" stakes. Come in boxes of 500.

### Round Top Bio-Pins

**#434135**

Fastest, most efficient means of securing erosion matting, geotextile fabric, mulch netting and sod ever developed. Center driven mechanism manufactured from a high impact, lightweight, non-corrosive material designed for long term use. 5" bio-degradable round top pin.

### Curlex "Excelsior" Blankets

45 square yards (4' x 101') **#434245**

90 square yards (8' x 101') **#434246**

Curlex blanket combines a dense mat of curled and seasoned aspen wood of excelsior with a tough, photo degradable plastic melt. Recommend 60 staples/ blanket.

### Round Top Driver

**#434147**

Call for Pricing

### Excel R-1 Temporary

#### Erosion Control Blanket

Consists of a 100% Rocky Mountain Excelsior matrix stitched to a single net. The Excel R-1 ECB provides erosion control for a period of up to eighteen months and serves as a mulching layer.

**Size:** 4' x 180' **#434122**

**Size:** 8' x 90' **#434116**

### Round Top Staple Pounder

**#434593**

Call for Pricing

### Round Top Metal Staples

**#434589**

6 x 1,000

Call for Pricing

### Futerra Erosion Control Blankets

**#434106**

#### (Non-Stitch)

Goes down quickly, less man hours/ sq yard. Prevents under blanket wash outs & seed migration. Fully bio/photodegradable, nothing to pick up. Seed germination rate is 15% - 90% higher than other alternative products.

Size	Type	Item
40" x 135'	Green	<b>#434106</b>
82" x 135'	Green	<b>#434107</b>
82" x 135'	Natural	<b>#434109</b>

### U-Shaped Metal Staples

**#434581** Box/500 6"

**#434580** Box /1000 6"

**#434583** Box /1000 4"

**#434575** Box/500 4"





# EROSION CONTROL / SEDIMENT CONTROL



## Straw Mat

### Excel CC-4 Coconut #434145

Excel CC-4 extended term Erosion Control Blanket (ECB) consists of a matrix of 100% coconut fibers stitched between two nets. It is available with ultraviolet stabilized, synthetic (Regular) or biodegradable (All-Natural) netting & provides erosion control for up to 3-yrs, serves as a mulching layer.

**Size:** 8' x 112.5'

### Excel CS-3 #434144

Excel CS-3 extended term Erosion Control Blanket (ECB) incorporates a blended matrix of coconut fibers and straw. The matrix consists of 30% coconut fibers and 70% certified weed free straw & is stitched between 2 nets. It is available with photodegradable, synthetic (Regular) or biodegradable (All-Natural) netting. The Excel CS-3 ECB provides erosion control for a period of up to two years and serves as a mulching layer. **All Natural Netting** **Size:** 8' x 112.5'

### Excel PP8 #434120 Chopped Fiber TRM

The PP5 Turf Reinforcement Mat (TRM) consists of a matrix of ultraviolet stabilized, synthetic fibers stitched between 2 ultraviolet stabilized, heavy-duty synthetic nets. It provides sufficient thickness and durability to yield functional longevity greater than three years. The Excel PP5 is intended to provide immediate erosion control and long term turf reinforcement for the more severe slope and channelized applications. **Size:** 7.5' x 120'

Also available by special order in 10 and 12 oz

### Excel SR-1 Rapid Grow Single Net Staw Blanket

Temporary Erosion Control Blanket (ECB) consists of a 100% certified weed free straw matrix stitched to a single net. Excel SR-1 is available with photodegradable, synthetic netting (Regular); rapid photodegradable, synthetic netting (Rapid-Go) or all natural, biodegradable netting (All-Natural). The Excel SR-1 ECB provides erosion control for a period of up to one year and serves as a mulching layer.

**Size:** 8' x 112.5' #434115

**Special Order:** 8' x 112.5' (All Natural) #434174

8' x 450' #434097      16' x 112.5' #434096

16' x 450' #434098

### Excel SS-2 Double Net Staw Blanket

Temporary Erosion Control Blanket (ECB) consists of a 100% certified weed free straw matrix stitched between two nets. It is available with photodegradable, synthetic netting (Regular); rapid photodegradable, synthetic netting (Rapid-Go) or all natural, biodegradable netting (All-Natural). The Excel SS-2 ECB provides erosion control for a period of up to one year and serves as a mulching layer. (all natural only)

**Size:** 8' x 112.5' #434165

**Special Order:** 16' x 112.5' #434169

8' x 450' #434164

16' x 450' #434098

(All Natural) 8' x 112.5' #434166

### Recyclex TRM #434350 (Turf Reinforcement Mat) **Size:** 8' x 90'

Recyclex - the first permanent turf reinforcement mat (TRM) with fibers made from 100% recycled post-consumer goods - "green or brown bottles".



# EROSION CONTROL / SEDIMENT CONTROL

## Sediment Control



### **Curlex Sediment Logs #434155**

Curlex Sediment Logs provide sediment control and inlet protection. Utilizing a heavy duty netting structure and dense fill of 100% Rocky Mountain machine produced excelsior, Sediment logs are intended to be utilized on slopes to minimize displacement of sediments; in channels as small check dams and to restrict sediment laden flow from inlets.

**Size:** 12' x 10' (Special Order)

### **Coir Coconut Logs**

Biodegradable Filtration System consists of a long lasting, three-dimensional, sediment-filtration structure. 100% biodegradable, 100% coir.

**Size:** 9' x 10' **#434140**

**Size:** 12' x 10' **#434138** (Special Order)

### **Silt Fence**

**#436205** 36" x 100'

**#436203** 36" IDOT, **#436211** 42" IDOT

**#436204** 36" x 100' WDOT

**#436206** 36" x100' w/Wire Mesh

**#436216** 36" x 100" Heavy Duty with Lath

Designed to reduce sediment run-off from or to protect areas. Durable polypropylene with UV stabilizers to resist degradation. Complete with stakes.

### **Silt Fence Fabric**

**#436210**

36" x 300'

### **Wood Stakes**

**#434162** 4' Stakes

**#434163** 5' Stakes

**#434151** 6' Stakes

### **Straw Wattle**

Effective, economical alternative to silt fence & straw bales for sediment control or storm water runoff. Cylinders of recycled, compressed, 100% agricultural straw, straw wattles wrapped in tubular UV stabilized black synthetic netting. Straw wattles can be placed & staked along the contour of newly constructed or disturbed slopes. Use to capture and retain sediment is an EPA-recognized best management practice (BMP).

**#434080** 12" x 10'

**#434587** 20" x 10', special order

### **Triangular Silt Dike**

**#434121**

Innovative patented design provides effective sediment control with fast and easy installation. It is made with lightweight and durable materials and weights just 7-9lbs per seven foot section. The protective aprons on either side of the barrier prevents both erosion and failure of the structure. The aprons are attached to the ground and held in place with U-shaped wire staples, helping the Triangular Silt Dike to conform to rough terrain.

**Size:** 7' length, 10" center height, 20" base height

### **Silt Sediment Bag (Manhole)**

**#436217**

Special order, talk to a Certified Turf Specialist about your application.

# FENCING & FENCING SUPPLIES



## Plastic Square Mesh Barricade Fence



- Hi-visibility, **Orange** safety fence
- Strong, yet light-weight
- Uses include: crowd control, ski trails, recreation areas, and work areas
- Comes in **Orange** and **Green**

**Item No. #436225**  
**Green**

**Price** \$ 68.31  
**Pick Up Price** \$ 62.50

**Item No. #436226**  
**Orange**



## Heavy-Duty Plastic Utility/Snow Fence



- Controls blowing/drifted snow
- Ensures worker safety & crowd control
- Made of high-tensile strength polyethylene with UV inhibitors for long life
- Lightweight, easy to use and storage
- Does not sag and is extremely durable
- Stocked in **Orange** and **Green** (call for black)
- 4' x 100'

**Item No. #436233**  
**Green**

**Price** \$131.10  
**Pick Up Price** \$117.80

**Item No. #436236**  
**Orange**



## Wooden Lath Snow Fence

- Controls blowing/drifted snow
- Does not sag
- Is extremely durable
- 4' x 50' rolls, each

**Item No. #436100**

**Price** \$ 47.52  
**Pick Up Price** \$ 41.58



## Silt Fencing

- Designed to reduce sediment run-off
- Durable polypropylene w/UV stabilizers
- 36" x 100' (33.3 sq yards)
- Post length: 48", includes stakes

**Silt Fence**  
**Item No. #436205**

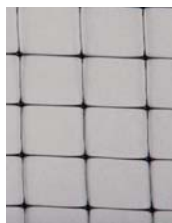
**Price** \$ 28.00  
**Pick Up Price** \$ 26.00

**Silt Fence w/Wire Mesh**  
**Item #436206**

**Price** \$120.12  
**Pick Up Price** \$105.00



## Deer Fencing - Available, HI-UV stabilized



**Item No. #436056**

7' x 330' 1" Mesh

**Item No. #436059**

8' x 330' 2" Mesh

**Deer Fence, 7' x 330', 1" Mesh**  
**Item No. #436056**

**Price** \$286.00  
**Pick Up Price** \$250.00

**Deer Fence, 8' x 330, 2" Mesh**  
**Item #436059**

**Price** \$336.05  
**Pick Up Price** \$293.75

# FENCING & FENCING SUPPLIES

## Fabric Fencing

Comes in **Orange** or **Green**

### Woven fencing:

Is great for use as a safety fencing, scaffolding wrap, or even ballfield fence wrap.

**46" x 150' rolls**

**Call for Pricing**

### Windscreen:

Comes in Dark Green and has a 60% shade value. Can also be used for dust control. Great for golf courses, baseball fields, and batting cages.

**6' x 120' and 9' x 120' rolls**

**Call for Pricing**

### Privacy Screening:

Comes in Dark Green and has a 85% shade value. Great for tennis courts, golf courses, baseball fields, and batting cages.

**3'8", 5'8", & 7' 8"x 150' rolls**

**Call for Pricing**

## Plastic Coated Wire Ties



Bundle of 100

**Item #436239 11"**

**Bundle \$ 7.20**

**Item #436240 8"**

**Bundle \$ 6.30**

## Heavy Duty Fence Ties

**Nylon Fence Ties**  
Bundle of 100

#436241 8"

#436242 12"

**Item #436241**

**Price: \$ 11.44**

**Item #436242**

**Price: \$ 12.96**



## Welded Wire

- Welded from galvanized wire in 2"x 4" specs
- Vertical wires cut flush top and bottom to help prevent snagging
- 12.5 gauge

**#436037 36"x100'**

**#436035 48"x100'**

**#436040 60"x100'**

**#436041 72"x100'**

**Call for Pricing**

## Field Fencing

- Galvanized to resist corrosion
- Has resilient hinge joints

**#437043 32" x 330' 11 ga**

**#436045 39" x 330' 12.5 ga**

**#436049 47" x 330' 11 ga**

**#436047 47" x 330' 12.5 ga**

**Call for Pricing**

## Heavy Duty Post Drivers

- All-steel construction with an effective 21-inch inside length and solid 1-inch thick striking plate
- 3" capacity
- Ample seam welds secure the 1-inch pipe diameter C-handles to the shaft and provide a stronger connection than common butt welds
- The generous handle gripping area is angled away from the user's body to keep hands in a more natural, ergonomically correct position
- A lower handle location on the shaft assists user's reach when positioning driver on tree stakes and limits interference with overhead branches



**Item #436102**  
**3-1/2" capacity**

**1-6 \$ 78.97**  
**7-12 \$ 72.61**

**Item #437246**  
**2-1/2" capacity**

**1-6 \$ 86.42**  
**7-12 \$ 79.46**

## Steel T-Posts Heavy-Duty

- Sterling t-posts are shaped from hot rolled steel
- Anchor plate has increased holding power
- Available in 5' to 7'

**Call for sizes & pricing**



## Economy Post Driver

**Item #436103**

**Price: \$ 35.75**



## Fenceguard

Your best defense against serious injury from chain link fences  
Highly visible safety yellow, maintenance free!

**#436060, Top 8'**

**Call for Pricing**





# FERTILIZERS



## dryROOTS Organic Based Fertilizer (3-3-3)

Item No. 434415

- Helps Prevent Transplant Loss
  - Improves Soil Structure
  - Provides Vital Nutrients
- Used in new turf installations & on established turf to help promote root growth & Development  
Used in new and established ornamental plantings to reduce transplant shock & plant stress

**Gardens & Beds:** 5 lbs/ 100 sq ft    **Sod/Turf Seed:** 10 lbs/ 1,000 sq ft  
**Trees & Shrubs:** 1 lb/ Inch of trunk dia    **Potting/Seeding Mix:** 10 lbs/ cu yd, 2 cups /cu ft

25 Lb Bags:                      Price: \$ 21.24    Pick Up Price: \$ 18.91

## SPORTS TURF ASSURE Fertilizer 5% CA, 4% FE , + Micro

Item No. 434413

Special formula of natural ingredients formulated to make turfgrass strong under severe wear stress conditions  
Helps new sod and new seedings grow in rapidly and withstand the stress of play

**Restoration & Maintenance:** 10 lbs/ 1,000 sq ft    **Sod/ Seeding:** 10 lbs/ 1,000 sq ft  
**Pre-Game Prep:** 5 lbs/ 1,000 sq ft 1 - 3 days before play

50 Lb Bags

Price: \$45.64    Pick Up Price: \$42.49



## ROOTS 1>2>3™ Microbially Enhanced Nutrition

Item No. 434388

- Pre-Mixed AGRlplex
  - Greater Root Mass
  - Deeper Roots
  - Improved Turf Health
- Gives a deep even green color throughout the year & reduces dry spots  
non-phytotoxic

**Greens & Tees:** 12 fl oz/ 1,000 sq ft, 1st Application. 6 fl oz/ 1,000 sq ft every 2-weeks

2.5 Gallon

Price: \$146.30

Pick Up Price: \$136.80

## ROOTS 2 Growth Enhancer Concentrate

Item No. 434393

Organic plant & soil conditioner that stimulates growth & development in transplants, new seedings, sod, established ornamental plants & turfgrass. Maintains deep strong roots to minimize stress damage and ensures fast recovery.

2.5 Gallon

Price: \$154.00

Pick Up Price: \$147.50



## ROOTS MYCOtabs® Item No. 434000 20 - 10 - 5

Provides slow release feeding of vital nutrients to 12 months. Adds mycorrhizae for increased water & nutrient uptake. Below ground installation eliminates wash-out. Follow application directions.

500 x 21 gram tablets

Box, Price: \$ 77.55

Pick Up Price: \$ 74.18



## ROOTS Solupak Rooting Stimulant

Item No. 434108

Promotes rapid growth, minimizes stress during transplanting, ideal for irrigation bags.

**Bedding Plants & Nursery Stock:** (1) pak in 5 gal of water, mix with agitator

100 x 10 oz Pks/ 6.25 lb Pail

Pail, Price: \$118.40

Pick Up Price: \$106.22





## ironROOTS with Mycorrhiza

Item No. 434417

Soluble biostimulant with chelated iron and 17 species of mycorrhiza (both Ecto and Endo)  
**Rate:** (1) packet to (4) gallons of water. **Size:** 4 x 16oz packets in a case

16 oz Packet: Price: \$ 46.80 Pick Up Price: \$ 44.46

## ironROOTS 2 Fully Chelated Iron Fertilizer

Item No. 434397

- Improve Plant Stress Tolerance
- Increases Plant Nutrient Uptake
- Improve Vigor & Color!

Used to supplement a sound fertilization program for turf and ornamentals  
 Can be tank mixed with liquid fertilizers, herbicides, insecticides, and fungicides

**Turfgrass:** 2 oz/ 1,000 sq ft, every 2-weeks, or: 4 oz/ 1,000 every 4-weeks for growing season  
**New Seeding, Overseeding, Sod Installation:** 6 oz/ 1,000 sq ft after seed germination or installation  
**Transplants:** 2 oz/ inch of trunk diameter

2.5 Gallon Price: \$179.20 Pick Up Price: \$167.65



## ROOTS LawnPlex Chelated Iron Fertilizer (4-4-5) 6%Fe Item No. 434020

- Fast Green-Up!
- Will Not Stain Surfaces
- Buffers Tank Mix to Neutral pH

Provides a high concentration of iron in a soluble form readily available for plant uptake  
 Designed for either soil or foliar application

**Turf:** 1 1/2 oz/ 1,000 sq ft ( 2 1/2 gal treats up to 5-acres)  
**Trees & Shrubs:** 1 gal/ 100 gal water. Apply in spring or fall

2.5 Gallons Price: \$ 68.32 Pick Up Price: \$ 65.60

## ASSURE Tree Spikes

Item No. 434014

Biologically Enhanced Fertilizer Spikes simultaneously feeds plant & enhances biological activity  
 Contains BOTH Mycorrhizal & Rhizobial Microorganisms

**Promote Nutrient Retention & Enhance Photosynthetic Capacity!**

**Trees & Shrubs:** Best applied in moist soil, late spring. Holes should be 12 - 16" deep, 1.5 - 2 feet apart around drip line, never within 2' of the trunk.



## ROOTS 1-Step (2-2-2) Item No. 434418

Transplant Contains: 434419  
 Mycorrhiza, ROOTS2 Biostimulant,  
 Organic Fertilizer (2-2-2) & Water  
 Holding Gel **Tree:** 4 oz/ inch diameter  
**Shrub:** 4 oz/ foot of shrub height

27 lb Pail, Price: \$186.32 Pick Up Price: \$174.76

4 oz pk, Price: \$ 3.11 Pick Up Price: \$ 2.96



Item No. 434421  
 24/case

**Bare Root Planting Aid with Mycorrhiza**  
 Increases Transplant Survival  
 Increases Tolerance to Environmental Extremes  
**To Use:** Mix Pk into 4-gal water, let stand, dip plant for 5 sec.

16 oz pk, Price: \$ 42.34 Pick Up Price: \$41.26

# FERTILIZERS

## ROOTS Mycorrhiza (Ecto, Endo)

Item No. 434420

An injectable form of mycorrhizROOTS that will increase water and essential nutrient absorption, create a better root-tip barrier that helps the tree/shrub & resist pathogens, delays secondary cell wall thickening to maintain juvenile status of the roots and increases tolerance to acidity and high soil temperature. Can be used as a soil drench.

**Rate:** (1) Packet to 100 - 200 gallons of water    **Size:** 24/16 oz/ packets



## ROOTS Thatch-Less Management Complex

Item No. 434414

- Reduce Thatch Layer By More Than 50%
- Effective On Cool & Warm Season Grasses

Provides a dynamic blend of natural microbes and powerful enzymes to accelerate thatch decomposition. Noticeable improvements are usually evident in as little as 30 days.

**Size:** 2.5 gal, **Rate:** 3 fl oz/ 1.5 -3 gal water to treat 1,000 sq ft  
Make 3 applications, 10 days apart.

**Further Application:** 14 - 25 day intervals. Product is tank mix ready.



## ROOTS FE 8% Iron Chelate

Item No. 434411

- Quick Visual Response Without Rapid Growth, Long Lasting Green-up
- Increases Antioxidant Leaves, Chlorophyll & Cell Wall Strength
- Will Not Stain Surfaces - Including Concrete

**Greens & Tees:** 1 fl oz/ 1,000 sq ft every 2-weeks or 2 fl oz/ 1,000 sq ft every 4-weeks  
**Fairways:** 1.5 qt/ acre every 2-weeks    **Sod Installation:** 3 fl oz/ 1,000 sq ft at Installation  
**Sports Turf:** 1 fl oz/ 1,000 sq ft every 2-weeks    **Trees & Shrubs:** 1 gal/ 100 gal water

## ROOTS Turf Vigor Microbial Fertilizer (9-3-6)

See Below



- Maximizes Nutrient Uptake and Improves Color & Quality
- Maintains Root Mass Under Stress Conditions and Accelerates Physical Damage Recovery
- Available With a 9-3-6 Guaranteed Macronutrient Analysis

**Greens & Tees:** 9 -18 fl oz/ 1,000 sq ft every 7 -21 days  
**Fairways, Lawns, Athletic Fields:** 7 fl oz/ 1,000 sq ft every 21 days  
**Grow-ins, Renovations, & Overseeding:** 18 fl oz/ 1,000 sq ft 3 days after seeding,  
then 12 fl oz/ 1,000 sq ft every 7 days  
**Sports Turf:** 1 fl oz/ 1,000 sq ft every 2-weeks    **Trees & Shrubs:** 1 gal/ 100 gal water

Item No. 434427: 2.5 Gal

Item No. 434428: 55 Gal Drum

Item No. 434430: 110 Gal Drum

Not sure which is best for your applications?  
Talk to a Conserv FS Certified Turf Specialist.



# FERTILIZERS

## AGRIplex2 (0-3-5 5% Fe)

#434010

A 100% chelated complete micronutrient package providing turfgrass, shrubs, and trees with the nutrients needed to maintain optimum health & appearance. Tank mix compatible with virtually all NPK fertilizers and pesticides, including amine herbicides.

**Greens & Tees:** 1oz/ 1,000 sq ft every 2 weeks at tees 2oz/ 1,000 sq ft every 4 wks **Fairways:** 1.5 qt/ acre every 2 wks or 3 qt/ acre every 4 wks **Overseeding:** 2 oz /1,000 sq ft after germination. **Size:** 2 x 2.5 gal

## MAP 11-52-0 Greens Grade

#550107

Size: 50 lb Bag

## Mor-Green

A water soluble iron chelate compound containing 7% elemental iron. For use on iron deficient soils to prevent and cure chlorosis in turf, trees, and landscape ornamentals.

**Rate: Turfgrass:** 1 lb in 100 gal water/ 1,000 sq ft  
Monthly through out growing season.

**Ornamentals:** foliage spray, 1 lb/ 100 gal water thoroughly wetting foliage of treated plants.

#550142: 5 lb Bag

#550405: 25 lb Bag

## Ammonium Sulfate (AMS 21-0-0 Turf)

51 lb Spray.....Item No. #077032

50 lb Granular.....Item No. #550031

## Phyte-Off 0 - 0 - 26

#434327

Foliar fertilizer that contains phosphorus in phosphite form (PO3) rather than in phosphate (PO4) form. Can be used as a starter fertilizer to improve a plant's ability to withstand and recover from stress. Phyte-Off can be tank mixed with Advan's Echo chlorothalonil fungicide.

See Label For Application

Size: 2 x 2.5 gal

## Blood Meal

50 lb Bag .....Item No. #550338

## Bone Meal

50 lb Bag.....Item No. #550336

## Potassium Nitrate

#550022

13.5-0-46 Each Bag

## Chameleon (3-0-0)

#434022

Chameleon's concentrated formula, consistent particle size (SGN 100), and homogenous granule make it unique to the turf industry.

**Greens-Tees:** 7-8 lb/ 1,000 sq ft **Ornamentals:** 0.10 - 0.25 lb/established plant. **Size:** 40 lb

## SOLUplex Fe

#434024

A water soluble, partially chelated iron fertilizer.

**Rate:** 5 lb/ acre before special events or 10 lb/ acre for severe iron deficiency. **Size:** 15 lb bag

## FeRROMEC AC Liquid Iron #434152

Sprayable product containing iron combined with Nitrogen and sulfur to produce a rapid turf green-up. Can also be used to correct iron chlorosis in some plants.

**Turf:** 2 - 8 fl oz per 1,000/ sq ft **Ornamentals:** 2 teaspoons to 2-1/2 tblsp/ gallon of water **Size:** 2 x 2.5 gal

## Sulfate of Potash (0-0-50)

#550105

Covers 25,000 square feet. SGN 220 **Rate:** 1 lb ai K/m, you will need 2 lbs of product/ m which equals 88 lbs/ acre. 1 bag will cover 25,000 square feet. **Size:** 50 lb bag

# FERTILIZERS

## Sulfate of Potash

### Greens-N-Tees (0-0-52)

Covers 25,000 square feet SGN 100

**Rate:** 1 lb ai K/m, you will need 2 lbs of product/m which equals 88 lbs/ acre 1 bag will cover 25,000 square feet.

**Size:** 50 lb bag

## #550115 NU-ARBOR 5-16-16

### Tree & Root Fertilizer

#550250

A technologically advanced fertilizer which is recommended for either general maintenance applications or for fall applications. It does an excellent job preparing trees and shrubs for mild or severe winter conditions. CONTAINS: Food grade urea, Food grade ortho phosphoric acid, Food grade potassium hydroxide, Seaweed extract and Sugar.

## Sulfur (0-0-0-90S)

#076366

90% elemental sulfur available in either a granular form or a sprayable form to help decrease high soil pH.

**Rate:** 3 to 5 lb/ 1,000 sq ft per application, number of applications to be determined by a soil test.

**Size:** 50 lb bag  
Sprayable 50 lb

**Size:** 2 x 2.5 gallon

## Urea (46-0-0)

#550540

Covers 22,500 square feet

**Rate:** 1 lb ai N/A 95 lbs needed/Acre  
.5 lb ai N/A 47.34 lbs needed/Acre  
.25 lb ai N/A 23.67 lbs needed/Acre  
.10 lb ai N/A 9.47 lbs needed/Acre

**Size:** 50 lb bag



## Tiger Iron

#550505

### Greens-N-Tees (50% S, 22% Fe)

### Granular Micronutrient Fertilizer

A significant benefits of Tiger Iron & Sulphur formulations is the season long release of Sulphur that provides continual supply of (S) Sulphate for turf which increases the efficiency of nitrogen.

## XRT Polymer-Coated Urea (44-0-0)

#550698

Total Nitrogen [N] 44.0% coated controlled release nitrogen derived from Polymer-coated Urea SGN 240.

**Size:** 50 lb bag



# FERTILIZER ACCESSORIES

Don't forget Gloves & Safety Gear!



**Item # 430151**

Price: \$ 10.95/ Pair  
Doz \$ 9.95/ Pair



**Item # 430508**

Price: \$ 7.95/ Pair  
Doz \$ 6.95/ Pair



**Item # 430135**

Price: \$ 4.00/ Pair  
Doz \$ 3.75/ Pair



**Item # 430110**

Price: \$18.00/ Pair  
Doz \$16.00/ Pair



## Safety Vests

Item# 436250: Safety Orange

Price: \$ 10.31

Price/Doz: \$ 9.27

## Earthway 2170

- Large 13" x 4" Pneumatic Stud Tires
- High Vol 70/100 lb Hopper

Broadcast #439316 \$199.80

Tow Behind #439317 \$199.80



*See Pages 107 for Spayers*



## Hudson 13194 Back Pack Sprayer

### 4 Gallon Capacity

Protect against insects, weeds, and plant diseases, perfect for any size job. Braided power style hose, large mouth opening with filler filter, left or right hand pumping action.

Item # 439175

Price: \$69.00

*See Pages 105 & 106 for Spreaders*

# FERTILIZERS

PRODUCT	Size Item#	Sq. Ft./Bag Lbs/Acre	Nitrogen Source	Phosphorous Source	Potassium Source	Slow Release	Minor Elements
0-0-50	50# 550105	25 sq' / 86 lbs/A			SOP		18 S
0-0-60	50# 088526	30 sq' / 71 lbs/A			MOP		
10-10-10	50# 550065	6,000 sq' / 435 lbs/A	10% Ammoniacal	DAP	MOP		
10-18-18 NETH 40 NL	50# 550254	12,500 sq' / 174 lbs/A	.38% Urea 7.11%AMM 1.09% WIN 1.54% SAWSN	DAP	SOP	30% METH 40	6.3% S
11-52-0	50# 550107	6,000 sq' / 435 lbs/A	13% Ammoniacal	MAP			
13-13-13	50# 550058	6,500 sq' / 335 lbs/A	13% Ammoniacal	DAP	MOP		
13-25-12	50# 550066	12,500 sq' / 174 lbs/A	13% Ammoniacal	DAP	MOP		YES
17-17-17 60% MSEA	50# 550172	8,500 sq' / 250 lbs/A	2.25% Urea 6.66 %AMM 2.21% WIN 6.57% SAWSN 3.4% AMS	DAP	MOP	60% MESA	YES
18-46-0 DAP	50# 550545	12,000 sq' / 435 lbs/A	18% Ammoniacal	DAP	MOP		
19-0-2 50% XRT	50# 550013	9,500 sq' / 229 lbs/A	9.5% Urea 9.5% XRT	0	MOP	50% XRT	
19-19-19 All Mineral	50# 550096	9,500 sq' / 229 lbs/A	9.5% Urea 9.5% XRT	DAP	MOP		
20-10-10 Sports Turf	50# 550100	10,500 sq' / 215 lbs/A	5.33% Urea 3.96% AMM 18.64% WIN 2.25% SAWSN	DAP	MOP	30% METH 40	
21-0-018S Amm Sulfate	50# 550031	10,500 sq' / 205 lbs/A	21% Ammoniacal	0			18% S
22-0-2 25%MESA 25% XRT	50# 550116	11,100 sq' / 195 lbs/A	8.74% Urea 5.50% XRT .98% Ammoniacal 2.57%WIN 1.94% SAWSN 1.85% AMS	0	MOP	25% MESA 25% XRT 39% Milorganite	3% FE 4.5% S Plus
25-1-25 25% XRT	50# 550348	12,500 sq' / 174 lbs/A	18.62% Urea 6.38% XRT	0	MOP	25% XRT	
25-0-10 50%Meth 38 NF	50# 550656	12,500 sq' / 174 lbs/A	13.92% Urea 8.91% WIN 2.31% SAWSN	0	SOP	50% METH 38NF	5.2% S
25-0-10 50%Meth 40 NF	50# 550660	12,500 sq' / 174 lbs/A	14.18% Urea 4.57% WIN 6.46% SAWSN	0	SOP	50% METH 40NF	5.2% S
25-0-10 50% XRT	50# 550658	12,500 sq' / 174 lbs/A	25.50% Urea 12.50% XRT	0	SOP	50% XRT	
25-0-15 51%MESA	50# 550246	12,500 sq' / 174 lbs/A	13.86% Urea 2.73% WIN 4.41% SAWSN 4.2% AMS	0	SOP	51% MESA	10.26% S
30-0-0 MESA	50# TBD	15,000 sq' / 150 lbs/A	10% Amminiactal 3% Urea 6.5% WIN 10.5%SAWSN	0	0	YES	12% S 10% AMS
30-0-3 20% XRT	50# 550672	15,000 sq' / 145 lbs/A	23.40% Urea 6.60% XRT		MOP	20% XRT	
30-0-2 50% XRT	50# 550963	15,000 sq' / 145 lbs/A	14.82% Urea 15.18% XRT	0	MOP	50% XRT	
33-0-3 33% XRT 2% FE	50# 550242	16,500 sq' / 130 lbs/A	11.0% Urea 22% XRT	0	MOP	33% XRT	
38-0-0 METH-X	50# 550002	19,000 sq' / 113 lbs/A	11% Urea 27% WIN	0		YES	
40-0-0 METH-X	50# TBD	20,000 sq' / 107 lbs/A	5% Urea 14.5% WIN 20.5%SAWSN	0	0	YES	
45-0-0 UREA	50# TBD	22,500 sq' / 95 lbs/A	Urea				

# FERTILIZERS

## Greens Grade Fertilizers - SGN 100

PRODUCT	Size Item#	Sq. Ft./Bag Lbs./Acre	Nitrogen Source	Phosphorous Source	Potassium Source	Minor Elements
<b>18-3-18 50% Nutralene SOP &amp; Micros</b>	50# #550017	43/A	0.85% Ammoniacal 9.28% Urea 3.26% Water Insoluble	3%	18% Soluable Potash	0.025% Boron 0.05% Cu 0.10% Fe 0.075% Mn 0.25%Zn
<b>15-0-30 50% Nutralene SOP</b>	50# #550076	74/A	8.38% Urea 5.58% Water Insoluble 7.89% Slowly Available (Water Soluble)		22%	7% S
<b>0-0-50-18S</b>	50# #550115 SGN 100	26,000 84/A			52% Soluble Potash	18%S
<b>10-50-0</b>	50# #550263	26,000 84/A	10% Ammoniacal	50%		
<b>11-52-0 MAP</b>	50# #550107		11% Ammoniacal	52%		
<b>1-7-7 Assure 53 Strains</b>	50# #434804	4,000 545/A	4.35% Water Insoluble 2.45% Slowly Available .20% Water Soluble 7.0% Organic	7%	7%	5.0% Ca 2.0% S 0.2% Cu 4.0% Fe 2.5% Mg 0.2% Zinc
<b>5-5-5 Assure w/ Micorrhiza</b>	50# #434801	6,000 363/A	1.7% Ammoniacal N 3.3% Water Insoluble	5%	5%	5.0% Ca 2.5% Mag 0.2% Cu 5.0% Fe 0.2% Mg 0.2% Zinc
<b>15-0-7 Assure Firmus, 53 Strains</b>	50# #434803	7,500 290/A	0.75% Ammoniacal N 7% Water Insoluble 1.75% UREA 2% Water Insoluble Organic N 3.5% Slowly Available (Water Soluble)		7%	1.0% Ca 0.5% Mg 1.0% S 1.0% Cu 1.0% Fe 0.1% Mn 0.1% Zinc
<b>10-18-22 50% Nutralene, SOP, Micros</b>	50# #550620	110/A	3.81 Ammoniacal Nitrate 1.82% Urea 1.81% Water Insoluble 2.56% Slowly Available(Water Soluble)	18%	22% Soluble Potash	0.025% Boron 0.05% Cu 7% S 0.10% Fe 0.075% Mn 0.25%
<b>Greens Grade 6-2-0</b>	50# #550124	3,000 725/A	6% Activated Organic Matter	2%		Min. 4% Fe
<b>15-1-10 50% Milorganite</b>	50# #550099	7,500 290/A	3% Milorganize 12% Meth-Ex 40	1% Milorganite	10% Sulfate	2.5% Fe 3.6% S

# FERTILIZERS

## Organic & Organic Based Fertilizers

PRODUCT	Size Item#	Sq. Ft./Bag Lbs./Acre	Nitrogen Source	Phosphorous Source	Potassium Source	Slow Release	Minor Elements
<b>3-3-3 ROOTS</b>	25# #434415	2,500 871/A	3% UREA	3%	DAP		PLUS
<b>5-5-5 ASSURE W/Micorrhiza</b>	50# #434801	8,000 300/A	1.70% Ammoniacal 3.30% WIN	5%	DAP	4.20%	PLUS PLUS 5% Fe
<b>6-2-0</b>	50# #550125	3,000 725/A	6% Activated Organic	2%		100% Milorganite	4.0% Fe
<b>7-7-7 ASSURE</b>	50# #434805	4,000 543/A	2.45% Ammoniacal 4.35% WIN .20% SAWSN	7%	SOP	4.55%	PLUS 53 STAINS 4% Fe 5% Ca
<b>15-0-7 ASSURE</b>	50# #434802	7,500 290/A	3.75% Urea .75% Ammoniacal 7.0% WIN 3.5% SAWSN	0	SOP	7%	3.5% Fe 4.5% S
<b>15-1-10 50% Milorganite</b>	50# #550099	7,500 290/A	1.5% Urea 1.25% Ammoniacal 6.10% WIN 6.15% SAWSN	Milorganite	SOP	60% SLOW 50% Milorganite	6% S 2% Fe 0.6% CA
<b>22-0-2 25% MESA 25% XRT 40% Milorganite</b>	50# #550116	11,500 195/A	14.61% Urea 1.00% Ammoniacal 2.60% WIN 1.94% SAWSN 1.85% AMS	0	MOP	50% SLOW 25% XRT 25% MESA 40% Milorganite	3.5% Fe 4.5% S 0.48% Ca PLUS B, CU, MO, Z, N
<b>28-0-6 33% XRT 30% Milorganite</b>	50# #550084	14,000 153/A	26.14% Urea 0.78% Ammoniacal 1.09% WIN	Milorganite	MOP	33% SLOW 30% Milorganite	1% Fe 0.38% Ca

## Fertilizers with Pre-Emergent

<b>13-0-5 20% XRT .28 Prodiamine</b>	50# #550150	12,500 175/A	13% UREA	0	MOP	0	
<b>19-0-6 AM 25% SCU .29 Prodiamine</b>	50# #550158	12,500 175/A	14.16% Urea 6.38% SCU	0	MOP	25% SCU	
<b>19-0-0 AM 25% SCU .29 Prodiamine</b>	50# #550081	12,500 175/A	14.16% Urea 6.38% SCU	0	MOP	25% SCU	
<b>19-0-0 AM .29 Prodiamine</b>	50# #550016	12,500 175/A	19% Urea	0	0	0	



# FERTILIZERS

## Fertilizers with Pre-Emergent, Continued

PRODUCT	Size Item#	Sq. Ft./Bag Lbs./Acre	Nitrogen Source	Phosphorous Source	Potassium Source	Slow Release	Minor Elements
<b>25-0-5 25% SCU .29 Prodiamine</b>	50# #550135	12,500 175/A	18.62% Urea 6.38% SCU	0	MOP	25% SCU	
<b>19-0-0 AM 25% SCU .086 Dimension</b>	50# #550101	12,500 175/A	14.16% Urea 6.38% SCU	0	0	25% SCU	
<b>19-0-0 AM .086 Dimension</b>	50# #550309	12,500 174/A	19%Urea	0	0	0	
<b>25-0-5 25% SCU .086 Dimension</b>	50# #550051	12,500 175/A	18.62% Urea 6.38% SCU	0	MOP	25% SCU	

## Weed & Feeds

<b>25-0-2 .72 Trimec 40% SCU</b>	50# #550182	12,500 174/A	14.88% Urea 10.12% SCU SULFUR Coated Urea		2% Muriate	YES	
<b>16-0-6 SURGE 25% SCU</b>	50# #550056	12,500 174/A	12.00% Urea 4% SCU SULFUR Coated Urea		6% Muriate	YES	
<b>12-0-2 Trimec</b>	50# #550074	12,500 174/A	12.00% Urea		2% Muriate		
<b>Triamine Gran</b>	20# #490178	10,000 87/A					

## Weed Preventer

<b>16-16-16 Treflan 40% Meth-Ex 38</b>	50# #550133	12,800 130/A	5.11% Urea 4.59% WIN 6.30% Ammoniacal		16% Muriate 16 DAP	YES	
<b>TREFLAN 5G</b>	40# #490144	20,000 80/A					
<b>SNAPSHOT 2.5 TG</b>	50# #490134	10,800 200/A					
<b>T-1 2.5G Trifluralin &amp; Isoxaben</b>	50# #490129 (Same Ai as in Snapshot 2.5	10,800 200/A					

# FERTILIZERS

## Fertilizers with Insecticides

PRODUCT	Size Item#	Sq. Ft./Bag Lbs./Acre	Nitrogen Source	Phosphorous Source	Potassium Source	Slow Release	Minor Elements
<b>0-0-7 .20 Imidacloprid Grub Control</b>	50# #550093	14,500 150/A			7.0% Muriate		
<b>15-0-5 .20 Imidacloprid 20% SCU</b>	50# #550039	14,500 150/A	20% SCU		5.0% Muriate	YES	
<b>21-0-5 .20 Imidaclorid 50% SCU Grub Control</b>	50# #550303	14,700 150/A	8.50% Urea 2.00% Ammoniacal 10.50% SCU SULFUR coated urea		5.0% Muriate	YES	
<b>20-0-5 .20 Imidaclorid 50% Nutraline</b>	50# #550537	14,700 150/A	11.24% Urea 3.63% WIN 5.13% Sawesn		5.0% Muriate	YES	
<b>0-0-7 .067 Acelepryn</b>	50# #550163	14,700 150/A			7.0% Sulfate	YES	
<b>15-0-5 .067 Acelepryn 50% Uflexx</b>	50# #550164	14,700 150/A	7.50% Urea 7.50% Uflexx		5.0% Muriate	YES	
<b>Imidacloprid 5G</b>	30# #470124	15,000 60/A					
<b>Dylox Grub Control</b>	30# #470035	10,000 130/A					
<b>Aloft Grub &amp; Surface Insect Control</b>	40# #470144	22,000 80/A					

## Sprayable Fertilizers

PRODUCT	Size Item#	Sq. Ft./Bag Lbs./Acre	Nitrogen Source	Phosphorous Source	Potassium Source	Slow Release	Minor Elements
<b>17-0-5 Tank Deposit Required</b>	55 gal drum #550203 250 gal tote #550200 Bulk			Muriate			
<b>21-0-0-24S Amm Sulfate</b>	50# #550030		21% Amm Sulfate				24% S
<b>Magnesium Sul- fate (Epsom Salt)</b>	50# #434105						
<b>Iron Sulfate</b>	50# #434210						
<b>0-0-50 Sulfate of Potash</b>	50# #550117		“Potassium Sulfate”				
<b>47-0-0 SGN 230 Umaxx</b>	50# #550015						

## Plant Marvel 100% Water Soluble

PRODUCT	Size Item#	Nitrogen Source	Phosphorous Source	Minor Elements
<b>Plant Marvel</b>	<b>All bags are 25# unless otherwise stated. 80 bags per pallet.</b>			
<b>10-20-30 Potash</b>	#550127	2.03% Amm N 7.97% Nitrate	30% Soluble Potash	0.71% S 0.02% B 0.05% Cu 0.10% Fe 0.05% Mn 0.05% Zn
<b>12-31-14 Blooming &amp; Flowering Plant Food</b>	#550139	8.28% Amm N 3.72% Nitrate	14% Soluble Potash	0.05% Mg 0.02% B 0.15% Fe 0.06% Zn 3% S 0.05 Cu 0.05 Mn
<b>12-45-10</b>	#550122	9.11% Amm N	10% Soluble Potash	0.05% Mg 0.02% B 0.10% Fe 0.05% Z 0.31% S 0.05% Cu 0.05 Mn
<b>15-0-15</b>	#550147	13% Amm N 2% Urea	15% Soluble Potash	10.50% Ca 0.12% S 0.05% Cu 0.05% Mn 0.3% Mg 0.02% B 0.10% Fe 0.05% Zn
<b>16-45-7 Super Start</b>	#550140	6.65% Amm N 9.35% Urea	7% Soluble Potash	0.02% B 0.10% Fe 0.05% Z 0.05% Cu 0.05% Mn
<b>19-26-14 Rose Food</b>	#550151	5.93% Amm N 4.17% Nitrate 8.90 Urea	14% Soluble Potash	0.05% Mg 0.02% B 0.10% Fe 0.05% Zn 1% S 0.05% Cu 0.05% Mn
<b>25-0-25</b>	#550141	1.01% Amm N 7.58% Nitrate 16.32% Urea	25% Soluble Potash	0.05% Mg 0.02% B 0.10% Fe 0.05% Zn 1.40% S 0.05% Cu 0.05% Mn
<b>28-8-18 Bent</b>	#550138	0.81% Amm N 4.56% Nitrate 22.63 Urea	18% Soluble Potash	0.05% Mg 0.02% B 0.10% Fe 0.05% Zn 0.07% S 0.05% Cu 0.05% Mn
<b>28-18-8 Hi-Acid</b>	#550128	4.33% Amm N 2.41% Nitrate 21.26% Urea	8% Soluble Potash	0.05% Mg 0.02% B 0.10% Fe 0.05% Zn 1% S 0.05% Cu 0.05% Mn
<b>Mor-Green</b>				
<b>5# Bags</b>	#550142			7.00% Fe
<b>25# Bags</b>	#550405			
<b>P-K Plus</b>	#550033		30% Soluble Potash	0.06% Mg 0.08% S 0.10% Fe 0.0005% Mo 0.02% B 0.05% Cu 0.05% Mn 0.05% Zn
<b>0-50-30</b>				
<b>28-8-18 Nutra-lock</b>	#550162	1.0% Amm N 4.8% Nitrate 22.2% Urea	18% Soluble Potash	0.20% Fe 0.01% Mo 0.01% B 0.05% Cu 0.06% Mn 0.02% Zn

**New!**

### Nutra-Loc:

- Puts you in control of your fertility Program.
- Improves nitrogen efficiency by controlling loss to volatilization, denitrification and leaching
- Tank-mix compatible

# FERTILIZERS

## Plant Marvel

### **Turf & Fairways:**

Apply at a rate of 1 to 2 pounds (1/10th to 1/2 pound actual N) in a solution of from 5 to 20 gallons of water, depending on soil moisture. Apply once a week, for maximum growth, or apply once a month; 5 times all together during the growing season.

### **Greens & Tees:**

On a weekly basis, apply 1 pound per 1,000 square feet in a solution of from 5 to 20 gallons of water, depending on soil moisture.

### **Newly Seeded Areas:**

Apply 12-31-14 at the rate of 1 pound per 1,000 square feet. Repeat application as soon as seed has germinated. Feed every 10 days until turf is well established, then switch to a lower phosphate, higher nitrogen formula such as Bent Special 28-8-18.

### **New Sod:**

Soak in at the rate of 1 pound per 1,000 square feet using 12-31-14 or 12-45-10. Give a repeat application in 5 to 7 days. Once the turf is established, switch to a higher nitrogen formulation such as 28-8-18.

### **Flowering Shrubs:**

Apply one or two tablespoons of 12-31-14 per gallon of water and saturate the shrub's roots. Begin application in early spring and repeat as often as every two weeks until blooming season is over. Regular application of 12-31-14 will extend blooming and give deeper color to blossoms. Promotes prolific blooming.

### **Lining Out:**

Use one pound of 28-18-8 per 32 gallons of water. Feed plants one week before transplanting if possible and at time of planting out. Use 1/4 to 1/2 pint of solution for each plant.

### **Nursery Transplants:**

Base feeding: one pound of 28-18-8 per 20 gallons of water. Foliar feeding: one pound per 32 gallons of water. Trees foliar sprayed late in previous season become established sooner in new location. Evergreens sprayed a few days before digging keep better color. All transplants treated absorb water more readily.

### **Road Sides:**

Apply two pounds of 28-18-8 to 100 gallons of water for newly sodded roadside areas. Treated roadside grasses show greater resistance to heavy stress - even at early stages - and less "browning" from noxious car fumes.

### **Backpack Sprayers, Truck Mounted Boom Sprayers, & Other Portable or Walk-Behind Applicators:**

Determine the area to be covered in square feet by each tank full, then use the chart on the following page to obtain the proper ounces of fertilizer required. Multiply ounces required from the chart by the square feet per thousand tank coverage to obtain the amount of fertilizer to be added to tank. Do not exceed one pound of fertilizer in 5 gallons of water.



## Plant Marvel

### Spoon Feeding Rates of Various Formulations To Achieve Desired "N" Per Square Foot

Ounces of Fertilizer Per 1,000 Square Feet to Achieve:

<u>Formula</u>	<u>1/10 lb</u>	<u>1/8 lb</u>	<u>1/4 lb</u>	<u>1/2 lb</u>	<u>1 lb</u>
<b>10-20-30</b>	16.0 oz	20.0 oz	40.0 oz	80.0 oz	160.0 oz
<b>12-31-14</b>	13.3	16.7	33.3	66.7	133.3
<b>12-45-10</b>	13.3	16.7	33.3	66.7	133.3
<b>15-0-15</b>	10.7	13.4	26.7	53.5	107.0
<b>16-45-7</b>			8.0	16.0	32.0
<b>19-26-14</b>	8.5	10.6	21.2	42.4	84.8
<b>20-20-20</b>	8.0	10.0	20.0	40.0	80.0
<b>25-0-25</b>	6.4	8.0	16.0	32.0	64.0
<b>28-8-18</b>	5.7	7.1	14.3	28.5	57.1
<b>28-18-8</b>	5.7	7.1	14.3	28.5	57.1

### To Achieve Desired "P" Per Square Foot

<u>Formula</u>	<u>1/10 lb</u>	<u>1/8 lb</u>	<u>1/4 lb</u>	<u>1/2 lb</u>	<u>1 lb</u>
<b>12-31-14</b>	5.2	4.4	12.9	25.8	51.6
<b>12-45-10</b>	3.6	4.4	8.9	17.8	35.6

**Recommended Fertilizer Application Rate:** 1/8 to 1/4 lb of actual nitrogen per 1,000 square feet of turf per application, with repeat applications every week to two weeks or as turf shows need.

Normal dilution rate for any formula is 1 pound of product to 10 to 20 gallons of water. Any formula may be applied in a concentrated solution of 1 pound of product to 2 or 3 gallons of water, providing it is well soaked into the soil immediately after application or that soil moisture is very high.

# FUELS / LUBES & ACCESSORIES

## FS Deselex® Gold



*It takes a lot of energy to keep your machinery running at peak efficiency, and quality fuel is one of the smartest, cost-effective ways to ensure long-term,*

*low-maintenance, and high-productivity from your equipment. FS Deselex® Gold contains a superior additive package that guarantees value-added performance.*

## E-85

**CONSERV FS**, along with Growmark and ADM, have developed alternative fuels over the past decade which can give America what she needs for an energy alternative: self-sufficiency, quality, and cost-effectiveness. These re-proven products have over 10,000,000 miles on city streets and highways to show for them.

**Talk to your Petroleum Sales Specialist today about how to take advantage of new changes or call: Chuck Anderson at (800)924-9942.**

## Diesel Fuels

- No. 1 Fuel Oil
- No. 2 Fuel Oil
- Kerosene

## Diesel Exhaust Fluid

## Gasoline / AkroGold

- Mid-Grade
- No Lead
- Premium No-Lead



*The EPA has required all gasolines marketed in the United States to contain detergents since 1995.*

*AkroGold™ contains 3-times the minimum required for fuel injected engines and 8-times the required detergent for carbureted engines. Our formula provides additional protection against fuel system deposits. With regular use of AkroGold™ you can clean your vehicles' intake valves and fuel injectors as you drive!*

**Improve Fuel Economy  
Reduce IV Deposits  
Reduce Emissions**



2010 EPA Requirements

We've Got Bulk!

## Propane



Home Heating  
Grain Drying  
Motor Fuel Applications  
Home Appliance Applications

*With Comfort Pro by **Conserv FS** you can expect convenient and dependable delivery, excellent anti-knock qualities and a clean burning energy source.*

***Need a Tank or Refill?  
Call today!  
(815) 334 - 5943***

## Soy Diesel



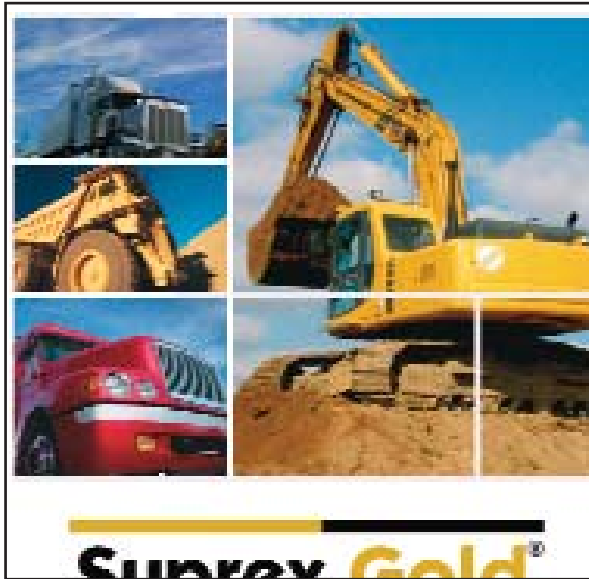
*Made from U.S. Soybean oil. Soy Diesel is a clean burning diesel fuel that reduces exhaust emissions and enhances fuel lubricity.*

*There is no special handling requirements with Soy Diesel*

*no new storage, and no mechanical changes needed for your vehicles. Soy Diesel is a qualified "Clean" fuel.*

# FUELS / LUBES & ACCESSORIES

## Suprex Gold™ Diesel Engine Oil



- **Suprex Gold 15w-40 uses only the more highly refined Group II base oil**
    - Better low temperature properties for easier starts and less wear
    - Better resistance to oxidation and thickening
    - Higher viscosity index than Group I base oils
    - Much lower volatility for less oil consumption
  - **Suprex Gold 15w-40 uses additional additive components**
    - Highest protection against soot loading and valve train damage
    - Exceptional acid and corrosion control
    - Extended oil change protection
  - **Suprex Gold 15w-40 has unsurpassed Viscosity Index Improver**
    - Excellent shear stability which is critical for multigrade lubricants
    - Resists instant viscosity loss due to shearing action
    - Maintains its viscosity over the life of the oil
  - **Suprex Gold 15w-40 Pour Point depressant matched to our base oil**
    - Superior wax modification enhances our base oil
    - Easier starts with less engine wear
    - Faster oil circulation since it pumps like a 10w oil
- No conventional engine oil outperforms the *Super Premium* status of Suprex Gold®**

## Spectra Lube Greases

Our line of SpectraLube greases provide the protection you demand. Under extreme pressures, high temps, and more, Spectra Lube does the job: protecting your investment day in and day out.



### Spectra Lube Green

*Recommended For Use In:* Automotive, industrial, construction, agricultural, railroad and mining operations. Specific applications include all chassis points for automotive, wheel bearings, fifth wheels, king pins, anti-friction bearings, steel mill roller bearings, and farm or earth moving equipment. Also for use in marine applications where water washout and corrosion are of primary concern.

### Spectra Lube Blue

*Recommended For Use In:* Applications requiring extended service intervals, agricultural, automotive and industrial chassis applications, agricultural, automotive and industrial wheel bearing applications, roller bearing applications, sliding applications, disc brake equipped wheel-bearing applications, highly loaded industrial applications.

### Spectra Lube Red

*Recommended For Use In:* Applications requiring extended service intervals, agricultural, automotive and industrial is, agricultural, automotive and industrial wheel bearings, roller bearing applications, sliding applications, disc brake equipped wheel-bearing applications, highly loaded industrial applications

## Transmission Lubricants

- Power Fluid
- HTB/C-4 Fluid
- ATF Fluid
- FS Synthetic 50
- Heavy Duty Driveline Fluid TO-4

## Hydraulic Fluids

- HD Hydraulic Oil 32, 46
- Industrial Oil 32, 46, 68

## Gear Lube GL-5

- GL-5 80W-90, 85W-140
- Synthetic GL-5 75W-90
- GL-1 Mineral Gear Oil



# FUELS / LUBES & ACCESSORIES

## Bulk Oil



- **Dedicated Oil Truck**
- *Loaner Storage & Tank Lease Programs Available*
- *Job-Site Deliveries*
- *Call Chuck Anderson @ 800.924-9942*

## Fuel Tanks

### Above- and Below-ground Tanks

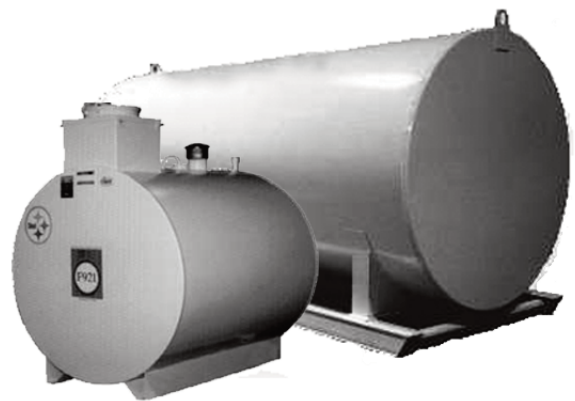
**Conserv FS** sells all sizes of above- and below-ground tanks. Call for pricing and delivery.

- Fireguard UL2085
- Flamshield
- Single Wall UL142
- Dual Wall UL142
- Home Heating Oil Tanks

## Bulk Oil Tank System

### Bulk Oil Tank Systems Base Units

*All tank systems are tailor made for your application.*



## Used Oil Equipment

- *Used Oil Pumps*
  - 1/2"
  - 3/4"
  - 1"
  - 1-1/2"
- *Used Oil Drains*



## Fueling Systems

### Tank & Pump Packages

*Let us tailor a fueling system to meet your specific needs. You can be assured that all governmental regulations will be met.*





# FUELS / LUBES & ACCESSORIES

## Space a Problem?



### Petroleum Equipment

**Conserv FS** sells all types of pumps and nozzles for your fueling needs.

- Gasboy Pumps Keytrol & Cardtrol
- Gasoline Nozzles
- Diesel Nozzles
- Bio-tek Fuel Filters



### Tank on Wheels



Let **Conserv FS** help tailor make a bulk oil system for you!

# FUNGICIDES

**Aliette** (aluminum tris)  
(Also See: Fosetyl #480425)

**#480327**

Systemic fungicide prevents pythium blight on turf Controls diseases caused by pythium & phytophthora. **Rate, Turf:** 4-8 oz in 1-5 gal water/ 1,000 sq ft at 14 to 21 day intervals. **Ornamentals-foliar application:** 2.5-5 lb/ 100 gallon. water thoroughly wetting foliage. Apply at monthly intervals. **Size:** 4 x 5.5 lbs

**Banner Maxx**  
See: Propensity #480437

**#480329**

**Banol** (propamocarb)  
See: ProPlant #480331

**#480336**

**Bayleton G 1%**  
See: T-Methyl Granular #480332  
Or use as alternative: Pillar, #480395

**Captan 50 WP (captan)**  
50% wettable powder

**#480360**

Use to control a broad spectrum of fungus diseases on vegetables, small fruits, fruit trees, flowers, & ornamentals. **Rate:** 1-4 lb/ 100 gal of water and apply at sign of disease. **Size:** 10 x 5 lb

**Chipco GT 26019** (iprodione)  
Also See: Iprodione #480419

**#480364**  
**#480366**

Effective in controlling dollar spot, brown patch, & fusarium blight on all common turfgrasses. **Rate:** Chipco GT 26019 FLO on turfgrass, 2-8 fl oz in 2-10 gal water/ 1,000 sq ft Repeat 14 to 21 day intervals as long as required. **Size:** 26019 FLO: 2 x 2.5 gal

**Cleary's 3336**  
(thiophanate-methyl)

**#480370 G**  
**#480372 GC**

See: TEE-Off #480454, or T-Methyl G-PRO #480337

**ConSyst** (chlorothalonil & dimethyl)  
See: Tee-1-Up #480355

**#480358**

**Curalan EG** (vinclozolin)

**#480389**

Fungistatic fungicide protects plant tissues from infection Apply preventively See label for additional information

**Rate:** 1 oz in 1-4 gallons water per 1,000 sq ft  
**Size:** 12 x 2.75 lb (33 lb)

**Daconil ULTREX**  
See Echo Ultimate ETQ #480446

**#480379**

**Daconil Weather Stik**  
See Echo 720, #480398

**Defiant 75 WDG** (thiram)  
Same as Spotrete # 480440  
A dual-purpose product!

**#480442**

- Protects turf from disease  
- Protects turf & ornamentals from animal damage. Effective against brown patch, dollar spot, pink snow mold, deer, rabbit, rodent & geese damage. **Rate:** 2.5-3oz/ 1,000 sq ft in 5-10 gal water. **Size:** 4 x 10 lb

**Disarm 480 SC**

**#480210**

Control foliar, stem & root diseases in turf and ornamentals for commercial production in landscape areas around residential, municipal & commercial properties, field grown ornamentals in greenhouses, interiorscapes and other enclosed structures. **Rate:** 8-16 oz/ acre (equates to 0.18-0.36 oz/ 1,000 sq ft)

**Dithane 75DF T&O** (mancozeb)  
Also See: Penncozeb 75 DF #480421

**#480384**

**Broad spectrum: use in controlling diseases on turf-grasses, fruit trees, ornamentals & greenhouse crops.**

On turf, it will control copper spot, fusarium blight, powdery mildew, red thread, slime molds, rusts, helminthosporium leafspot and melting out, dollar spot rhizoctonia brown patch and pythium blight. **Rate:** Turf: 4-8 oz/ 1,000 sq ft **Ornamentals:** 1.5lb/ acre in 100 gal water @ 7-10 day intervals for 3 applications. **Size:** 4 x 12 lb

**Eagle 20EW** (myclobutanol)

**#480406 gal**  
**#480407 pint**

A systemic turf fungicide used to control leafspot, dollar spot, powdery mildew, rusts, red thread, brown patch, summer patch and necrotic ring spot. **Rate:** Turf: Anthracnose: 1.2oz/ 1,000 sq ft **Dollar Spot:** 1-2.4oz/ 1,000 sq ft **Ornamentals & Fruit Trees:** 4-6oz/ 100 gal water **Do not apply 14 days before Harvest.** **Size:** 4 x 1 gal; 8 x 1 pint

**Eagle 0.39g**

**#480096**

A granular product containing a systemic protectant and curative fungicide for the control of turfgrass diseases in established lawns and in ornamental turf including golf courses fairways, roughs, tees and greens and in sod farms. **Rate:** Preventive 4-8 lbs/ 1,000 sq ft **Size:** 30 lb bag

# FUNGICIDES

**ECHO 6F ETQ #480445**  
Contact fungicide - Contains flowable chlorothalonil and green pigment for broad spectrum control of diseases on turfgrasses. **Rate:** 2 - 5 oz/ 1,000 sq ft **Size:** 2.5 gal

**ECHO 720 #480398**  
Contact fungicide - Contains flowable chlorothalonil for broad spectrum control of diseases on turfgrasses, **not for use on home lawns.** **Rate:** Turf: 2.1-6.3 oz/ 1,000 sq ft **Ornamentals & Conifers:** 1.4 pints/100 gal water **Size:** 2 x 2.5 gal

**ECHO Ultimate 82.5WDG #480394**  
Contact fungicide - Contains flowable chlorothalonil for broad spectrum control of diseases on turfgrasses, **not for use on home lawns.** **Rate:** Turf: 1.82-3.25 oz/ 1,000 sq ft (4.1-13.7 lb/ acre) **Conifers:** 1.36-5 lb/ acre in 100 gal water **Ornamentals:** 1.25 lb/ 100 gal water **Size:** 4 x 5 lb

**ECHO Ultimate ETQ #480446**  
Contact fungicide - Contains flowable chlorothalonil and green pigment, broad spectrum control of diseases on turfgrasses, **not for use on home lawns.** **Rate:** 1.82 - 5 oz/ 1,000 sq ft **Size:** 2 x 10 lb

**EcoGuard (microbial) #434025**  
Bio-fungicide that controls a broad spectrum of turf diseases. **Rate:** Dollar Spot: 20 oz/ 1,000 sq ft **Size:** 2 x 2.5 gal

**Emerald (boscalid) #480405**  
Systemic fungicide recommended for the control of dollar spot on golf course turfgrass. **Rate:** 5.7 - 8.0 oz per acre (0.13-0.18 oz per 1,000 sq ft) **Size:** 10 x .49 lb

**Endorse (polyoxin D) #480401**  
Systemic, foliar-applied fungicide for controlling a broad spectrum of turfgrass diseases. **Rate:** 11 lb/ ac 44 gal water **See Label for Additional Information** **Size:** 3 x 11 lb

**Fore WSP Rainshield #480096**  
**See: Dithane 75 #480384**

**Fosetyl AL 80 WP (aluminum tris) #480425**  
**Fosetyl aluminum**  
**Same Active Ingredient as "Signature"**

- Systemic, used to prevent pythium blight
- Controls diseases caused by pythium & phytophthora

Use on bedding plants, ornamentals, nurseries, & greenhouses. **Rates, Turf:** 4-8 oz/ 1-5 gal water/ 1,000 sq ft at 14 to 21 day intervals. **ornamentals-foliar:** 2.5-5 lb/ 100 gal water thoroughly wetting foliage. Apply at monthly intervals. **Size:** 4 x 5.5 lb

**Heritage WDG (azoxystrobin) #480416**  
**Better Alternative: Insignia SC**

Broad spectrum, preventative fungicide recommended for control of plant diseases on turf, ornamentals, other home & garden landscapes. **Rate:** 1 lb/ acre (.2-.4oz./ 1,000 sq ft) **Size:** 6 x 1 lb

**Honor Intrinsic Fungicide 6X #480426**  
**Unsurpassed Control of Top Diseases!**  
(Combination: Insignia & Emerld)

New premix provides two modes of action for fighting the Superintendents battle. Intrinsic is a brand of products from BASF that also **provide plant health benefits.** **Rate:** varies by application, see label. **Size:** 6 x 3lb

**Insignia SC Intrinsic (pyraclostrobin)**  
**FOR GOLF COURSE TURFGRASS ONLY** #480477 4 x 30.5 oz  
#480478 4 x 122 oz  
#480479 2 x 2.5 gal

Broad-spectrum, recommended for control of anthracnose, bentgrass dead spot, brown patch, dollar spot (suppression only), fairy ring, fusarium, patch, gray leaf spot, gray snow mold, leaf spot, melting out, pink patch, pink snow mold, powdery mildew, pythium blight, rapid blight, red thread, rust, summer patch and take-all patch. **Rate:** 30.5 oz/ acre **Size:** 3 x 7.2 lb; 3 x 2.4 lb

**Iprodione #480419**  
- Effective in controlling dollar spot, brown patch, & fusarium blight on all common turfgrasses.

- Helminthosporium leafspot, red thread, and melting out are controlled on bluegrass, bentgrass, and bermudagrass.

Prevention and broad spectrum control of turfgrass diseases. **Rates, Turf:** 2-8 fl oz in 2-10 gal water/ 1,000 sq ft, repeat 14 - 21 day intervals. **Size:** 2 x 2.5 gal

# FUNGICIDES

## Mefenoxam 2AQ

#480420

Controls certain diseases in conifers, nonbearing citrus, non-bearing deciduous fruits & nuts, and ornamentals. Also for turf for dampening off and pythium control. **Rate:** 1 pint solution per sq ft, or .2 -1.5 oz/ 100 gal water.

Size: 2 x 2.5 gal

## Par Flo (PCNB)

#480433

See: Turfcide #480433

## Penncozeb 75 DF (Manzata)

#480421

See: Dithane 75 #480384

## Pillar G

#480395

Combo product of Pyraclostrobin which is Insignia and Triti-conazole which is Trinity. Does a great job on summer patch and dollar spot on bluegrass lawns. Also great product for snowmold control. **Rate:** 3 lbs/ 1,000 sq ft

Size: 30 lb bag

## Propiconazole/Propensity

#480437

Post-patent Banner, same as Propensity

Broad spectrum, systemic disease control of dollar spot, brown patch, red thread, necrotic ring spot, pink patch, rust, powdery mildew, spring dead spot, gray leafspot, pink snowmold, gray snowmold, yellow patch & zoysia patch. controls numerous diseases on ornamentals, landscape and nursery plantings. Do not apply through irrigation system. Do not use as a tree injection. **Rate: Turf:** .5 -2 oz for dollar spot and red thread, 2 -4 oz for summer patch. **Ornamentals:** 6 -8 oz / 100 gal water. DO NOT use as a tree injection, or on violets, begonias, or geraniums.

Size: 2 x 2.5 gal

## Proplant

#480331

Post-patent Banol (propamocarb hydrochloride)

Highly effective control of pythium cottony blight, grease spot on turfgrass. During all stages of ornamental propagation, an excellent preventive against root rot & damping-off caused by pythium and phytophthora. **Preventative:** 1.3- 2 oz/ 1,000 sq ft in 2-5 gal water **Curative:** 3-4 oz/ 1,000 sq ft in 2-5 g water **Ornamentals:** 2-3 oz/ 10 g water.

Size 2 x 1 gal

## Prostar 70 WP (flutolanil)

#480434

Locally systemic fungicide that controls both fairy ring and brown patch - and 6 more common turf diseases. **Rate:** 1.5 - 2.5 oz/ 1,000 sq ft

Size: 10 x 1 lb

## Prostar 70 WP #3

#480435

Size: 4 x 3

## Rubigan AS (fenarimol)

#480438

A locally systemic fungicide used as a foliar spray to control specified diseases on turfgrasses and ornamentals.

**Rate:** 6 - 12 oz/ acre

Size: 2 x 1 gal

## Subdue 2G

#480450

(propionic acid methyl ester)

A convenient, easy to apply granular fungicide providing the same systemic control of ornamental and turf diseases that SUBDUE MAXX does. **Rate:** Turf: 12.5-25 oz/ 1,000 sq ft

Size: 25 lb

## Subdue Maxx (mefenoxam2 AQ)

#480451

See: Mefenoxam, Item #480420

## Spectro 90 WDG

#480441

(chlorothalonil & thiophanate methyl)

This unique WDG formulation of 3336 and chlorothalonil has both contact and systemic properties for optimal control of turf and ornamental diseases **Rates Turf:** 2-5.76 oz/ 1,000 sq ft **Ornamentals:** 1-2 lb/ 100 gal water

Size: 4 X 5 lb

## Spotrete (thiram)

#480440

Cleary's thiram turf fungicide available as a flowable or as water dispensable granules. For the control of dollar spots, snow mold on turf grass and for animal repellency on trees and shrubs. **Rate:** Dollar spots and brown patch: 3.75 oz in 2 - 5 gal water/ 1,000 sq ft **Snow Mold:** apply 7.5 oz in 2-5 gal water/ 1,000 sq ft in the autumn prior to the first snowfall. Repeat application in early spring.

Size: 2 x 2.5 gal

## Sync

#434040

A unique, proprietary adjuvant technology proven to enhance the performance of both contact and systemic fungicides, and to lengthen disease control at reduced water volume on a wide variety of turf diseases. **Rate:** 1 pint (16 fl oz) per 100 gal water

Size: 16 oz x 12

## T-Methyl G-Pro 50WSP

#480337

(thiophanate-methyl)

For control of a broad spectrum of diseases of bedding, flowering and tropical foliage plants, shrubs, trees and flowers in the landscape, interiorscape, nursery and greenhouse, containerized woody shrubs and trees, and turfgrass.

**Rate:** 4-16 oz/ 1,000 sq ft

Size: 6 x (4 x 8 oz)



# FUNGICIDES



## T-Methyl Granular #480332

Systemic fungicide that provides broad spectrum disease control on turf, flowers, foliage plants, shrubs, & shade trees.

**Rate:** 3-5 lbs / 1,000 sq ft, Covers 6-10,000 sq ft/ bag

**Size:** 30 lb Bag

## Tee-1-Up #480355

(chlorothalonil & thiophanate-methyl) (Same as Consyst or Spectro 90)

Formulation of chlorothalonil and thiophanate-methyl to provide broad-spectrum contact and systemic disease control on golf courses and ornamental turfgrass, as well as on ornamental plants, shrubs and trees. **Rate:** 8-10 lbs/ acre

**Size:** 4 x 5 lb

## Tee-Off 4.5F #480454

(thiophanate-methyl)

Systemic fungicide, registered for use on both turf and ornamentals. Provides both preventive and curative control of anthracnose, summer patch, gray leaf spot, brown patch, dollar spot, leaf spot and several other key diseases. Can be professionally applied to both cool and warm-season turfgrasses on golf courses, commercial and residential properties. **Rate:** Turf: 1-2 oz/ 1,000 sq ft, **Ornamentals:** 10-20 oz/ 100 gal water.

**Size:** 2 x 2.5 gal

## Teremec SP (chloroneb)

See Proplant # 480331

## Trinity Fungicide #480362

(ai: Triticonazole) *Superior Performance on Anthracnose!*

- Unbeatable diseases control in summer stress period
- Ideal tank-mix partner for Insignia to control turf troubles

**Research conducted by Dr. Joe Vargas, Professor of Plant Pathology, Michigan State University, showed Trinity to be one of the best SI (DMI) Fungicides for the control of summer patch & Anthracnose.** **Rate:** varies by use, see label.

**Size:** 2 x 2.5 gal

## Turfcide 10% G (PCNB) #480433

A granular fungicide used to prevent and control certain soil borne diseases of turf and certain ornamental crops. **Rates,** Turf: Gray and Pink Snow Mold: 5 - 10 lb/ 1,000 sq ft prior to first snowfall or when weather conditions favor development of disease.

**Size:** 50 lb bag

## Echo ETQ #480445

Broad-spectrum contact fungicide with a multi-site mode of action that interrupts the metabolic activity of fungal pathogens and prevents resistance. **Size:** 2 x 2.5 gal

- Natural adhesion to leaf blade, eliminates need for surfactants
- Proven, Economical fungicide provides excellent results and value

## E-Scape ETQ #480214

Unique combination of active ingredients delivers both contact and systemic modes of action. **Size:** 2 x 2.5 gal

- Promotes optimum aesthetic response from plant
- Provides complete plant protection, helping you to sleep easy

## Eclipse ETQ #480215

Broad-spectrum contact fungicide with protective and curative action. A dicarboximide fungicide that inhibits spore germination of fungal mycelium. **Size:** 2 x 2.5 gal

- Excellent tank mix & rotation partner for your complete fungicide program

## Clearscape ETQ #480216

Provides preventative and curative action with rapid plant uptake, low use application flexibility and delayed resistance development. DMI Fungicide controls disease by inhibiting processes related to fungal biosynthesis. **Size:** 2 x 1 gal

- Distrupts target pathogen growth
- Excellent tank mix and rotation partner

# GLOVES



**Jersey Plastic Dot**  
#430140

\$ 0.95 /Pair  
\$ 0.85 pair/Dz



**Blue Rubber Palm/  
Cotton String**  
#430125

\$ 3.25 /Pair  
\$ 3.00 pair/Dz



**Fleece Jersey**

#430185 Un-Lined  
\$1.25 /Pair, \$0.99 pair/Dz

#430186 Lined  
\$1.95 /Pair, \$ 1.75 pair/Dz



**Orange Rubber Palm  
Gloves - Hi Viz Yellow Back**  
#430135

\$ 4.00 / Pair  
\$ 3.75 pair/Dz



**FS Chore Gloves**  
#430510

\$ 2.95 /Pair  
\$ 2.50 pair/Dz



**Gray Rubber  
Palm Thermal Lined**  
#430130

\$ 4.95 /Pair  
\$ 4.50 pair/Dz



**Denim Back/  
Leather Palm**  
#430506

\$ 2.50 /Pair  
\$ 2.00 pair/Dz



**Pigskin/Driving Gloves**  
#430508 -Unlined  
\$ 7.95 /Pair \$ 6.95 / pair/Dz

#430507 - Lined  
\$ 9.95 /Pair \$ 9.00 / pair/Dz



**Double Leather  
Men's**  
#430180

\$ 3.95 /Pair  
\$ 3.50 Pair/Dz



**Thermal Glove Liner**  
#430120

\$ 3.50 /Pair  
\$ 3.00 pair/Dz

**Nitrile Gloves**  
#430514

\$ 15.50 /Box 100



**PVC Gloves**  
#560210 - 12"  
\$ 3.03 /Pair

#560202- Elbow Length  
\$ 3.00 /Pair, \$ 2.55 pair/Dz



**Green Chemical  
Gloves 13"**  
#560205

\$ 2.30 /Pair  
\$ 2.15 pair/Dz

# GLOVES



**Red Rubber Knitwrist**  
#430105

\$ 11.95 /Pair  
\$ 10.95pair/Dz

**Snow Man™ Insulated Nitrile-Coated Gloves**

#430220

\$ 10.95 /Pair  
\$ 9.95 pair/Dz



**Atlas 490 Blue Rubber Gloves**  
#430110

\$ 18.00 / Pair  
\$ 16.00 pair/Dz

**Ninja Ice Gloves**

Hi Viz Yellow  
#430200

\$ 9.50 / Pair  
\$ 8.50 pair/Dz



**Reflective Glove Thinsulate Lined**  
#430151

\$ 10.95 /Pair  
\$ 9.95 pair/Dz

**North Polar Waterproof**

#430509

\$ 17.95 /Pair  
\$ 16.50 pair/Dz



**Lined Kinco Leather**  
#430150

\$ 13.95 /Pair  
\$ 13.50 pair/Dz

**Ninja Ice Gloves Black**  
#430201

\$ 9.95 / Pair  
\$ 8.95 pair/Dz



**Pile Lined Leather**  
#430225

\$ 7.50 /Pair  
\$ 6.95 pair/Dz

**Valeo V5 Cold Weather Gloves - Waterproof**  
#430115

\$ 19.50 / Pair  
\$ 17.50 pair/Dz



**Cowhide/Thinsulate Winter Gloves**  
#430512

\$ 13.95 /Pair  
\$ 12.95 pair/Dz



Find Ice Melters & Rock Salt  
on Pages: 87 - 92!

Snow Shovels  
on Page: 130!



# GROWTH REGULATORS (PGRs)

## Atrimmec

#490016

Enhances appearance of ornamentals by promoting branching, creating a fuller, more compact shape while **reducing trimming and pruning labor by 50% or more**; also labeled for chemical 'pinching' of flowering plants. **Rate:** See label for rates **Size:** 12 x 1 Quart

## Cutless 50W

#490035

Turf growth regulator  
**Rate:** .50 - .75 lb/ acre **Size:** 60 (8 oz) SuperPak

## Embark 2S

#490068

Slow or stop growth depending on rate of application; labeled for growth regulation of over 25 groundcovers, ornamentals & shrubs. Mix with Trimec to control weeds in turf.

**Rate:** 24-35 fl oz/ acre **Size:** 4 x 1 gal



## Embark T&O

#490072

Reduces rate of growth and clippings on turf grasses. Treated areas may be reseeded in 3 days

**Labeled for use with Marking Paints.**

**Rate:** .7 to 1.1 oz/ 1,000 sq ft, 10 days before treatment spray Ferromec AC at a rate of 3 oz/ 1,000 sq ft **Size:** 4 x 1 gal

## Ethephon 2 SL

#490350

Systemic, foliarly absorbed Type 2 PGR that promotes lateral growth in turf while limiting top growth and suppressing seedheads of poa and white clover. Retards growth of turf grasses. **Rate:** 5 fl oz/ 1,000 sq ft **Size:** 2 x 2.5 gal

## Groom

(ai: Trinexapac Ethyl)

#490057

Manages growth, allowing you to reduce the frequency of mowing and the amount of grass clippings you generate.

**Rates, Residential & Commercial Turf:** .60 - 1.0 fl oz/ 1,000 sq ft **Golf Course Fairways:** .125 - .5 fl oz/ 1,000 sq ft **Golf Course Greens:** .062-.125 fl oz/ 1,000 sq ft **Edging/Banding:** .2-2 fl oz/ 1,000 sq ft **Size:** 2 x 1 gal

## Primo Maxx

See T-Next/Trinexapac-Ethyl #480249, or Groom #490057

## Profile 2SC

See Tide Paclo 2 SC, #490076

(paclobutrazol)

## Tide Paclo 2SC

#490076

A systemic plant growth regulator that slows vegetative growth by inhibiting gibberellin biosynthesis in turfgrass and trees. Used by professional arborists and utility foresters for management of shoot growth and reduction of biomass when trees are pruned.

**Rate:** .5 -1 oz/ 1,000 sq ft

**Size:** 4 x 1

## Trim Cut

#490036

Ornamental growth regulator. Will slow growth for up to 8 weeks. **Rate:** 6.5 oz per gal of water **Size:** 12 x 1 qt

## Trimmit

See Tide Paclo 2 SC, #490076

## Trinexapac-Ethyl 1 AQ

#480249

Microemulsion concentrate used to manage growth and improve quality and stress tolerance of warm and cool-season turfgrasses. Improves rich color, lateral stems and root mass development. Inhibits vertical shoot growth and helps produce healthy, durable blades in turfgrass.

**Rates, Residential & Commercial Turf:** .60 - 1.0 fl oz/ 1,000 sq ft **Golf Course Fairways:** .125 - .5 fl oz/ 1,000 sq ft **Golf Course Greens:** .062-.125 fl oz/ 1,000 sq ft **Edging/Banding:** .2-2 fl oz/ 1,000 sq ft

**Size:** 2 x 2.5 gal

## T-NEX 1AQ

See Trinexapac-Ethyl 1 AQ

#480249

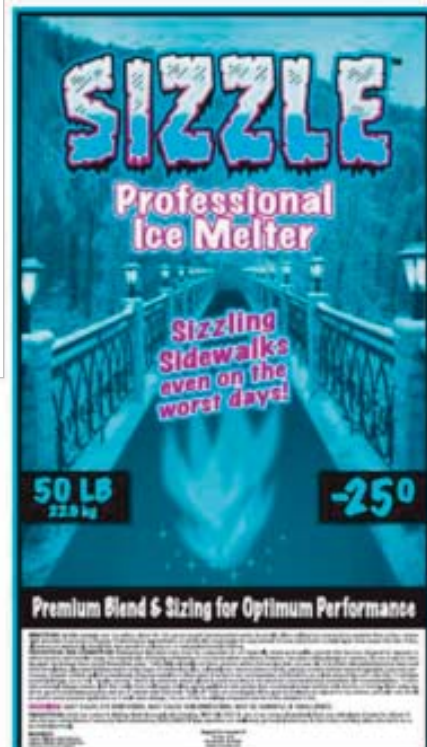




Use **Sizzle** to Prevent this from happening!

- \* Effective as Low as -25 °
- \* Optimum Blend of calcium chloride and premium sodium chloride
- \* Melts ice faster and longer than rock salt alone
- \* Sizzle's Visible Ice Melt Blend is **lavender** in color providing visibility, lowers the risk of over application

Exclusively Provided by:



# HERBICIDES

## Amine 2,4-D

#077660

Also ask about Radar Amine #216334

Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid

Selective post-emergent herbicide for control of many broadleaf weeds in established turf. Apply when weeds are actively growing. Do not apply to newly seeded lawns until grasses become well-established. Seeding can be done 3 to 4 weeks after application. **Rate:** 2-4 pints/ acre.

**HandHeld Sprayers:** 1-1/2 -2 tsp/ gal of water

**Size:** 4 x 1 gal

## Ax-It Basal Oil

See Elite Basal Oil, #490086

## Barricade 65 WDG

See Cavalcade, #490354

## Barrier (dichlobenil)

#490064



A selective herbicide for control of annual and perennial grasses and weeds in non-crop areas: landscape ornamentals not grown for commercial sale, parks, along roads & highways, around buildings, hedges, trees, sports grounds, and along fences. **Rate:** 100-200 lb/ acre; 2.3- 4.6 lb/ 1,000 sq ft

**Size:** 50 lb bag

## Bensumec 4 LF (bensulide)

#490032



Selective herbicide for preemergent control of crabgrass and annual bluegrass in turf, ornamentals, & groundcovers. **Crabgrass:** 1- 7/8 -2.5 gal in 80-100 gal water/ acre; 5.6- 7.3 fl oz/ 1,000 sq ft

**Size:** 4x1 gal; 2x2.5 gal

## Cavalcade 65WDG #490354/#490356

(prodiamine)

Preemergence, provides residual control of grass and broadleaf weeds in established turfgrasses (excluding golf course putting greens), lawns, sod nurseries, in container, field grown and landscape ornamentals; hardwood seedling nurseries, established perennial and wildflower plantings; plants grown for cut foliage production; Christmas tree farms. **Rate:** .4 oz/ 1,000 sq ft, 16 oz/acre **Bluegrass:** 8- 24 oz/ acre

**Size:** 5 x 10lb cs, 6 x 5lb cs

Presented at Conserv FS's "Talk on Golf Turf"



## Certainty

(sulfosulfuron)

#490353

Used for tall fescue control, in golf course lawns, sod farms, cemeteries, and other highly managed commercial and residential turf. Not labeled for golf course putting greens or within 4' of the putting green.

**Rate:** Please see label

**Size:** 1.25 oz bottle

## Confront (triclopyr & clopyralid)

#490040

Also see, Quali-Pro 2-D

A non-phenoxy specialty herbicide ideal for:

- high-use areas including golf courses & parks
- commercial grounds and other public facilities

A broad spectrum herbicide, this low odor post-emergence provides superior control of up to 35 "difficult-to-manage" species of broadleaf weeds. **Rate:** 1-2 pints/ acre; .37-.74 fl oz/ 1,000 sq ft

**Size:** 4 x1 gal

**DO NOT MULCH GRASS TREATED CLIPPINGS**

**Do not use more than 5 pt/acre per year of treatment.**

**USE of THIS PRODUCT on HOME LAWNS is PROHIBITED**

## Dimension 2EW (dithiopyr)

#490009

Selectively formulated emulsifiable concentrate providing control of annual grasses & broadleaf weeds in established lawns, commercial sod farms, ornamental turf (including golf course fairways, roughs, tee boxes, putting greens) and landscape ornamentals. **Rate:** 1-2 qts/ acre; .38-.78 fl oz/ 1,000 sq ft **Size:** (#490007) 4 x .5 gal, & (#490009) 2 x 2.5 gal

## Drive XLR 8 (quinclorac)

#490061

Proprietary, water-based formulation, Drive XLR8 improves the control of crabgrass and is rainfast in less than 1-hour! **Rate:** 64 oz/ acre, 1.45 oz/ 1,000 sq ft **Size:** 4 x 64 oz

## Dyclomec 4G: See Barrier, #490064

## Eject 75 (quinclorac)

#490063

Post-emergence, residential & non-residential turfgrasses for extended control of many broadleaf and grass weeds. **Rate:** 1lb/ acre (0.37 oz per 1,000 sq ft) Do not apply more than 2lb/ acre (.74 oz per 1000 sq ft) per year.

Use Microyl surfactant

**Size:** 6 x 1 lb

**Elite Basal Oil #490077/ 490086**  
*Basal Oil is a surfactant used with herbicides, also includes blue dye indicator.*  
**Size: 12.5 gal, 2 x 1.875**

**Fiesta Bioherbicide (Iron Hedta)**  
*Mineral based herbicide, perfect for spot treatment of broadleaf weeds in lawns, turf, parks, playgrounds, cemeteries & athletic fields. Reseed turf after 24 hours! Rate: 5 oz/gal water, 5-10 gal of finished mix/ 1,000 sq ft*

**# 490163**  
**Size: 4 x 1 gal**

**# 490169**  
**Size: 2 x 2.5 gal**

**Finale (glufosinate-ammonium) #490092**  
*Non-selective water-soluble herbicide, apply as a foliar spray to control a broad spectrum of emerged annual and perennial grass or broadleaf weeds. Also controls certain woody species. Rate: 1.5 - 4 fl oz/ gal water*  
**Size: 2 x 2.5 gal**

**FreeHand #490258**  
**(dimethenamid, pendimethalin)**  
*New active ingredient for use in landscape ornamentals, imethena-mid-P combined with pendimethalin. A perfect tool for preemergent weed control of annual grasses, susceptible sedge species and many small-seeded broadleaf weeds.*

- Broader Range of control

- Residual Control for Stopping Weeds as They Germinate

**Rate: 100-200 lbs/ acre**

**Size: 50 lb bag**

**Gallery (See isoxaben) #490074**  
*Selective pre-emergent for control of certain broadleaf weeds, annual grasses in established turf, landscape ornamentals, nursery stock, and non-cropland areas. Controls such weeds as:*

chickweed - white clover - prostrate knotweed - oxalis  
 spurge - common purslane - crabgrass, dandelion & foxtails

*Apply in late summer to early fall or in early spring prior to germination of target weeds. Rate: .66-1.33 lb/ acre or .25 -.50 oz/ 1,000 sq ft*  
**Size: 4 x 1 lb**

**Garlon 3A**  
 See Tahoe 3A, #490183

**Garlon 4**  
 See Tahoe 4E, #490185

**Lontrel (clopyralid) #490098**  
*For selective post-emergence control of broadleaf weeds in turf, sod farm, and certain ornamental plantings, such as conifers and non-leguminous woody species. Rate: 1/4 to 1-1/3 pt/ acre; 1/10 - 1/2 fluid oz/ 1,000 sq ft*  
**Size: 12 x 1 qt**

**Isoxaben #490075**  
*Selective pre-emergent for control of certain broadleaf weeds, annual grasses in established turf, landscape ornamentals, nursery stock, and non-cropland areas. Controls such weeds as:*

chickweed - white clover - prostrate knotweed - oxalis  
 spurge - common purslane - crabgrass, dandelion & foxtails

*Apply in late summer to early fall or in early spring prior to germination of target weeds. Rate: .66-1.33 lb/ acre or .25 -.50 oz/ 1,000 sq ft*  
**Size: 4 x 1 lb**

**Manage**  
 See SedgeHammer, #490210

**Mecomec 4 (MCP) #490104**  
*For control of surface creeping or prostrate broadleaf weeds in golf greens, fairways and other fine turfgrass. Rate: 1.5 oz/ 1,000 sq ft*  
**Size: 2 x 2.5 gal**

**Millennium Ultra 2 (2-way)**  
 See Trimec Classic #490155, or Speedzone #490223

**Onetime #227015**  
**(quinclorac, mecoprop, dicamba)**  
*Postemergence herbicide provides control of nearly 70 weeds including crabgrass, broadleaf, foxtail, torpedograss, wild violet, dollarweed and ground ivy. Combines the latest Drive® XLR8 herbicide technology with MCP-P and dicamba to deliver unsurpassed control. Rate: 64 oz/ acre, or 1.45 oz/ 1,000 sq ft*  
**Size: 4 x 1 gal**

**Ornamec (fluazifop-P-butyl) #490114/ 16/ 17**  
*A selective post-emergent herbicide for control of annual and perennial grasses in and around ground covers, landscape plantings, and nursery stock. Can be applied "over-the-top" or as directed spray depending upon plant species. Kills grass in ornamentals. Rate: 64-96 fl oz Ornamec plus 8 oz nonionic surfactant in 25 gal water/ acre*  
**Size: 12 x 1 qt; 12 x 1 qt; 4 x 1 gal**

**Oryzalin 4 Pro**  
 Post-patent Surflan (oryzalin) #490140

**Oxadiazon 2G (Ronstar) #490150**  
*A selective pre-emergent controls many annual grasses and broadleaf weeds. Do not use on bentgrass or turf containing red fescue or annual flower beds. Turf: 100-200 lbs/ acre or 2.25-4.5 lbs/ 1,000 sq ft*  
**Woody Ornamentals: 100-200 lbs/ acre, or 2.25-4.5 lb./1,000 sq ft**  
**Size: 50 lb bag**



# HERBICIDES



## Relax with ProDeuce®

Dual-action ProDeuce® herbicide combines proflaminate and glyphosate, two of the most trusted turf and lawn care solutions, into one convenient formulation. ProDeuce is the perfect solution for landscape managers and lawn care operators seeking to eliminate nuisance weeds from weed-prone areas. Reduce labor and damage costs – one application is often all you need.

**ProDeuce®**

[www.nufarm.com/us](http://www.nufarm.com/us)

**Better Choices.  
Better Business.**

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## Pendulum AquaCap #490122/ 490311 (pendimethalin)

*Pendulum AquaCap delivers virtually no odor, reduced staining potential, increased ease and flexibility of handling, mixing and cleanup, and improved storage stability and environmental profile. Will not control established weeds.*

**Rate:** 3.1 - 4.2 pints per acre **Size:** 2 x 2.5 gal, 15 gal drum

## Pennant MAGNUM #490196 (S-metolachlor)

*Pre-emergence herbicide that offers long-lasting residual control of yellow nutsedge and tough annual grass and broadleaf weeds. Can be used in wide range of ornamentals and warm-season turfgrasses. MAGNUM technology provides superior control of labeled weeds at a 33% reduction in use rate.* **Rate:** 1.3 - 2.6 pints/ acre **Size:** 4 x 1 gal

## PowerZone (4-way) #490225

*Excellent postemergent activity, proven performance for broadleaf weed control in turfgrass. Rapid and effective weed control for common & troublesome weed species including white clover, dandelion, ground ivy and spurge.*

**Rate:** 2.0-6.0 pints/ A; general 3.5-4.0 pints (Lower rates can be used in cooler weather conditions) See label for specific rate recommendations. **Size:** 4 x 1 gal; 2 x 2.5 gal

## Pramitol 25 E (prometon) #077074

*An emulsifiable non-selective herbicide that controls a wide variety of annual and perennial broadleaf weeds and grasses in non-cropland areas. Apply prior to weed emergence to the time weeds are 3 months old. Residual action lasts for a year or more. Do not use in areas that will be planted within a year. Do not apply near desirable plants.* **Rate:** 20-30 gal/ acre in 50-100 gal water. **Size:** 2 x 2.5 gal

**#077078:** 30 gal drum **#077247:** 4 x 1 gal drum  
**#209351:** 5% ai, granular, 25lb bag

## ProDeuce #490002/ #490003 (glyphosate, Proflaminate)

*Pre-emergent and post emergent non-selective weed control for many broadleaf weeds and grasses.* **Rate:** 3-6 oz/ gal water treats 1,000 sq ft **Size:** 1 gal, 2.5



# HERBICIDES

## Pronto (Imazapyr, glyphosate)

#490129

Non-selective herbicide for season long control of undesirable vegetation in non-cropland areas. Do not use on lawns or around roots of desirable shrubs and trees.

Rate: .75 - 1 qt per gal water/ 100 sq ft

Size: 1 gal; 2 x 2.5 gal

#490174, (1 gal)

#490175, (2.5 gal)

## Q-4 Plus

#490129

Contains four (4) active ingredients:

**Quinclorac + Sulfentrazone + 2,4-D + Dicamba**

Absorbed by both the leaves & roots and translocated throughout the plant. Offers the professional turf manager **more knockout power!**



#227018, Size: 12 x 1 qt

#227016, Size: 4 x 1 gal

#227017, Size: 2 x 2.5 gal

## Quali-Pro 2-D

#490030

Same ai as "Confront" (triclopyr, clopyralid)

Broad spectrum herbicide, this low odor post-emergence provides superior control of up to 35 "difficult-to-manage" species of broadleaf weeds. Rate: 1-2 pints/ acre; .37-.74 fl oz/ 1,000 sq ft

Size: 4 x1 gal

## Quali-Pro T/I 2.5 G

#490129

Same ai as "Snapshot" (trifluralin + isoxaben)

Broad-spectrum preemergence herbicide used in Christmas Tree plantations, non-bearing Fruit & Nut Trees, non-bearing vineyards, non-crop & ornamentals. Controls broadleaf weeds & annual grasses. Rate: 100 - 200 lbs/ acre, or 2.3-4.6 lbs/ 1,000 sq ft

Size: 50 lb

## ReGreen

#434375

Non-phytotoxic colorant specifically formulated to impart a long lasting, natural ryegrass color when applied to dormant and nondormant turfgrasses. Easy to blend treated areas into existing turf, no tank mixing to achieve proper color.

Rate: 8 oz/ gal water per 1,000 sq ft

Size: 2 x 2.5 gal

## Ronstar

See Oxadiazon 2G, #490150

## RoundUp ProMax (glyphosate)

#490320/ #490330

Systemic postemergence glyphosate, provides broad-spectrum control of many annual & perennial weeds, woody brush and trees. This formulation is the **most concentrated Roundup Pro® ever!** A unique surfactant allows penetration of leaf surfaces faster than other glyphosate herbicide products giving it a 30-min rainfast warranty. Rate: 2-4 qt/ acre or 2-3 fl oz/ 1,000 sq ft

Size: 1.67 gal Jug; 30 gal drum

## RoundUp PROConcentrate (51% glyphosate)

#490303

**Less to Use/Costs Less to Spray!**

Labeled for nurseries and road side only. Same great RoundUp formula with 51% ai

Size: 2 x 2.5 gal



## RoundUp Quik Pro Dry Pak (glyphosate, diquat)

#490208

Pre-measured packets, in a dry formulation.

Easy to use: no mixing, no spilling, non-selective.

Rate: 1 packet per gallon of water

Size: 6 x 5 1.5 oz pkts (sold in 5pkts )

## RoundUp WDG QuikPro (glyphosate, diquat)

#490214

QuikPRO's fast symptomology, quick burndown & complete control reduce customer weed control complaints

**The latest herbicide invention  
visible results in 24 hours  
Rainfast in 1 hour**

Rate: 1 1/2 oz/ gal of water



Size: 6.8 lb Jug

## Sahara DG (imazapyr & diuron)

#490333

Controls over 150 weeds, and most common turf grasses, with a single application. Offers effective preemergent and postemergent control and a wide application window to meet your schedule. Because Sahara stays where it's applied and affects only targeted vegetation, there's little chance of off target damage.

Rate: 6 oz/ 1,000 sq ft

Size: 4x10 lb

# HERBICIDES

## Segment (Sethoxydim)

#490240

Delivers selective postemergent control of weed problems in centipede grass, annual bluegrass, fine and tall fescue (established) and can be used on any non-grass plant species without issue. **The Only Postemergent grass herbicide that can be applied directly to trees.**

**Rate:** Annual grasses up to 6": 1.5% or 2oz/ gal  
Annual grasses up to 12" & perennial grasses, 2.25% or 3 oz/ gal  
**Size:** 4 x 1 gal

## Scythe

(pelargonic acid & related fatty acids)

#490128

Contact, non-selective, broad spectrum, foliar-applied herbicide. Provides control or burndown both annual and perennial broadleaf & grass weeds, as well as most mosses and other cryptogams. **Rate:** 4-13 oz/ 1 gal water/ 1,000 sq ft  
**Size:** 2 x 2.5 gal

## SedgeHammer (Prosege)

#490210/490212

For post-emergence control of purple or yellow nutsedge found in established turfgrass. **DO NOT** exceed the recommended amount of surfactant due to the potential for turf injury at higher rates.



**Rate:** 2/3 to 1 1/3 oz per acre after nutsedge has reached the 3 to 8 leaf stage of growth.  
**Size:** 10 x 1.3 oz; .9 g

#490212 1.33 oz bottle      #490212 .9 gram envelope

## SITE

#434445

Made Exclusively for  
Makes RoundUp-Pro  
and other chemicals  
work faster.



Glyphosate enhancer (Roundup) and deposition indicator. Specifically formulated to enhance Glyphosate performance and application identification by coating leaf surfaces with a nonstaining, blue surfactant system which effectively increases Glyphosate availability and absorption by plants.

**Add Glyphosate last to maximize performance and minimize foaming.**

See label for use with aquatics.

**Rate:** 2 - 4 oz per gallon of water      **Size:** 6 x 1 gal

## Snapshot 2.5TG

(trifluralin plus isoxaben)

#490134

Also see Qulai-Pro T/I 2.5, #490129

Surflan/Gallery herbicide combination for pre-emergent control of many broadleaf weeds and annual grasses in ornamental beds, nurseries, Christmas trees, nonbearing fruit and nut crops. **No more weed pulling**

**Rate:** 100-200 lb/ acre or 2.3-4.6 lb/ 1,000 sq ft  
**Size:** 50 lb bag

## SpeedZone (4-way)

#490222/ #490223

Broadleaf weed control in ornamental turf, golf courses, lawn, cemeteries, parks and general weed control especially where rapid visual results are an advantage.

**Rates:** 3.0-5.0 pints/ A; general 3.5-4.0 pints. Lower rates can be used in cooler weather conditions. See label for specific turf species rate recommendations. **Size:** 4 x 1 gal.; 2 x 2.5 gal

## Surflan AS

#490140

Also See Oryzalin #490140

Selective pre-emergence herbicide to control annual grasses and many broadleaf weeds in landscape ornamentals, container grown ornamentals, nursery stock, ornamental bulbs, groundcovers, annual flower beds, and non-cropland areas. Will not control established weeds. Tank mix with RoundUp Pro to control existing undesirable vegetation.

**Rate:** 2-4 qt/ acre or 1.5-3.0 oz/ 1,000 sq ft Surflan/RoundUp  
**Tank Mix:** 4 qt of each in 30-40 gal water/ acre, or 3 fl oz of each in 1 gal water/ 1,000 sq ft  
**Size:** 2 x 2.5 gal

## Surge

(3-way; sulfentrazone)

#490230/ #490242

Amine option for FAST weed control in warmer weather. Provides outstanding control of spurge and other warm-weather weeds such as knotweed, plantain, oxalis, clover and dandelion. Additionally, SURGE provides suppression of young and actively growing yellow nutsedge.

**Rate:** 3.25 - 4 pints/ acre, or 1.25 -1.5 oz/ 1,000 sq ft  
**Size:** 4 x 1 gal; 2 x 2.5 gal

# HERBICIDES

## Tahoe 3A

#490183

### Triclopyr 3A

(Butoxyethyl triclopyr) Use with Elite Premium, #490086 Post-emergence control for brush and weed control on right-of-ways, industrial sites, **non-crop areas & non-irrigation ditch banks**, forests, & wildlife areas. A surfactant is recommended – such as basal oil.

Rate: See label for rates

Size: 2 x 2.5 gal

## Tahoe 4E

#490185

### Relegate Triclopyr 4E

(Butoxyethyl triclopyr) Use with Ax-it Basal Oil, #490086 Effectively controls woody plants & broadleaf weeds.

- Labeled for basal bark, cut stump & dormant stem applications and the ones listed above at Tahoe 3A

- Oil soluble 4-pound ester formula

Easily penetrates waxy leaves on hard to control species, selective control, does not disturb grasses. Rate: See label for rates

Size: 2 x 2.5 gal

## Team 2G (benefin & trifluralin)

#490146

Selective pre-emergence herbicide for control of crabgrass and other annual weed grasses in established turf including bentgrass fairways. Apply approximately 1 to 2 weeks prior to germination of target grass weeds. Reseeding should be delayed for at least 6 weeks following application, 12 to 16 weeks if highest rate used.

Rate: 75-100 lb/ acre or 1.75- 2.25 lb/ 1,000 sq ft

Size: 40 lb bag

## Tordon RTU

#490147

(picloram, dichlorophenoxyacetic acid)

Specialty herbicide effectively kills cut stumps when you are cleaning out fence lines and non-cropland areas. RTU stands for Ready-To-Use, no mixing or measuring, you can use it nearly year-round. Just pour it into the convenient squirt bottle applicator and go to work!

Size: 1 quart

## Treflan 5G (trifluralin)

#490144

Pre-emergent control of annual grasses and broadleaf weeds in established flowers, ornamental groundcovers, woody shrubs, trees, and nursery stock.

Rate: 80 lb/ acre or 2 lb/ 1,000 sq

Size: 40 lb bag

## Triamine Jet-Spray Spot Weed Killer (3-way)

#490149

2,4-D, Mecoprop and Dicloprop amine formulation in a convenient premixed formula in an aerosol can. The foam marker shows treated areas. Excellent for quick spot treatment applications.

Size: 23 oz can

## Trimec 992 (3-way)

Broadleaf herbicide has long been favored by LCOs because it gives very rapid knockdown of dandelions while also offering a broad-spectrum of control. Wide range of water volumes accommodates tank-mixing needs, including fertilizers and lawn insecticides. Low-volume rates are included.

Rate: 3 to 4 pints/ acre

Size: 2 x 2.5 gal

#490126: 2.5 gal

#490157: 30 gal

#490179: 55 gal

#490131: 275 gal

#490161: 30 gal

Also available in totes

## Trimec Bent Formulation (3-way)

#490159  
#490160

Formulation of 2, 4-D, MCPP, & Dicamba for control of most broadleaf weeds in bentgrass.

Rate: 3-4 pt/ acre or 1- 1 1/2 oz/ 1,000 sq ft

Size: 4 x 1 gal.; 2 x 2.5 gal



## Replace Divot Mix Colorant

#434374

A permanent colorant specifically formulated to impart a long-lasting green color to sand during the mixing phase of divot mix preparation. Natural green color blends easily with turf, won't harm germination of sensitive turfgrass seed, economical.

Rate: Premix 6 ounces of REPLACE with 6 ounces of water per 100 pounds of sand.

Size: 2 x 2.5 gal

# HERBICIDES

## Trimec Classic Broadleaf (3-way)

Selective Post-emergent herbicide for control of broadleaf weeds such as chickweed, clover, dandelion, knotweed spurge, and plantains in established turf. Do Not apply when air temperature exceeds 85 deg. F. Do not apply to newly seeded grasses until well established. Seeding can be done within 3 - 4 weeks following Application. **Rate:** 3.25 - 4 pt in 20-260 gal water/ acre or 1.2-1.5 fl oz in 1 - 6 gal water/ 1,000 sq ft **Size:** 4 x 1 gal; 2 x 2.5 gal; 30 gal drum; 55 gal drum; 14 gal drum (returnable)

#490155, (1 gal)

#490156, (2.5 gal)

#490154, (14 gal)

Ask About 30 - 55 Gal Drums

## Trimec Encore (3-way)

#490162

Selective post-emergent herbicide that gives the same broadleaf weed control in established turf as other Trimec formulations This formulation contains MCPA, MCPP & Dicamba, no 2, 4-D.

**Rate:** 3.25- 4pt in 20 - 240 gal water/ acre or 1.2-1.6 fl oz in .5 - 5.5 gal water/ 1,000 sq ft **Size:** 2 x 2.5 gal

## Trimec Granular (3-way)

#490178

Broadleaf weed killer in granular form. Controls broadleaf weeds such as chickweed, clover, dandelion, knotweed, plantain and spurge in established grass.

**Rate:** 20 lbs covers 10,000 sq ft

**Size:** 20 lb bag

## Trimec Super (3-way)

Post-emergent herbicide for weed, knotweed, plantain and other broadleaf weeds in established turf. Can be applied in cool weather any time temperature is above 40 deg. F and weeds are actively growing. Do not apply when air temperature exceeds 85 deg. F. Do not apply to newly seeded grasses until well established. Seeding can be done within 3 - 4 weeks after application. **Rate:** 2-3 pt in 20-260 gal water/ acre or .75-1.1 oz in 1-6 gal water/ 1,000 sq ft **Size:** 6 x -gal, 2 x 2.5 gal

#490170, (1 gal)

#490172, (2.5 gal)

## Tupersan (Siduron)

#490184

Can be used when seeding, sodding and sprigging for selective pre-emergent control of certain annual weed grasses. Labeled for use on sod farms.

**Rate:** 4 - 12 lbs/ acre; 1.5 - 9 oz/ 1,000 sq ft

**Size:** 12 x 4lb Bags

## Vegememec

See Pronto, #490174, 490175

## Weed Mat

Use under shrubs and trees for a "finished landscape" look, or for edging and borders. Dense enough to block the light that many weed seeds need to germinate. Made of durable landscape fabric for use under mulch or to suppress weeds, retains moisture in soil.

**Rate:** .75 - 1 qt per gal water/ 100 sq ft

**Size:** 1 gal; 2 x 2.5 gal

434552: 4' x 200'

434554: 6' x 200'

434562: 8, x 200'



## Other Useful Items

### Hudson 4 Gallon Back Pack Sprayer

Item # 439175

*See Page 107  
for More Sprayers!*



**Contact Your  
Certified Turf Specialist Today!**

### Earthway 100lb Broadcast Spreader

\* Large 13" 4" Stud Tires \* High Volume Hopper

Item # 439316



*See Page 105  
for More Spreaders!*

There is an industry benchmark for professionalism that you can count on! A way to separate a mere vendor from a valued business partner, and a salesperson from a true resource. This mark of excellence is called the **Certified Turf Specialist**, or **CTS** Designation, a trademark of true professionalism.

#### **CTS Requirements**

1. All **CTS** testing Guidelines and Procedures are accredited by respected turf experts, recognized throughout the industry for their extensive knowledge of turf biology and agronomics.
2. Approved by Tom Voigt and Roscoe Randall of the University of Illinois, **CTS** Testing is offered exclusively through and created for the FS System, a leading supply organization for over 75 years.
3. The **Certified Turf Specialist** Designation requires the ability to demonstrate comprehensive biological and agronomic understanding of turf varieties, maintenance needs, & all aspects of turf performance.

To maintain certification, **Certified Turf Specialists** are required to complete scheduled testing and attend annual industry trainings on the latest turf and landscape products & maintenance methods.

# HERBICIDES

The next big thing  
in weed control...



...is also the smallest.

MORE CONCENTRATED • EASY TO HANDLE • CONSISTENT PERFORMANCE

Visit [WWW.ROUNDUPPROMAX.COM](http://WWW.ROUNDUPPROMAX.COM)





# Need Speed?

**SEE RESULTS IN  
JUST 24 HOURS!**



UnTreated

Treated

Visual results in 24 hours and dead clover in as little as a week. That's the kind of performance you can expect from a precision product like SpeedZone.

University tests, field trials and turf managers have demonstrated consistently fast control of tough weeds such as clover, plantain, ground ivy and spurge. And dandelions are blown away!

**Get your weed control program on the fast track with SpeedZone® Broadleaf Herbicide for Turf.**

- Low odor
- Excels in cool-weather
- Rain-fast in 3 hours
- Reseed in 2 weeks



**G pbi/gordon  
CORPORATION**

An Employee-Owned Company  
800-821-7925 • [pbigordon.com](http://pbigordon.com)

SPEEDZONE is a registered trademark of PBI Gordon. ©2004 PBI Gordon Corporation 000173

# INSECTICIDES/PESTICIDES

## Abamectin 0.15 EC (Same as Avid)

#470145

Control of leafminers and spider mites on ornamental plants. Mix with sufficient water and apply as a foliar spray to obtain uniform coverage. Do not apply this product through any type of irrigation system. Not for aerial application. Do not use in citrus nurseries.

**Rate:** 4 - 8 fl oz/ 100 gal water  
**Size:** 4 x 1 quart

## Bifenthrin Pro 7.9% Golf/Nursery/Landscape (bifenthrin)

#470127  
#470136 qt

The longest lasting, broad-spectrum pyrethroid insecticide for the control of numerous pests found in turf and ornamentals. Low to no odor. When used as directed, controls at least 25 major turfgrass insect pests and more than 40 ornamental insect pests.

**Rate:** 0.25-1.70% vol/ vol per treatment  
**Size:** 4x1 gal, or by the quart

## Aloft GC (clothianidin, bifenthrin) (Restricted Use- Golf Course only)

#470141 SC  
#470142 G

Broad-spectrum, long-lasting contact and systemic insecticide for control of insects infesting turfgrass and ornamentals in landscapes and surrounding areas. Can be used around residences, business complexes, industrial complexes, airports, playgrounds, school yards, parks and recreation areas, athletic fields, golf courses, cemeteries, arboretums and non-production greenhouses. Can be used on commercial sod farms. **Rate:** SC - 0.14-0.44 fl oz/ 1,000 sq ft (6-19 fl oz/ acre); G - 1.8 - 3.6 lb/ 1,000 sq ft (80-160 lb/ acre) **Size:** 4 x 64 oz; 40lb bag

## Carbaryl

(Same active ingredient as Sevin)

#470110

Microfine insecticide in an aqueous medium, which readily disperses in water. Provides broad spectrum insect control on various nut and fruit trees, shade trees, ornamentals and in turf. **Rates, Ornamentals and trees:** 1 - 2 qt in 100 gal water. **Turf:** ants, armyworm, cutworm and earwigs: 1 1/2- 3 fl oz in sufficient water per 1,000 sq ft **Chinch bugs, sod webworm & white grubs:** 4.5 - 6 fl oz in sufficient water per 1,000 sq ft **Size:** 2 x 2.5 gal

## Aloft LC SC (clothianidin, bifenthrin) #470143 SC #470144 G



Broad-spectrum, long-lasting contact & systemic insecticide for control of insects infesting lawns & ornamentals in landscapes, and surrounding areas. Can be used around residences, business complexes, industrial complexes, airports, playgrounds, school yards, parks and recreation areas, athletic fields, cemeteries, arboretums and non-production greenhouses. Not for use on golf courses or sod farms.

**Rate:** SC - 0.27 - 0.54 fl oz per 1,000 sq ft (11.65 to 23.3 fl oz per acre), G - 1.8 - 3.6 lb/ 1,000 sq ft (80-160 lb/ acre)  
**Size:** 4 x 64 oz jug; 40lb bag

## Conserve SC (spinosad)

#470009

Recommended for IPM program including insect control on ornamentals and turfgrass. Will control lepidopterous larvae (such as: cutworm, armyworm, sod webworm, gypsy moth larvae, Eastern tent caterpillar and others), sawflies, thrips, and leaf feeding beetles such as elm and willow leaf beetles.

**Rate:** Ornamentals, 6 fl oz to 22 fl oz, per 100 gals of water  
**Turfgrass:** .25 fl oz to 1.2 fl oz/ 1,000 sq ft **Size:** 4 x 1 qt

## Cyonara 9.7 (lambda-cyhalothrin) (Use in place of Diazinon)

#470604

Achieves unsurpassed control of most pests within minutes, and offers a residual that can last up to several months, even at considerably low use rates. Labeled for outdoor perimeter pest control, indoors for food handling areas, turf & ornamentals, & animal housing.

**Rate:** .20 - .80 oz in 1-5 gal water  
**Size:** 6 x 1 qt

## Azatrol (azadirachtin)

#470070 1 qt  
#470071 1 gal

An application of Azatrol does not provide the quick 'knock down' of a contact poison. However, 21 days after treatment, insect control is comparable to the standards. The end result — insect population control — is obtained. If Azatrol is used as a preventive treatment throughout the season, prior to insect infestation, the goal of protecting plants, ornamental flowers and shrubs and trees will be accomplished.

**Rate:** .32 - 2.18 oz/ gal

**Size:** 12 x 1 qt; 4 x 1 gal

## Cyonara LP (granules)

#470606



Cyonara LP Granules, are an excellent choice for yard, lawn or home perimeter pest control. Controls everything from ants & fleas to crickets & earwigs.

**Rate:** 2 - 3 lb per 1,000 sq ft  
Covers 12,500 sq ft  
**Size:** 25lb bag



# INSECTICIDES/PESTICIDES

## Diazinon 5G (diazinon)- (See Cyonara #470606)

## Chlorpyrifos 4E (chlorpyrifos) #470031 (same as Dursban, #470032)

**Restricted Use.** Emulsified concentrate for control of pests located around industrial buildings (turf & ornamentals), road medians & golf course turf only. **Rate:** .5 -1 qt/ acre **Size:** 2 x 2.5 gal

## Dursban 50WSP (chlorpyrifos) #470032 (Restricted Use)

Wettable powder insecticide formulation in water soluble packets for use. Spray to control various insect pests of turf, trees, and ornamental plants in the landscape, golf courses, nurseries, and greenhouses. **Rate:** Turf, 2 lbs/ acre (eight 4 oz. packets) **Ornamentals Grown in Nurseries:** 1 to 32 lbs in 100 gals of water per acre **Size:** 8(7 x 4 oz pkt)

## Dylox 6.2G (dimethyl phosphonate) #470035

Granular insecticide controls white grubs, mole crickets, sod webworms and cutworms in turf areas of parks, corporate office centers, athletic fields, golf courses, and home lawns. Not for use on turf being grown for sale or other commercial use as sod or commercial seed production. Short residual (7-10 days). **Rate:** Sod webworm and cutworm, 2 lbs in sufficient water/ 1,000 sq ft white grub larvae and mole crickets, 3 lbs/ 1,000 sq ft. Irrigate following application for root feeding insects. **Size:** 30 lb bag

## Dylox 420 SL #470006

Dylox 420 SL works by contact **and** ingestion. Rescues and protects lawns & turf from grubs & other insects. Penetrates thatch up to 1/2-inch thick!

- Provides rapid curative grub control in as little as 24 hours
- Helps stop damage from skunks, birds, raccoons, & other predators
- Has a longer effective application window than most competitors

**Rate:** 4.6-6.9 oz/ 1,000 sq ft (200-300 fl oz per acre)

**Size:** 2 x 2.5 gal



## Fruit Tree Spray (4-way)

Insecticide, fungicide, liquid concentrate. Complete liquid fruit tree spray contains Captan, Malathion, Methoxychlor, Sevin, and a spreader sticker. **Rate:** .75 -1.5 oz/ gal

**Item# 470038:** 4 x 1 gallon, **# 470038:** Quarts

## Horticultural Spray Oil (Dormant Oil/Damoil)

**Item# 470028** 2.5 gallon, **# 470029:** 55 gallon

A miscible superior spray oil for dormant, delayed dormant, and summer applications to control certain insects on fruit trees and bushes, roses, shade trees, evergreens, and ornamental shrubs. **Rate:** Dormant and delayed dormant, use a 1 to 50 dilution (2.5 fl oz/ gal) or a 1 to 33 dilution (3.8 fl oz/ gal). Apply to all plant surfaces when the temperature is above 40°F and there is no danger of freezing before the spray dries. Foliar Summer Spray to control scale insects, red spider mites, mealy bugs, and white fly larvae on shade trees, evergreens, camellias, azaleas, and hardy shrubs, use at 1-50 or 1-100 dilutions. Do not apply at temperatures above 85°F when humidity is high. **Size:** 2 x 2.5 gal; 55 gal

## Imidacloprid, 75 WSP #470125

**Enforce** (Use in place of Mallet 75WSP)

Systemic activity controls a broad range of pests in landscape ornamentals and groundscapes. Delivers long-lasting white grub protection. Best used as a preventive before egg lay, but also offers curative action through second instar. **Rate:** 4-6 pk/ acre **Size:** 4 x (4 x 1.6oz pk) sold by 4 x 1.6 pks

**Item# 470126:** 88 x 1.6oz Pk

**Item# 470125:** 4 x (4 x 1.6 oz pk)

## Imidacloprid, Liquid #470128

Turf Grass **Rate:** 1.25 - 1.6 pt/ acre

Trees Foliar **Rate:** 1.5oz/ 100 gallon water

Trees Soil Injection **Rate:** .1 - .2oz/ inch of trunk dia

Shrubs, Flowers & Grounds **Rate:** See label

**Size:** 4 x 1 gallon, 12 x 1qt

**Item# 470130:** 12 x 1 quart

**Item# 470128:** 4 x 1 gallon

## Imidacloprid Granular #470124

(same as Merit)

For foliar and systemic insect control in turfgrass (including sod farms), landscape ornamentals, & interior plantscapes.

**Rate:** 1.4 - 1.8 lb/ 1,000 sq ft, 60-80 lbs / acre **Size:** 30 lb

## Grubs Can't Read Brand Names



### Imidacloprid Grub Control

Imidacloprid has the same active ingredient as Merit®\*. As both a preventive and a curative, Imidacloprid offers 90% efficacy on virtually every species of grub, and other turf and ornamental pest insects. It even improves turf quality. Low use rate means low risk to you and other non-target organisms. **Always see and read product label.** \* Merit® is a registered trademark of Bayer.

#### Grub Control Information

Although grubs are present near the soil surface from April - early October, they cause the most damage from July-September. During this time, the eggs are hatching and the voracious young grubs are actively feeding on grass roots. It is also during this time that the grubs are most susceptible to insect controls. Their active eating habits increase their consumption of the control. Also, the smaller the grub, the easier it is to control.

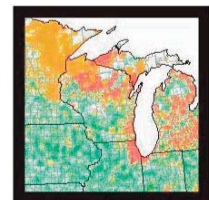
The key to protecting turf from the ravages of white grubs is to wipe them out early with an economical application of Imidacloprid or another specialty insecticide that includes Imidacloprid. **Your Certified Turf Specialist can recommend a product that by a single application will provide season-long control of white grubs.** Imidacloprid is best applied as a preventative treatment and can be used on historically troublesome areas and provides at least 6 weeks of residual effectiveness. It can also be used as a curative treatment and will effectively control existing unwanted insects, providing residual staying power to ensure reinfestation does not occur.

**Application timing depends on the target pest's life cycle. In general, apply mid-June through mid-August.**

# INSECTICIDES/PESTICIDES



## *Wanted* emerald ash borer



### SYMPTOMS



Appearance of "water sprouts" (epicormic shoots) on the trunk.



Tiny (1/8 inch) D-shaped exit holes in the bark



S-shaped channels under ash tree bark caused by larva



Increased activity by woodpeckers on ash tree



woodpecker markings on ash tree



Vertical splits in the tree's bark



See Page 12  
or Rates &  
Application  
Instructions



# The Treatment

# INSECTICIDES/PESTICIDES

**0-0-7 w/ .20 Imidacloprid**

**#550093 Merit 75 WSP - (See Enforce, #470125)**

A systemic insecticide on a potash carrier that can be used as a broadcast application to control soil inhabiting insect pests of turfgrass in sites such as home lawns, corporate office centers, parks, cemeteries, athletic fields, and golf courses. Not for use on commercial sod farms. Applications should be made prior to anticipated pest infestation to achieve optimum levels of control for targeted pests. **Rate:** 150 lbs/ acre or 3.44 lbs/ 1,000 sp ft **Size:** 50 lb bag

**Merit 0.5 G - (See Imidacloprid, #470128)**

**Onyx - (See Bifenthrin, #470127)**

**Orthene Spray T&O (acephate) #470083**

Patented 97% soluble pellet formulation and zipper-lock resealable plastic bag that mean no dust, lower odor and more accurate measuring. Fast control of mole crickets, fire ants, chinch bugs and worms. And, golfers can resume play as soon as the spray dries. **Rate:** 1/10 to 1/5 oz/ 100 sq ft of urea under the drip line. **Size:** 12(3 x .773 lb can)

**Orthene Spray WSP (acephate) #470080**

A broad-spectrum insecticide that kills nursery and landscape pests two ways - on contact and through systemic activity that lasts up to 21 days. Economical to use in controlling such ornamental pests as aphids, thrips, Lygus, scales (crawlers), black vine weevil, and turfgrass pests such as cutworm, sod webworm, and black turfgrass ateniensis. **Rates, Trees and Ornamentals:** 1/3 lb to 1 lb/ 100 gals of water. **Turfgrass:** 1/2 oz to 2.4 oz/ 1,000 sq ft **Size:** 12 x 1 lb can

**Orthene T&O 12 (acephate) #470082**

Convenient water soluble packets (WSP) make handling and measuring even easier. **Rate:** See label for rates by application. **Size:** 12(3 x .33 lb can)

**Pentra-Bark #490251**

**\* USE with Zylam when combating Emerald Ash Borer**

Bark penetrating surfactant. When applied to the woody bark periderm in combination with systemic pesticides it open the lenticels and enables movement through the lenticels into the plant's vascular transport system. Eliminates the need to spray foliage, soil drench, bark inject, or pressure inject into soil.

**Rate:** 3 oz/ gal of spray solution  
**Size:** 1 qt



**M-Pede (potassium salts of fatty acids) #470096**

A contact insecticide, miticide and fungicide for control of soft bodied insects, mites and powdery mildew. **Rate:** 1.25 - 5 tbls in 100 gal water **Size:** 2 x 2.5 gal

**Malathion 5 (57%) (malathion) #470048 1 gal  
#470049 2.5 gal**

An emulsifiable liquid insecticide, use on trees & ornamentals to control aphids, scales, birch leaf miner, thrips, white flies, adult Japanese beetle, bagworm, and tent caterpillars. **Rate:** 2 tsp per gallon of spray solution; 1.5 - 2 pts per 100 gal of spray solution **Size:** 1 gal; 2.5 gal

**Max Force #470087 btl**

**Great for Ant Control! #470088 jug**

Insecticide, indoors or outdoors; crickets, roaches, ants, silverfish. Low use rate, highly effective. **Rate:** 4 - 8 oz/ 200 - 400 linear ft **Size:** 10 oz btl, 4# jug



# INSECTICIDES/PESTICIDES

**Permethrin (Tengard)**  
(same active ingredient as Astro)

**#470002 Tempo SC Ultra (cyano)**

**#470108**

Kills more than 75 different types of household pests. Turf and ornamentals, indoors and outdoors. **Rate:** 1.6 oz - 6 oz/ gal of water  
**Size:** 12(3 x .33 lb can)

Highly effective against insects, especially the leaf-chewing insects that affect ornamental plants and turf.

**Rates Ornamentals:** 45 ml (1.5 fl oz) per 100 gal of water  
**Turf:** 4 - 8 ml (.135 fl oz - .27 fl oz)/ 1,000 sq ft **Size:** 240 ml

**Permethrin E-Pro (Tengard)**  
(same active ingredient as Astro)

**#470004 Zylam**  
(Same AI as Safari #47010)

**#470026, 2.7# jug**

**# 470025, qts**

Kills more than 75 different types of household pests. Turf and ornamentals, indoors and outdoors. **Rate:** 1.6 oz - 6 oz/ gal of water  
**Size:** 4 x 1.25 gal

**Zylam**  
(Same AI as Safari #47010)

**\* USE with Pentra-Bark if combating Emerald Ash Borer. SEE Page 12**



Highly systemic product labeled for use on landscape ornamentals in residential & commercial areas, golf courses, and parks & schools. Applies as a soil drench, bark banding, soil injection, and foliar application.

**Rate/Bark Banding:** 16 fl oz Zylam plus 1.0 fl oz of Pentra-Bark. Add to 1.0 gal of water. Do not apply more than 79 fl oz of Zylam Liquid Systemic Insecticide per acre per year.

**Rate/Ornamental Foliar:** 8oz - 16oz/ 100 gallons

**Size:** 4 x 2.7 lb, qts

**Sevin SL (SEE: Carbaryl #470110)**

**Safari 20 SG (also see Zylam, #470026) #470101**

Highly systemic product that will move through bark and will be translocated upward throughout ash trees. Can be applied as a low pressure bark spray to ash trees. Should be applied before trees are heavily infested and showing obvious symptoms of decline. **Rate:** 12 oz of Safari/gal spray solution; add 3 oz of Pentra-Bark per gal spray solution. **Size:** 4 x 3 lb

## Specialized /Repellents

**Aqueous Fly Spray**

**#433524**

**Fight Control Plus**  
(Goose Repellent)

**#434158**

Ready-to-use fly control. Use in homes and on animals. Also may be used to control other insects. **Rate:** See label  
**Size:** 6 x 1 gal

Lasts for several months when grass is dormant, is removed when grass is cut. Tank-mix with a plant growth regulator (PGR) to control growth rates. Cost effective deterrent for large areas. Apply with standard spray equipment. Virtually odorless, long-lasting and stable in all weather conditions when applied with a sticker. Provides outstanding control without harming humans, pets, wildlife, or vegetation. Active ingredient is virtually insoluble in water. **Rate:** 1 gal/ acre  
**Size:** 4 x 1 gal

**Backwoods Cutter**

**#470008**

Protects for up to 8 hours from ticks, biting flies, gnats, no-see-ums, chiggers and fleas. Unscented. **Size:** 6 oz spray

**Deer-Off**

Biodegradable, environmentally friendly, not harmful to humans or animals. Keeps deer & other garden guests from grazing on plants, flowers, hedges, buds, shrubs, grass, bulbs, and small trees. Will not wash away in rain or snow. One application lasts up to 3 months. **Rate:** Apply as needed  
**Size:** See choices to the right.



**# 434086, 32 oz Ready To Use**

**# 434087, 32 oz Concentrate**

**# 434088, 1 GI Concentrate**

**# 434089, 1 GI Ready To Use**

# INSECTICIDES/PESTICIDES

## Gladiator Rodent Bait

EPA approved for anticoagulant resistant rodents. Gladiator is a neuro toxin not an anticoagulant.

A single dose is lethal. Kills rodents within one or two days and there is no secondary toxicity.

Rate: As needed



Great for winter plant protection

#434482: 5oz Envelopes

#434483: Jar, 25 blks

#470115: Pail 128 blks

## First Watch Mosquito

#470122

Larvicide & Pupicide

Offers a naturally effective solution for mosquito control. Biodegradable. Rate: See Label Size: 2 x 2.5 gal

## Hornet & Wasp Spray

#434448

A high strength product that knocks down and kills wasps, hornets, yellow jackets, and other stinging insects on contact.

## Mosquito Barrier

Mosquito Barrier is a very strong liquid garlic made from very potent garlic cloves.

Rate: One quart covers 1.25 acres (54,450 sq ft)  
One gal covers 5 acres!

#470056: 1 gal

#470057: 1 qt

## Mosquito Beater

Outdoor insect repellent in ready, easy to use dry granule form. Nothing to mix or spray. Just cast granules by hand or sprinkle from bag or reclosable sifter canister on lawns or any other area to drive mosquitoes and certain other insects away. Rate: Apply 1/2 cup to 10 ft x 10 ft area (covers 100,000 sq ft)

#470066: 1.3 lb #470068: 32 oz #470067: 35 lb

## Safer® Deluxe

#433712

Yellow Jacket/Wasp Trap

Comes fully assembled, ready-to-use, and easy to clean. Contains a pesticide-free pheromone attractant with carbohydrate and protein ingredients.

## Slug and Snail Bait (metaldehyde) #470106

Attracts and destroys slugs and snails. Remains effective after rain and watering. Apply as a soil surface treatment.

Rate: 1 lb per 2,200 - 4,400 sq ft

Size: 10 lb bag

## Mosquito Dunks

Biological mosquito control. Use in roof gutters, flower pots, rain barrels, bird baths, anywhere you have standing water. Dunks float on water and will keep on working for 30 days or longer. Rate: 1 dunk for up to 100 sq ft of water surface, regardless of depth.



#470064: 6 Pk

#470065: 20 Pk

Made with natural Bacillus thuringiensis (BT-i), Mosquito dunks or donuts are made from natural BT-i. BT-i is a non-toxic way to deal with mosquitoes.

The mosquito dunk is put into standing water in:

- bird baths
- ponds
- tree holes
- roof gutters
- unused swimming pools
- rain barrels
- ditches
- flower pots

or wherever water accumulates. The mosquito dunk slowly releases the mosquito-killing biocontrol agent on the water surface. Each mosquito dunk treats 100 sq.ft of water surface regardless of depth. The BT-il gradually settles in the water where it is eaten by mosquito larvae growing there. Once ingested Bt-i kills 95-100% of the larvae within 24 hours long before they become biting adults.

The mosquito dunk will keep on working for 30 days. Alternate wetting and drying will not reduce their effectiveness.

Mosquito dunks contain no poisonous chemicals and are harmless to other living things.

They are completely biodegradable & nontoxic to:

- people
- fish
- wildlife

# INSECTICIDES/PESTICIDES

## Exterminate

the Enemy This Year....



### With Mosquito Control Products available at Conserv FS, Inc.

- First Watch Larvicide and Pupicide
  - Malathion ULV
- Mosquito Dunks
- Mosquito Barrier
- Mosquito Beater
  - Foggers
- Backwoods Cutter

### OTHER USEFUL ITEMS:

#### Spill Response Kit

**#560275**

To take care of any small spill, this kit contains a variety of industrial sorbent pads and socks, plus a safe plastic disposal bag, all in a convenient carrying case.

#### Spill Response 55 GI Drum

**#560276**

Open and close this lever locked 55 gal drum for fast response. Drum meets UN specifications for medium spill response. Contents:

- (Absorbs up to 40gl per kit)
- 4 socks (3"x48")
- Goggles
- 5 disposal bags
- 50 pads (16"x20")
- 8 pillows, 18"x18"
- Nitrile Gloves
- Emergency Response Handbook

#### Saline Eye Wash, 16 oz

**#460185**



#### Pesticide Coverall Suit

Item # 560250

\$83.40 / Dozen

\$ 6.95/ Each



See the Index in the back of this catalog for  
Pesticide Dilution Formulas & Tables



# IRRIGATION SUPPLIES

## Kifco Water Reels

### KIFCO: DESIGNED TO MAKE PORTABLE IRRIGATION EASY!

Kifco Water-Reels® are designed to make portable irrigation easy. The machines are simple to operate and provide efficient irrigation over a wide variety of applications. Water-Reels® are compact, highly mobile and offer many benefits. They are ideal for irrigation areas to 35 acres.



### When natural rainfall fails to provide adequate water, irrigation will prove to be beneficial

- Athletic Fields will have a better looking - improved playing surface
- The enhanced playing conditions will greatly *reduce the risk of player injuries* due to ground contact
- Simple - Operates unattended with automatic shut-off, often from municipal water supply
- Compact and highly mobile, *excellent low-cost alternative* to built-in or solid set systems
- Horse Arenas will have better dust control and offer a softer, more consistent footing

### The Kifco Water-Reel Advantage

Simple to operate - operate unattended and shut off automatically

Provide efficient irrigation over a wide variety of applications

Require far less labor than conventional labor systems

Excellent low-cost alternative to built-in or solid set systems

Often can be operated from a municipal water supply without the need for a pump

Compact and highly mobile

Ideal for irrigated areas up to 35 acres (Kifco also has Water-Reels® for larger areas)



**CONSERV FS IS AN AUTHORIZED KIFCO DEALER**  
**Repair Parts Available**



# IRRIGATION SUPPLIES

**Gilmour**  
GARDENING INNOVATION

**4-Ply Reinforced Vinyl**



- Good burst strength
- Lightweight and flexible for easy handling
- Full-Flo brass couplings
- Kink resistant

**Item #439250, 5/8" x 50'**  
Price: \$ 12.58  
Pick Up Price: \$ 11.56

**Gilmour**  
GARDENING INNOVATION

**Country Club Hose**

- PSI burst strength
- Heavy-duty, crush resistant
- Full-Flo brass couplings with built-in washer for tight sealing
- Maximum kink resistance

**Item #439238, 1" x 50'**  
Price: \$106.56  
Pick Up Price: \$ 97.92

**Item #439240, 1" x 100'**  
Price: \$165.60  
Pick Up Price: \$151.80

**Gilmour**  
GARDENING INNOVATION

**Water Weeper/ Soft Soaking**



- Provides gentle, even soaking
- Use above ground or buried
- Weather and wear resistant

**Item #439248, 5/8" x 50'**  
Price: \$ 16.28  
Pick Up Price: \$ 14.96

**Gilmour**  
GARDENING INNOVATION

**8-Ply Flexogen**



- Over 500 PSI burst strength
- Double tire cord reinforced for strength

**Item #439246, 5/8" x 50'**  
Price: \$ 29.60  
Pick Up Price: \$ 27.20

**Gilmour**  
GARDENING INNOVATION

**Three Tube Sprinkler/Soaker**



- Consistent gentle spray
- White stripe indicates proper positioning
- Full-Flo brass couplings for unrestricted water flow
- Lightweight and flexible

**Item #439214, 5/8" x 50'**  
Price: \$ 11.84  
Pick Up Price: \$ 10.88

**Canvas Mill Discharge Hose**

- With or without quick disconnect couplings.
- 1 1/2" and 2".
- Comes in 50' or 100' lengths

**Call for pricing**

**PVC Brick Red Water Discharge Hose**

- With quick couplers
- 1 1/2" & 2"
- Comes in 50' and 100' lengths

**Call for pricing**

**JD9 Heavy Duty Spray Gun**

- Heavy duty spray gun adjustable from fine fog to long distance, or stream.

**Item #439380 \$ 174.00**

**Hand Nozzles**

- Solid Brass Tip
- Fully Adjustable

**Item #439221 \$ 5.60**



**Item #439245, 3/4" x 50'**  
Price: \$ 41.76  
Pick Up Price: \$ 38.28

**Item #439243, 3/4" x 100'**  
Price: \$ 82.08  
Pick Up Price: \$ 75.24

# IRRIGATION SUPPLIES

**Conserv FS carries a wide assortment of irrigation accessories.**

**From adapters to valves we can help you with all your irrigation needs.**

**Call Craig @  
800.300.4887 or your  
Certified Turf Specialist**



## John Deere Traveling Sprinkler

**#439290 \$ 75.00**

- Full three speed adjustability and stationary setting
- Cast iron body and connectors
- All metal linkage and brass nozzles
- Shut off valve
- Rugged commercial grade construction



## SWIVEL Reel

Fits Into Tight Spots!

270 deg. Swivels!

**Item# 437001**

**Price: \$ 246.00**



## Gilmour 4-Way Hose Connector Full-Flow

- 45% more water flow

• Maximum water flow equals maximum performance from sprinklers and nozzles

• Four way shut-off valve controls water flow for four hoses

• Extra large handles for easy grip and turn

• Easy-on swivel connector insures accurate connection to faucet

**Item #439236**

**Price: \$ 9.48**



## Large Capacity Hose Wagon

Solid Steel Axles mounted under the frame for added strength!

**Item# 437002**

**Price: \$ 195.00**



# IRRIGATION SUPPLIES

**Weighted Naan Sprinkler Sled Without Head, 3/4" Standard**



**Item #439228**  
Price: \$ 5.50  
Pick Up Price: \$ 4.99

**Sprinkler Heads Brass & Plastic**



**Item #439218, Brass**  
Price: \$ 18.13  
Pick Up Price: \$ 16.38

**Plastic & Brass Complete**



**Item #439224, Brass**  
Price: \$ 24.60  
Pick Up Price: \$ 22.50

**Water Wand 24" & 27"**



- Shutoff Valve
- Great for many garden tasks
- Gentle spray nozzle is easy on plants

**Item #439289, 24"**  
Price: \$ 13.41  
Pick Up Price: \$ 12.33

**Roller Base Sprinkler with 1" Feed**

- Sturdy 22" metal roller base sprinkler
- One inch full/part circle brass impact sprinkler
- Well suited for large landscape irrigation requirements, pastures, and waste water treatment



**Item #437910**  
Price: \$ 178.86

**Item #439230, Plastic**  
Price: \$ 6.48  
Pick Up Price: \$ 5.94

**Rotary Head with Plastic Spike Model #265-PS**

- Adjustable dual-arm rotary sprinkler
- Flow-through plastic spike

**Item #439222**  
Price: \$ 4.70



**Item #439226 Plastic**  
Price: \$ 14.76  
Pick Up Price: \$ 13.50

**16 Jet Duo Oscillator, Model #553**

- Gear driven
- Switchable from oscillating spray for lawns to gentle mist for gardens
- Adjustable coverage from 2,750 to 210 square feet
- 16 jet spray and 5 fine sprays

**Item #439229**  
Price: \$ 19.49  
Pick Up Price \$ 18.00



**Tri-Pod with Pulsating Sprinkler**



- Foldout tripod is collapsible for easy storage
- Connects with any standard garden hose
- Wide tripod base for stability
- Rugged galvanized steel construction assures long life

**Item #439254**  
Price: \$ 75.00

**Metal Stakes**

**Item #439216**

- Flow through to allow in-series connection
- Heavy-Duty metal base
- 3/4" female outlet
- Standard 3/4" female inlet

Price: \$ 2.80



# IRRIGATION SUPPLIES



## Hose End Fertilizer Feeder FF2000

- Designed to work with most sprinklers
- Extra capacity bottle holds over 3 lbs of water soluble fertilizer
- Impact resistant, rust proof polymer head
- Includes 2 ft Flexogen hose for connection to sprinkler

#439233 \$ 17.95



**Close Out!**



## Hose End Sprayer Model #362

- No pre-mixing required
- Metering dial selects from 16 mixing ratios; 1 teaspoon to 10 table-spoons
- Sprays up to 100 gals
- Operates on water pressures ranging from 40 PSI to 60 PSI



#439237 \$ 16.50

## Gilmour Water-Timer 9200

Dial can be set for automatic shut-off at any point up to 700 gallons or 4 hours. Includes manual on/off settings.



#439235 \$ 9.95

## Gilmour 4TW Power Flow Nozzle

- Adjustable spray (cone, sharp stream, full action)
- Hot or cold water use

#439234 \$ 12.00

## Adjustable Nozzles

- Good for watering nursery stock and new sod installations
- Durable plastic with rubber tip guard
- Maximum 100 psi



#439282 3/4" \$ 24.75

#439266 1" \$ 28.00

#439259 1 1/2" \$ 40.00

#439251 2" \$ 49.95



**tregator**  
slow release watering  
bags for trees & shrubs

Tregator® is a slow release watering system for new trees. Tregator® Bags save you time, money and effort, all while properly and efficiently watering your new trees.

Other products may look like, or even claim to work as good or better than a Tregator® ...But Tregator® is the ONLY one that has been used and trusted by industry professionals worldwide since 1991.

## Tregator Jr.

- Ideal for new trees or shrubs with branches at least 6" off the ground
- Holds 15 gallons
- Waters for 5 to 8 hours
- Fits up to 6" caliper (dia.) trunk
- Removable emitters



## Item #434545 - Jr

Price: \$ 16.50

Pick Up Price: \$ 14.96

## Tregator Portable Drip Irrigation

- Ideal for new trees with branches at least 25" off the ground
- 1 bag holds 20 gals; 2 bags zipped together holds up to 50 gallons
- Water for 5 to 9 hours
- Fits min 1" to max 8" caliper (dia) trunk



## Item #434544

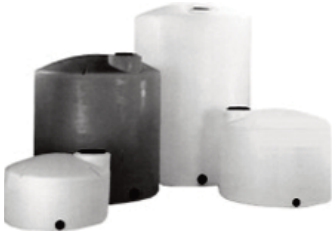
Price: \$ 18.49

Pick Up Price: \$ 16.47



# IRRIGATION SUPPLIES

## Vertical/Horizontal Tanks



165 gl	#437507	31" diameter x 55" Height
500 gl	#439030	48" diameter x 72" Height
550 gl	#439001	64" diameter x 46" Height
750 gl	#439012	48" diameter x 102" Height
1000 gl	#439002	64" diameter x 79" Height
1100 gl	#439037	87" diameter x 51" Height
2500 gl	#439039	95" diameter x 89" Height
3000 gl	#439038	95" diameter x 107" Height

Call for Pricing

## Mini Bulk Tanks

220 gl #439006  
Call for Pricing



## Horizontal with Legs

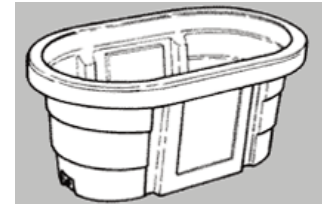
325 gl #438029	38" diameter x 68" Length
525 gl #439028	49" diameter x 71" Length
725 gl #439003	49" diameter x 101" Length

Call for Pricing

## Poly Stock Tanks

2x1x4 #444100  
2x2x4 #439004  
2x2x6 #439025

Call for Pricing



## Poly Pick-Up Tanks

210 gl #439043
325 gl #439031
425 gl #439045

Call for Pricing

## Galvanized Stock Tanks

2x2x4 #437005

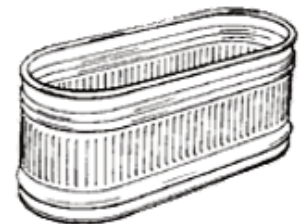
Call for Pricing



## Elliptical with Legs

1035 gl #439026	79" W x 53" H x 89" L
2035 gl #439448	84" W x 55" H x 142" L
1635 gl #439029	71" W x 57" H x 142" L

Call for Pricing



## Tank Fittings

- Double-sided threads
- Standard with EPDM gasket

Assorted sizes  
available - call for pricing



## Honda Pumps

2" - 4 HP, #439367

3" - 5 HP, #439368

# LINE MARKING SUPPLIES

## Marking Chalk



### ALL PRO PLUS Athletic Field Marking Chalk

***The Whitest Compound Available!***

*Stands out on crushed limestone. Made from the highest quality calcium carbonate (marble dust). Conforms to all safe-use requirements of the consumer safety act, NCAA & NFSHA official rules and all known Little League rules for athletic marking materials.*

**Packaged in 50 lb. bags**

*(1) 50 lb. bag of chalk will stripe approximately 300' of a 3" wide and 1/16" thick line.*

- Specially formulated blend of crushed white calcium carbonate
- Ideal for use as a line marker for any outside sports activities where lines must be visible to players, spectators and officials
- Non-irritating to eyes & skin. Will not harm soil or vegetation

**Item #435160**

Call For Pricing

## Dry Line Making Machines

### “Sweet Spot” Lever Stop

The “Sweet Spot” allows the user to save their preferred flow rate based on the characteristics of their material. No more on/off, now you can find your *Sweet Spot*.

**Item #435191 All Star Marker (Pneumatic)**

**Item #435190 Little Tuffy Line Marker**

## Stencils / Marking Guides

### STENCILS NFL Number Set #431039

Includes 0 thru 5 & directional arrow  
Call for Pricing

### MARKSMART ATHLETIC FIELD LINING SYSTEM

*The smart way to mark your fields. Maintain exact field dimensions, save valuable time and eliminate repeated measuring and staking of your fields with this unique lining system. Simply locate your starting point, insert ground sockets flush to the ground, measure your remaining line intersections and locations and you are ready to line your field! Insert lining pegs into ground sockets, attach string and paint away! Lining pegs are removable for safety.*

**A time saving tool for the grounds crews - great for schools, park districts and clubs.**

**FOOTBALL FIELD SET #431067**

**BASIC FIELD SET #431009**

**SOCCER FIELD SET #431001**

### OTHER MARKING/STENCIL KITS AVAILABLE

**CALL YOUR CERTIFIED TURF SPECIALIST  
FOR MORE INFORMATION**

# LINE MARKING SUPPLIES

## Aerosol Athletic Field Paint

### Athletic Aerosol Paint

Formulated to last long, remain bright and not to harm grass or any sports field covering. Get up to 4,400 feet of 3" wide stripe per case! 12 cans per case.

#435280 White

#435285 Hot Orange

Also Available in Yellow, Red, Blue, Green & Florescent Yellow

Call for Pallet Pricing



## Aerosol Traffic Paint

### Fox Valley Athletic Super Stripers

All you need to make bright crisp lines on football soccer, baseball or other sports fields!

Makes 2" to 5" wide lines. 3 can holder for on board storage. Giant 10" wheels. Adjustable guide arrow.

#435192 \$ 65.00



## Aerosol Traffic Paint



**ALL APWA COLORS AVAILABLE!!**

Easy Marker Handle  
#435200 \$ 21.00

Easy Marker Pistol  
#435210 \$13.50

### Easy Marker Paint

Simply drop the paint cartridge in the easy marker Handle or Pistol and away you go! No clogging, can empties every time and there is over 1,500 linear feet per can.

- |                            |                       |
|----------------------------|-----------------------|
| #435230 White              | #435265 Hot Pink      |
| #435240 Yellow/Utility     | #435260 Blue          |
| #435244 Green Safety       | #435270 Silver        |
| #435245 Nature Green       | #435258 Safety Red    |
| #435250 Hot Orange         | #435288 Handicap Blue |
| #435256 Blazing Red Orange |                       |

## Aerosol Striper

### Stripers - Paint

**Fox Valley Athletic #435192, \$65.00**  
All you need to make bright crisp lines on football, soccer, baseball or other sports fields. Make 2 - 5" wide lines, holds 3 cans on board, giant wheels, adjustable guide arrow.

**Fox Valley Traffic #435193, \$65.00**  
Makes 2 - 5" wide lines. Sports a wind screen weighted body design, holds 3 cans on board, guide arrow, side-striper and speed indicator.

**Seymour Athletic #435194, \$95.00**  
Heavy duty all steel, carries 12 additional cans.

**Seymour Traffic #435196, \$95.00**





# LINE MARKING SUPPLIES

## STADIUM® Line Marking Paint®

### Our Best Quality Paint!

Specifically formulated for athletic fields, **Stadium®**:

- Brings you bright lines at high dilution rates (1:3 to 1:5)
- Is easy to use and pours & mixes easily with water
- Is long lasting, will not harm turf, uniforms or athletes

**Stadium®** Colors can be used from 1:1 dilution with water up to 1:6. For high quality grass stencil work use at between 1:1 and 1:3. For line marking use at 1:4 to 1:6

**#435140 - Bright White 2x2.5 gallon**

**#435105 - Yellow 2x2.5 gallon**

## HomeField Advantage®

Conserv FS' **HomeField Advantage®** Marking Paints are easy to pour and apply and mixes easily with water. It is long lasting, will not harm Turf, Uniforms or Athletes. 5 gal pails come in White & Yellow.

Custom colors available

**#435150 White #435155 Yellow**

**#435154 Blue #435152 Red**

**#435156 Orange**



## Conserv FS Marking Paint®

Our economy athletic field marking paint offers you an easy to pour and apply paint that mixes at a 50/50 rate. It is long lasting, will not harm Turf, Uniforms or Athletes. Comes in 5 gallon pails - White only. **Item #435151**



## I Go Striper!

- High pressure system for consistent application of paint.

- Pre-drilled spacer holes for easy and simple line width changes

- Extendable front forks for even more flexibility

- Easily removable battery for flexible re-charging options

- Easy accessibility to all parts allows for simple maintenance



**Striper, Item # 435406**

**Hand Spray Lance, Item # 435404**

## Impact XP: For use with the I GO Striper

### It's In the Bag!

- Ready-to-use highly concentrated liquid paint

- NO water, No mixing, No Pouring needed

- Over-makes a standard soccer field from .26 gallons per field!

- Marks out both grass and hard surfaces

- Surface dry with in 10 minutes in normal conditions



**Item # 435401**

## Jiffy Model 5000

- Big in versatility, handles all athletic field and pavement striping jobs equally well

- Brass spray system eliminates rusting

- 3 1/2 HP Briggs and Stratton engine powers a trouble-free diaphragm compressor, which produces 3.2 CFM @ 40 PSI

- Large 7 gal stainless steel tank for less refills and easy cleanup

- Easy-to-clean filter system eliminates time consuming clogging





# SAFETY SUPPLIES

## Hard Hat



#560190 \$ 8.95

## Lightning Ear Muffs

Noise reduction rating 31 decibels.



#560180  
\$ 26.95

## Gerson Nuisance Dust Mask

Provides relief from irritation caused by nontoxic nuisance dusts. *Not a respirator, does not provide lung protection.*



50 masks/box  
#560151 \$ 7.50

## Pesticide Respirator

Provides relief from irritation caused by nontoxic nuisance dusts, also providing lung protection.



#560165 \$19.50/ea

## White Pesticide Flags

100/ bundle

#437184 \$ 12.80

## Flagging/Marking Tape



#434261, \$ 1.45 /ea

## PVC Gloves 12"

#560210  
\$ 3.03/Pair



## Green Chemical Gloves 13"

#560205  
\$ 2.30/Pair  
\$ 2.15/pair/Dz



## Nitrile Gloves

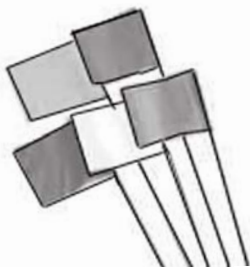
#430514  
\$ 15.50/100



## Marking Flags

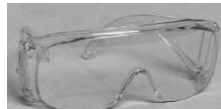
Colored: Hot Pink, Yellow, Red, Hot Orange, Purple, Lime Green & White, 100/ bundle.

#434263  
\$ 9.60



## Safety Glasses

#560160 \$ 2.25



## Safety Glasses Vented

#560172  
\$ 2.50/ea



## Millennia Safety Glasses



#560161, Clear  
\$4.95/ea

#560162, Tinted  
\$ 5.95/ea

## Speriam Sport Gray Safety Sunglasses

#560158  
\$ 3.95/ea

## 18" Orange Safety Cones



#560156  
\$10.50

## Caution Tape

3" x 1000'  
#560252, \$ 13.98



## First Aid Kit Jr.

#560140  
\$ 10.25



## Safety Vests

100% polyester dayglow orange or lime green mesh fabric. Side ties. 3M™ White reflective stripes front and back. (1) size fits all.



Price\$ 9.95  
#436250 Orange  
# 436251 Lime Green

## Oil Dry / Zorb - All

50 lb Bag

#324516 \$ 7.84/bag

## Saline Eye Wash, 16 oz

#460185  
\$ 6.95/ea



## Corded Ear Plugs

#560184, \$50.00/100 Pairs



## Trauma Bag

#560145, \$ 37.58/ea



# PRO-MIX / PEAT MOSS



## PRO-MIX 'BX' with Mycorrhizae

A "general purpose" peat-based growing medium with vermiculite and perlite, used for the cultivation of a wide variety of plant species. MYCORISE® PRO ensures stronger, healthier plants due to more developed root systems and better fertilizer uptake. **Size:** 3.8 cu ft; and 2.8 cu ft

#434361, 2.8 cu ft Price: \$ 14.96, P/U Price: \$ 13.80

#434371, 3.8 cu ft Price: \$ 31.68, P/U Price: \$ 27.98

*3.8 cu While Supplies Last, Replace with 434352*

## PRO-MIX 'HP' with Mycorrhizae

High porosity growing medium. Professional growing medium for the cultivation of horticultural greenhouse plants. The light weight and high porosity of this formula provide optimum conditions for establishing plant growth, especially when growing situations require high air-capacity and low water-retention media. PRO-MIX 'HP' is ideal for use with water-sensitive crops, propagation of cutting and/or low-light growing conditions. **Size:** 3.8 cu ft; and 2.8 cu ft

#434363, 2.8 cu ft, Price: \$ 13.86, P/U Price: \$ 13.44

#434376, 3.8 cu ft, Price: \$ 30.84, P/U Price: \$ 28.60

*3.8 cu While Supplies Last, Replace with 434352*

## PRO-MIX 'PGX'

Plug and germination growing medium. Peat based growing medium for germination and growing on with plug systems.

Ornamental and vegetable seed-lings growing in plugs are raised under high-density conditions, which means developing root systems are limited to the confines of the plug cell. This type of culture requires a highly specialized medium that can provide optimum physical and chemical properties to promote seedling growth. **Sizes:**

#434366, 2.8 cu ft Price: \$ 16.97, P/U Price: \$ 15.71

#434365, 3.8 cu ft Price \$ 39.55, P/U Price: \$ 36.16

## Peat Moss

## Item# 434304

A natural, organic product harvested from PREMIER's select bogs. Its fibrous consistency improves the structure of all soil types (i.e., loam, sand and clay) by improving aeration & increasing drainage to promote plant root development. A high water retention so gardeners water less often. These properties form an ideal soil amendment for all planting and gardening needs.

**Size: 3.8 cu ft compressed**

Price: \$ 9.77 P/U Price: \$ 9.02

# PRO-MIX / PEAT MOSS

**NEW - Biofungicide™ + Mycorrhizae™**



## PRO-MIX® BIOFUNGICIDE™ + MYCORRHIZAE™

PRO-MIX® Biofungicide™ + Mycorrhizae™ is a unique growing medium combining the most advanced technologies in bio-additives. For the first time, growers can benefit from the protection of a high-quality biofungicide working in synergy with the growth enhancement qualities of the only 100% contaminant-free mycorrhizae in the market, available only from Premier Tech Horticulture.

**Available in 3.8 Cubic Bales Only**

**BX Plus, Item# 434352 Price: \$ 32.34 P/U Price: \$ 29.55**

**HP Plus, Item #434368 Price: \$ 32.01 P/U Price: \$ 29.84**

## What is Biofungicide™ & Mycorrhizae™

A beneficial vesicular-arbuscular endomycorrhizal (VAM) fungus (*Glomus intraradices*) that is found naturally in soils around the world. It forms an association, or symbiosis, with the roots of many plants including many vegetables, ornamental greenhouse plants, fruits, trees and shrubs.

Most crops benefit including greenhouse ornamentals, vegetable transplants, perennials, containerized nursery crops, as well as fruit and nut crops. It takes 3-4 weeks for plant roots to be fully colonized by advanced growing mediums. After this time, plants will begin to display slightly improved growth. Most plant benefits are realized towards the end of the crop cycle. Improved overall growth is most evident when plants are subjected to stressful growing conditions and/or transplanted outdoors into soil. Short-term greenhouse crops, such as bedding plants, plugs and potted plants may not display growth benefits within the crop cycle; however, customers that purchase these plants for transplanting into gardens, planter boxes etc. will recognize superior plant performance and improved overall growth.

## What are the benefits of Biofungicide™ & Mycorrhizae™

More efficient acquisition of water and nutrients (particularly phosphorus, copper, zinc, and manganese).  
Increased resistance to stresses related to transplanting, nutrition and drought.  
Improved plant survival after outplanting into gardens and field soil.  
Increased crop vigor, plant quality and quantity of flowers/fruit.



# WINTER SALT PRODUCTS

## Ice Melter FAQ'S

### \*Counteract Salt DAMAGE!

Make an application of Gypsum at a rate of 20 to 40 lbs per 100 sq ft in late fall prior to snowfall. The gypsum will help soil drain away harmful impurities.

### \*How do de-icers work?

- First, your de-icer must create a brine solution with a lower freezing point than that of the surrounding ice and snow. Not all deicers create a this solution in the same way. Some like Calcium Chloride, create their own heat by chemical reaction. Other deicers must first absorb heat.

- It is this brine solution that melts ice and snow. The solution continues to work until it becomes diluted to a point that is no longer effective. The de-icer then must be reapplied.

If snow is more than 2 inches deep, plow or shovel first, then spread the de-icer. Never apply directly to trees, shrubs, flower beds, ground cover, or turf areas. Some de-icers can cause burn or damage to plant material. *Always be sure to follow all label instructions when applying ice melters.*

### \*Do de-icers attack concrete?

Most de-icers do not chemically attack concrete. Scaling and spalling of concrete is caused by moisture, thawing and refreezing (referred to as freeze/thaw cycles). However, good quality, air entrained concrete is resistant to scaling and spalling during freeze/thaw cycles.

### \*Can de-icers be used on NEW concrete?

It is not recommended to use de-icer on concrete that is less than 1 year old. Concrete can take up to a year to fully cure. If a de-icer must be used, it is at the risk of the user. It is then advised that the de-icer be used very sparingly, and once it has penetrated the ice and snow, the slush should be removed immediately to minimize any possible damage to the surface.

## Calcium Chloride Pellets #445014

"The Heat is On!"

Instantly generates heat on contact with ice and snow forming a brine solution that produces a rapid melting action, actually 3 1/2 times faster than that of rock salt. The concentrated melting power of pellets penetrates ice fast, lasts long, and leaves no white powdery residue. Effectively works down to below -30° F. **RATE:** 2 to 4 oz per sq yd, **SIZE:** 50 lb bag

## ICE AGE

#445017

### Conserv FS's Own

A blend of sodium chloride, calcium chloride, & magnesium chloride. Ice Age™ contains a patented accelerator that speeds conversion of dry ice melting salts to liquid brine, this process results in faster melting action and a safer surface in less time. Ice Age™ also contains anti-caking agents, blue pattern indicator, and is an effective ice melter at a very economical price.

**RATE:** Covers to 7,500 sq ft  
**SIZE:** 50 lb bag



## CMA

#445088/ 445081

Is an anti-icing agent that prevents the bonding of ice and snow to pavement surfaces making snow and ice removal alot easier. It is used in certain applications because of its extremely low corrosion rate, low toxicity for vegetation & animals. It biodegrades very quickly in the field. Not a true ice melter so it is quite costly one to use. **SIZE:** 55 lb drum; 1400 lb tote

## Calcium Chloride Flakes

#445011

Primarily the same product as pellets, but in a flat flake form. Melts ice and snow the same way as pellets do by creating its own heat as it goes into solution. Works to temperatures as low as below -25° F. Can also be used for dust control, speeding set up of concrete, and weighing tractor tires. **RATE:** 2 to 4 oz per sq yd **SIZE:** 50 lb bag



Peladow generates heat making it more effective at colder temperatures than other materials which only draw heat from their external environment.

**Exceptional across a wide range of temperatures!  
Attracts moisture to speed up melting action!**



# WINTER SALT PRODUCTS

## Lightning Premium Ice Melter #445076 "Advanced Wet Salt"

Break through slippery sidewalks with the power of Lightning! Half the work is done when you apply this wet salt, reduces application rates, and gets you to a clean surface FASTER!



**BLUE De-icer is Visible & Effective**  
SIZE: 50 lb bag

## MAC #445056 Contains Activar & CMA

Attacks ice and snow, but it's harm stops there. Endothermic melting actions does not release heat. Safer for carpets, floors, leather footwear & metal surfaces.

SIZE: 50 lb

## Magnesium Chloride Flake #445082 "Mag Flake"

Is a flat white crystal that melts ice effectively to temperatures as low as below -25° F.

- Low toxicity, vegetation safe
- Leaves no slippery residue

SIZE: 48 lb

## Magnesium Chloride Pellet #445082 "Mag Pellet"

Spherical white pellet that melts ice effectively to temperatures as low as below -25° F.

- Low toxicity, vegetation safe
- Works well in spreaders

SIZE: 50 lb

## Mountain Organic #445002 Effective to -23 degrees!

- Concentrated poser begins to work immediately
- Organic Natural Icemelter **SAFE** on concrete & vegetation
- Clean to use, leaves no oily residue



SIZE: 44 lb bag

## Power Green #445084

Formulated with cutting edge bio-based accelerator that significantly improves melt value, acts as a natural anti-caking agent and provides a coverage indicator.

SIZE: 50 lb

## Rock Salt/Halite #445020

A unique blend of large and small sodium chloride crystals. Small crystals melt instantly while large crystals give lasting action.

Provides economical performance effective to 5°F

All Natural, No Additives

Mined from deep within the earth

RATE: 8 oz per sq yd

SIZE: 50 lb

## Sizzle #445071

Effective as low as -25 degrees!

Optimum blend of calcium Chloride and Premium Sodium Chloride. Melts faster and longer than rocksalt alone. Visible Ice Melt blend is **Lavender** in color, to lower the risk of over application.

Blended

Exclusively for:

SIZE: 50 lb



## Titan Blue # 445075

Exceeds melt value of rock salt by 28%. Does not damage vegetation or concrete.

- Performance of a calcium chloride blend
- Made with Propel™ patented accelerator.

SIZE: 50 lb bag



## Triple Melt with Activar™ #445047

The most effective ice melt blend combined with Activar™ to speed the conversion of the dry ice melting salt to a liquid brine. Simply put, faster melting action. Triple Melt with Activar™ will start melting faster than any other similarly formulated blend on the market today.

RATE: 1/4 to 1/2 cup per sq yd

SIZE: 50 lb bag



# WINTER SALT PRODUCTS

## UREA

#550540

Fast acting, safe to vegetation when used as directed. Not as corrosive as many other ice melters. Used by airports because it will not pit and corrode aluminum. Also is used on helicopter landing pads and auto parking garages. Effective to 20° F

**RATE:** 1/4 lb (1 cup) per sq yd. **SIZE:** 50 lb bag; Also available in 1,000 lb Super Sacks, and in bulk 4 to 22 tons

## WinterGreen Pellets

#445078

**Gentle on vegetation and has a greening effect!**

Designed specifically to combat the problem of grass & vegetation damage. This pellet is a combination urea and calcium chloride that in brine form, converts to slow release nitrogen fertilizer once it enters the soil! **Size:** 40 lb Bag

**Powerful Melting - Fertilizing Properties**

(Also available as a liquid de-icer)

## Zero Ice

#445030

Combines selected ice melting compounds that economically and effectively melt ice and snow below zero degrees. Works fast and helps prevent refreezing. When used as directed, Zero Ice will not harm grass, concrete, carpet, or shoes, provides traction on slippery surfaces. **Rate:** 1/4 lb (1 cup) **Size:** 50 lb bag

## Liquid De-icing Products

### Liquid Calcium Chloride

The practice of anti-icing involves the application of a very thin layer of calcium chloride prior to a predicted snow or ice storm. Liquid calcium chloride inhibits the bonding of snow and ice to the pavement, making it easier for snowplow crews to clear roads down to bare pavement.

**Item #445018 55 Gallon Drum**

### Select Liquid De-icer

A high performance potassium acetate based liquid de-icer. In commercial application, it can be used in areas where dependability is a must and environmental impact needs to be minimal. SELECT is biodegradable, has low toxicity, low corrosion, and is effective at temperatures below -15° F.

**#445059 5 Gallon Dense Pak**

**#445054 55 Gallon Drum**

**#445097 250 Gallon Tote**

Truck loads also available

## Triple Melt Liquid De-icer

Applying Triple Melt® Liquid to sidewalks and traffic areas prior to a winter storm, prevents the bonding of snow and ice to the concrete. Light snows will melt on contact and heavy snows will be much easier to remove.

**#445102 5 Gallon Dense Pak**

**#445103 250 Gallon Tote**

Truck loads also available



## WinterGreen Liquid De-icer

**Gentle on vegetation and has a greening effect!**

The first vegetation-positive de-icer. With the melting power of liquid calcium chloride, this patented formulation has been proven to not only be gentle on vegetation but can actually have a greening effect.

**#445100 5 Gallon Dense Pak**

**#445010 250 Gallon Tote**

Truck loads also available

## Caliber™ M1000

### Anti-Icing, De-icing and Pre-wet Agent

Provides a variety of applications in one, non-toxic, cost effective. Superior "anti-bonding" properties, allowing removal of snowpack with simple plowing. When applied in a stream pattern, Caliber M1000 vertically penetrates the snowpack and breaks the bond at the road surface. As a pre-wetting agent for salt and sand, bounce and scatter is reduced, and the speed at which salt begins working is increased.

Additionally, Caliber M1000 also reduces corrosion, inhibits crystal formation and product fallout at lower temperatures, and improves roadway traction when compared to other liquid products.

**Item #445092 55 Gallon Drums Non-Returnable**

**Item #445093 250 Gallon Totes**

## Glacial Technologies NC-3000

### Non-Chloride De-Icer

A clear, green/blue, high performance liquid designed for roadway use, automatic bridge systems, parking structures, and is an ideal alternative for use in sensitive landscape areas, parks, trails, sidewalks, storefronts, as well as residential use. Ideal alternative to traditional chloride salt deicing chemicals in those applications in which corrosion or environmental damage is a concern. NC-3000 maybe used both as a deicing agent to melt ice deposits and aid in their removal, and as an anti-icing agent.

**Item #445094 55 Gallon Drums Non-Returnable**

**Item #445095 250 Gallon Totes**

# WINTER SALT PRODUCTS

## Bulk Salt



**Rock Salt De-icing Road Salt  
#445040**

**Dump Unloading**

**-or-**

**Pick up Semi-loads**

**22 - 24 Ton per Dump**

*Dump unloading, or conveyor available upon request*

## High Performance Treated Bulk Salt

**Lightning Premium Ice Melt  
#445245 *Powered By Fusion!***

**LIGHTNING™**

**Advanced Wet Salt!**

Break through slippery black ice with the power of Lightning! Blue de-icer that is visible and effective. Advanced liquid formula improves salt performance.

***Reduce Application Rates!***

***Gets You to a Clean Surface Faster!***

***Extreme Melting Power at Extreme Temperatures!***

**Thunder Melt #445235**

**THUNDER MELT™**

**Melt More, Spend Less!**

With environmental, costs, and safety pressures growing, Thunder Melt is the solution for both you & your customers. It is the highest performing treated salt on the market. Coated with calcium chloride and a patented bio-based agent, Thunder Melt melts faster and lasts longer while reducing your costs and the damaging effects of salt.

***Gets you to a safe surface faster!***

***Lasts longer with less product application!***

***Resistant to wind and bounce, it stays put!***

**Thawrox**

**Item # 445235**

*Contains magnesium chloride and a viscosity modifier that increases effectiveness. This means better, longer-lasting, more targeted treatments.*

# WINTER SALT PRODUCTS

## Our Facilities

4304 S Beaumont Ave  
**Kansasville, WI 53139**  
 (262) 878-2048

1925 S Meridian Rd  
**Rockford, IL 61102**  
 (815) 963-7669

27310 W Case Rd  
**Wauconda, IL 60084**  
 (847) 526-0007

14937 IL Route 76  
**Caledonia, IL 61011**  
 (815) 765-2571

20048 Webster Rd  
**Dekalb, IL 60115**  
 (815) 756-2739

7851 183rd St  
**Tinley Park, IL 60477**  
 (708) 532-4723

20515 Harmony Rd  
**Marengo, IL 60152**  
 (815) 568-7211

- > Multiple locations for quick product pick up, or delivery!
- > Fork lift delivery available!
- > Over 20,000 bags of Peladow Calcium Chloride in stock!



**Certified Turf Specialist**



- > Conserv FS is home to your Certified Turf Specialists which means you are working with a partner who stays informed and can bring you the best solution for your ice melting challenges.
- > In an industry where many claims are made about product contents and their activation temperatures, you can be sure to get honest answers from your Certified Turf Specialist or Conserv FS Product Specialists.

## Know What You're Buying!



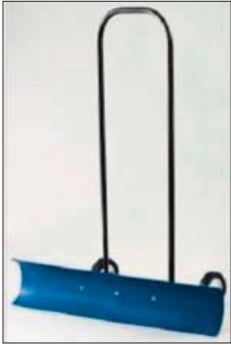
## Know Who You're Working With!

### 11 Product Specialists To Serve You!

Mike Butler, CTS	Kansasville, WI	(262) 206-3706
Kurt Arndt, CTS	Rockford, IL	(815) 703-4143
Jeff Miller, CTS	Wauconda, IL	(847) 815-5742
Don Michaels, CTS	Wauconda, IL	(847) 815-5671
Chris Smith, CTS	Wauconda, IL	(847) 815-5636
Kevin Posner, Specialist	Wauconda, IL	(847) 593-0423
Denny Ellingson, CTS	Caledonia, IL & Dekalb, IL	(815) 703-5461
Jim Brower, CTS	Tinley Park, IL	(708) 532-4723
Scott Armstrong, CTS	Tinley Park, IL	(708) 935-3576
Kyle Jungers, Specialist	Tinley Park, IL	(217) 778-0023



# WINTER SALT PRODUCTS



**30SNC by Snowcaster**  
Item# 437038

- > Reduce fatigue, no lifting
- > Blade dimensions, 7.5" w x 36" h
- > 50% More efficient than shovels
- > Angled blade for "wind rowing"
- > Assembles in less than 10 min

**Price:** \$ 54.76  
**Pick up Price:** \$ 50.32



**70SNC by Snowcaster**  
Item# 437034

- > Heavy Duty contractor's model
- > Blade dimensions, 10.5" w x 36" h
- > 50% More efficient than shovels
- > Bi-directional blade, angled
- > Assembles in less than 10 min

**Price:** \$ 98.60  
**Pick up Price:** \$ 91.80



**PP100 Blizzard Buster**  
Item# 437530

- > Poly D Grip
- > ABS head type
- > High density, non-stick plastic

**Price:** \$ 23.68  
**Pick up Price:** \$ 21.92



**PS200 Poly Scoop**  
Item# 437525

- > Poly D Grip
- > ABS head type
- > 44" Fiberglass handle (better than wood)

**Price:** \$ 23.84  
**Pick up Price:** \$ 21.92



**Ice Chisel**  
Item# 438190

- > Break through tough spots
- > 3 3/4" x 6" Socketed pattern
- > Industrial gauge forged steel
- > 48" Ashwood handle

**Price:** \$ 28.12  
**Pick up Price:** \$ 25.84



**Conserv FS Snow Scoop**  
Item# 437478

- > ABS plastic head type
- > 15.25" x 19" scoop
- > 29" hard wood handle
- > Poly D Grip

**Price:** \$ 25.57  
**Pick up Price:** \$ 23.50



**Aluminum Snow Scoop**  
Item# 438135

- > 14.75" x 18.75" Blade
- > 12" Aluminum scoop
- > 29" Ash wood handle
- > Steel/wood D Grip

**Price:** \$ 38.74  
**Pick up Price:** \$ 35.62



**Earthway 2130**  
Item# 439299

- > Large 13" x 4" stud tires
- > High output 65 lb hopper
- > Rust proof poly protection

**Price:** Contact your Conserv FS Product Specialist

# SEED/GRASS

The varieties in Conserv FS' **LEGEND®** Professional Turf Grass Seed are specifically chosen to co-mingle for superior performance. Only the best and finest varieties are picked by our *Certified Turf Specialists* and **GROWMARK** to be blended into our **LEGEND®** mixes.



## **LEGEND® SUPER PRO ELITE**

### **THE BEST OF THE BEST IN SPORTS TURF**

Rush Kentucky Bluegrass  
 Rugby II Kentucky Bluegrass  
 Everest Kentucky Bluegrass  
 Award Kentucky Bluegrass  
 Beyond Kentucky Bluegrass  
 CSI Perennial Ryegrass Blend  
 Revenge GLX Perennial Ryegrass  
 Grand Slam Perennial Ryegrass

*New!*

**SuperPro Elite** with Rush is the only Bluegrass variety bred specifically for competitiveness with Poa Annua. CSI Perennial Ryegrass has spreading growth habits & the highest disease ratings of perennial ryegrasses tested to date!

## **LEGEND® SPORT MIX**

### **50% ELITE KY BLUE 50% PERENNIAL RYE**

Appalachian Kentucky Bluegrass  
 Katie Kentucky Bluegrass  
 Ruby II Kentucky Bluegrass  
 Tophat 2 Perennial Ryegrass  
 Regal 5 Perennial Ryegrass

- \* Establish Quickly
- \* Excellent Over Seeder
- \* Excellent Seedling Vigor
- \* Excellent Wear Tolerance
- \* Good Spring Green-Up
- \* Great for Renovating
- \* Medium Dark Green Color
- \* Low Maintenance Turf

## **LEGEND® ATHLETIC MIX**

### **60% ELITE KY BLUE 40% PERENNIAL RYE**

Rugby II Kentucky Bluegrass  
 Geronimo Kentucky Bluegrass  
 Harmony Kentucky Bluegrass  
 Tophat 2 Perennial Ryegrass  
 Keystone 2 Ryegrass

- \* Superior Over Seeder
- \* Establishes Quickly
- \* Excellent Seedling Vigor
- \* Superior Turf Quality
- \* All-Season Performance
- \* Great for Renovating

## **LEGEND® ATHLETIC SUPER PRO II**

### **70% ELITE KY BLUE 30% PERENNIAL RYE**

Rugby II Kentucky Bluegrass  
 Blue Chip Plus Kentucky Bluegrass  
 Perfection Kentucky Bluegrass  
 Arrowhead Kentucky Bluegrass  
 NuBlue Plus Kentucky Bluegrass  
 Top Gun II Perennial Ryegrass  
 Home Run Perennial Ryegrass

- \* Superior Over Seeder
- \* Establishes Quickly
- \* Excellent Seedling Vigor
- \* Superior Turf Quality
- \* All-Season Performance
- \* Great for Renovating

## **LEGEND® ATHLETIC SUPER PRO III**

### **100% ELITE KY BLUEGRASS**

Perfection Kentucky Bluegrass  
 NuDestiny Kentucky Bluegrass  
 Rugby II Kentucky Bluegrass  
 Solar Eclipse Kentucky Bluegrass  
 Arrowhead Kentucky Bluegrass  
 Blue Chip Plus Kentucky Bluegrass

- \* High Wear Tolerance
- \* Summer Density
- \* Close Mowing
- \* Excellent Seedling Vigor
- \* Superior Turf Quality
- \* All-Season Performance
- \* Disease Resistant

## **CONSERV FS SUNNY MIX**

98/85 Kentucky Bluegrass  
 Fine Perennial Ryegrass VNS  
 Creeping Red Fescue VNS

- \* Quick Establishment
- \* Economical

# SEED/GRASS SEED/MIXES/WILDFLOWER

## LEGEND® 5-WAY PERENNIAL RYE #440051

STOWLAWN Perennial Ryegrass  
 REPLICATOR Perennial Ryegrass  
 PLATINUM Perennial Ryegrass  
 PONDEROSA Perennial Ryegrass  
 ALL\*STAR 3 Perennial Ryegrass

Quick Establishment  
 Dark Green  
 Great Spring Greenup

High Wear Tolerance  
 Strong Disease Resistance  
 Excellent Turf Quality

## LEGEND® ELITE PERENNIAL RYE #440053

CSI Perennial Ryegrass  
 ASP 1001 GL Perennial Ryegrass  
 GRAND SLAM 2 Perennial Ryegrass

*New!*

Spreading Growth Habit  
 Outstanding Repair Ability  
 Quick Establishment

Great Turf Density  
 Strong Disease Resistance  
 Excellent Turf Quality

## LEGEND® ANNUAL RYE EVENT SAVER #440027

FINE LEAF ANNUAL RYE AXCELLA 2

Outstanding Quick Establishment  
 Dark Green

Establishes in 7 - 10 Days  
 Fine Texture

## LEGEND® 100% ELITE KY BLUEGRASS #440029

AWARD KY Bluegrass  
 NUDESTINY KY Bluegrass  
 RUSH KY Bluegrass  
 FREEDOM III KY Bluegrass  
 EVERGLADE KY Bluegrass

*New!*

Very Aggressive  
 High Wear Tolerance  
 Excellent Turf Quality

Resistance to Poa Annoa Encroachment  
 Dark Green  
 Very Good Winter Hardiness

## LEGEND® LOW MOW BLUE BLEND #440028

NUDESTINY KY Bluegrass  
 BLUE CHIP KY Bluegrass  
 EVERGLADE KY Bluegrass  
 PERFECTION KY Bluegrass  
 SOLAR ECLIPSE KY Bluegrass

Outstanding for Close Mowing  
 Strong Disease Resistance  
 Great Turf Density  
 High Wear Tolerance

Dark Green  
 Excellent Turf Quality  
 Outstanding Repair Ability

## LEGEND® SHADY MIXTURE #440050

MAXIMA 1 Creeping Red Fescue  
 KENBLU KY Bluegrass  
 EVORY KY Bluegrass  
 ESQUIRE Perennial Ryegrass  
 CASCADE Chewing Fescue  
 EUREKA II Hard Fescue

Great for Shade or Fall Sun  
 Drought Tolerance

Low Maintenance  
 Strong Disease Resistance

## LEGEND® DENSE SHADY MIXTURE #440048

MAXIMA 1 Creeping Red Fescue  
 CASCADE CREWING's Fescue  
 TOP HAT 2 Perennial Ryegrass  
 EUREKA II Hard Fescue  
 POA Trivialis, Sabre 4  
 BOREAL Creeping Red Fescue

Outstanding Shade Tolerance  
 Low Maintenance  
 Fine Texture

Excellent Turf Quality  
 Low Fertility Needs  
 Drought Tolerance

## LEGEND® 100% FINE FESCUE BLEND #440148

CASCADE CREWING's Fescue  
 MAXIMA 1 Creeping Red Fescue  
 Quatro Sheep's Fescue

Very Low Maintenance  
 Fine Texture  
 Dark Green

Low Fertility Needs  
 Drought Tolerance  
 Strong Disease Resistance

## LEGEND® LANDSCAPE MIX #440155

BLUE BONNET KY Bluegrass  
 ARK KY Bluegrass  
 TOP GUN II Perennial Rye  
 CADDIESHACH II Perennial Rye  
 VNS Creeping Red Fescue

High Wear Tolerance  
 Great Turf Density  
 Excellent Turf Quality

Dark Green  
 Outstanding Repair Ability  
 Very Good Winter Hardiness

## CONSERV SUNNY AXCELLA 40 KYBLUE MIX #440046

EVORA Kentucky Bluegrass  
 PLATINUM Perennial Ryegrass  
 MAXIMA 1 CREEPING Red Fescue  
 AXCELLA 2 ANNUAL Rye Grass

Quick Establishment  
 Good Turf Quality

Dark Green

# SEED/GRASS SEED/MIXES

## Pasture Mixes / Native Mixes

### Horse & Pony

Timothy  
Polly II Intermediate Tetraploid Per Rye  
Orchard  
Hardy Common Alfalfa Inoculated  
85/80 KY Bluegrass

### Horse & Pony Jumpstart Pasture Mix

Tetra-Rye Perennial Ryegrass  
Tetraploid Annual  
Festulolium

### Honey Buck Mix

Deer Feed Plot  
Purple Top Turnips  
Red Clover  
Crimson Clover  
Chicory  
Forage Brassica

### Low Grow Native Mix

60% Buffalograss  
20% Blue Grama Grass  
20% Sideoats Grama

### Medium Grow Native Mix

66% Little Bluestem  
17% Indiangrass  
17% Sideoats Grama

### Tall Native Mix

14% Big & Little Bluestem  
14% Indiangrass  
14% Sideoats Grama  
29% Eastern Gramagrass  
15% Switchgrass

Whether you want to grow and attract trophy whitetails, provide ideal bugging habitat for wild turkey polts, or attract hords of migratory waterfowl, Biologic has a scientifically proven wild game blend to help maximize your results in the field.

## Give Your Soil the Perfect Growing Medium!

Purdue University's Rob Eddy, Plant Growth Facilities Manager

*In our greenhouses we incorporate Turface into soil mixes to improve soil structure for plants that are going to be in containers for a long time. The incorporation also reduces or eliminates yellowing due to iron deviciencies in grasses and certain flowering polants like petunia and calibrachoa. It has emilinated the need for us to incorporate topsoil, which required labor-intensive digging, drying, grinding and pateur-izing. I have recommended Turface Calcined clay to my grower colleagues at other universities, institutions and agricultural companies.*



Solutions for your Environment™



Turface MVP Item #: 434500, 50# Bag





# SEED/GRASS SEED/MIXES/WILDFLOWER

## Wildflower Mixes

### MIDWEST MIXTURE

Coneflower, Purple  
Flax, Scarlet  
Cornflower, Dwarf  
Coreopsis, Lance-Leaved  
Gaillardia, Annual  
Daisy, Shasta  
Prairie Clover, Purple  
Poppy, Corn  
Coneflower, Grayheaded  
Coneflower, Clasping  
Black-Eyed Susan  
Coneflower, Prairie  
Mexican Hat  
Aster, New England  
Coreopsis, Plains  
Gayfeather  
Aster, Prairie  
Evening Primrose, Dwarf

Comes in 1lb, 5lb and  
50lb bags

**Planting Rate: 6-12 lbs/acre**

**Planting Times: Best times to plant are spring, early summer and late fall**

### BIRD & BUTTERFLY MIXTURE

Poppy, California  
Lupine, Perennial  
Wallflower, Siberian  
Candytuft, Annual  
Larkspur, Rocket  
Gayfeather  
Flax, Blue  
Coneflower, Purple  
Gaillardia, Perennial  
Cornflower, Dwarf  
Gaillardia, Annual  
Sage, Scarlet  
Coreopsis, Dwarf Red  
Mint, Lemon  
Black-Eyed Susan  
Alyssum, Sweet  
Coneflower, Prairie  
Coneflower, Dwarf Red

**Planting Rate: 10-20 lbs/acre**

**Planting Times: Best times to plant are spring, early summer and fall**

### LOW-GROW MIXTURE

Candytuft, Annual  
Cornflower, Dwarf  
Wallflower, Siberian  
Poppy, California  
Coreopsis, Dwarf Lance-Leaved  
Daisy, African  
Bluebell, California  
Godetia, Dwarf  
Alyssum, Sweet  
Evening Primrose, Dwarf  
Bellflower, Tussock  
Coreopsis, Dwarf Plains  
Coreopsis, Dwarf Red  
Pinks, Maiden  
Forget-Me-Not  
Poppy, Iceland  
Catchfly, Dwarf  
Johnny Jump-Up  
Snapdragon, Spurred  
Snow-in-Summer

Comes in 1lb, 5lb and  
50lb bags

**Planting Rate: 5-10 lbs/acre**

**Planting Times: Best times to plant are spring, early summer and fall**

### SHADE WILDFLOWER MIX

Baby Blue Eyes  
Candytuft, Annual  
Forget-M-Not, Chinese  
Coneflower, Purple  
Coreopsis, Lance/Leaved  
Baby's Breath, Annual  
Larkspur, Rocket  
Daisy, Shasta  
Pinks, Sweet William  
Chinese Houses  
Columbine  
Johnny Jump-Up  
Poppy, Corn  
Clarkia  
Snapdragon, Spurred  
Forget-Me-Not  
Bellflower, Tussock  
Monkeyflower

**Planting Rate: 1lb. 1,200 sq. ft.**

**Planting Times: Best times to plant are spring, early summer and fall - requires 1-4 hours of direct sunlight**

# SEED/GRASS SEED/MIXES/WILDFLOWER

## DEPARTMENT OF TRANSPORTATION RIGHT OF WAY SPECIFICATIONS STATE OF ILLINOIS

MIXTURE	SEED	LB/ACRE	MIXTURE	SEEDS	LBS/ACRE
1 Lawn Mixture	Kentucky Bluegrass	100	4B Wetland Grass and Sedge	Annual Ryegrass	25
	Perennial Ryegrass	60	Mixture 6, 8/	Oats, Spring	25
	Creeping Red Fescue	40		Wetland Grasses (Below)	6
1A Salt Tolerant Lawn Mixture	Bluegrass	60	<b>Species</b>	<b>% By Weight 5/</b>	
	Perennial Ryegrass	20	Blue Joint Grass	12	
	Audubon Red Fescue	20	Lake-Bank Sedge	6	
	Rescue 911 Hard Fescue	20	Awl-Fruited Sedge	6	
	Fults Salt Grass 1/	60	Tussock Sedge	6	
			Fox Sedge	6	
1B Low Maintenance Lawn Mixture	Fine Leaf Turf-Type Fescue 3/	150	Needle Spike Rush	3	
	Perennial Ryegrass	20	Blunt Spike Rush	3	
	Red Top	10	Fowl Manna Grass	14	
	Creeping Red Fescue	20	Common Rush	6	
2 Roadside Mixture	Inferno Tall Fescue or Tarheel II Tall Fescue	100	Slender Rush	6	
	Perennial Ryegrass	50	Torrey's Rush	6	
	Creeping Red Fescue	40	Rice Cut Grass	10	
	Red Top	10	Hard-Stemmed Bulrush	3	
2A Salt Tolerant Roadside Mixture 7/	Inferno Tall Fescue or Tarheel II Tall Fescue	60	Dark Green Rush	3	
	Perennial Ryegrass	20	River Bulrush	3	
	Audubon Red Fescue	30	Softstem Bulrush	3	
	Rescue 911 Hard Fescue	30	Cord grass	4	
	Fults Salt Grass 1/	60	5 Forb With Annuals Mixture	Annuals Mixture (Below)	1
3 Northern Illinois Slope Mixture 7/	Elymus Canadensis (Canada Wild Rye)	5		Forb Mixture (Below)	10
	Perebbauck Rtegrass	20			
	Alsike Clover 2/	5		Annuals Mixture—Mixture not exceeding 25% by weight of any one species of the following:	
	Desmanthus Illinoensis (IL Bundleflower) 2/, 5/	2		Sand Coreopsis	
	Little Bluestem	12		Shasta Daisy	
	Sideoats Grama	10		Blanket Flower	
	Fult Salt Grass 1/	30		Long-Headed Coneflower	
	Oats, Spring	50		Black-Eyed Susan	
	Slender Wheat Grass 5/	15		Forb Mixture—Mixture, not exceeding 5% by weight PLS of any one species, of the following:	
	Buffalo Grass (Cody or Bowie) 4/, 5/, 9/	5		Lead Plant 2/	Prairie Blazing Star
3A Southern Illinois Slope Mix 7/	Perennial Ryegrass	20		Thimble Weed	Prairie Bergamont
	Canada Wild Rye 5/	20		Butterfly-Weed	Wild Quinine
	Switchgrass 5/	10		Sky Blue Aster	Louse Wart
	Little Blue Stem	12		Smooth Aster	White Prairie Clover 2/
	Side-Oats Grama 5/	10		New England Aster	Purple Prairie Clover 2/
	White Prairie Clover 5/	5		White Wild Indigo 2/	False Dragonhead
	Black-Eyed Susan	5		New Jersey Tea	Prairie Cinquefoil
	Oats, Spring	50		Prairie Coreopsis	Yellow Coneflower
4 Native Grass 6/, 8/	Big Blue Stem 5/	4		Pale Purple Coneflower	Fragrant Coneflower
	Little Blue Stem 5/	5		Rattlesnake Master	Compass Plant
	Side-Oats Grama 5/	5		Downy Sunflower	Prairie Dock
	Canada Wild Rye 5/	1		Ox-Eye	Rigid Goldenrod
	Switch Grass 5/	1		Alum Root	Spiderwort
	Indiangrass 5/	2		Rough Blazing Star	Culver's Root
	Annual Ryegrass	25			
	Oats, Spring	25	<b>MIXTURE</b>	<b>SEEDS</b>	<b>LBS/ACRE</b>
	Perennial Ryegrass	15	5A Large Flower Native Forb Mixture	Forb Mixture (Below)	5
4A Low Profile Native Grass	Little Blue Stem 5/	5			
	Side-Oats Grama 5/	5		<b>Species</b>	<b>% By Weight - Note 5</b>
	Canada Wild Rye 5/	1		New England Aster	5
	Prairie Dropseed	0.5		Pale Purple Coneflower	10
	Annual Ryegrass	25		Downy Sunflower	10
	Oats, Spring	25		Ox-Eye	10
	Perennial Ryegrass	15		Prairie Blazing Star	10
				Yellow Coneflower	5
				Black-Eyed Susan	10
				Compass Plant	10
				Prairie Dock	20
				Rigid Goldenrod	10

# SEED/GRASS SEED/MIXES/WILDFLOWER

## DEPARTMENT OF TRANSPORTATION RIGHT OF WAY SPECIFICATIONS STATE OF ILLINOIS

MIXTURE	SEEDS	LBS/ACRE
5B Wetland Forb	Forb Mixture (Below) 6,8/	2
<b>Species</b>	<b>% By Weight - Note 5</b>	
Sweet Flag	3	
Angelica	6	
Swamp Milkweed	2	
Purple Stemmed Aster	10	
Beggarticks	7	
Spotted Joe Pye Weed	7	
Boneset	7	
Autumn Sneeze Weed	2	
Blue Flag Iris	2	
Cardinal Flower	5	
Great Blue Lobelia	5	
Winged Loosestrife	2	
False Dragonhead	5	
Smartweed	10	
Water Smartweed	10	
Mountain Mint	5	
Cut-leaf Coneflower	5	
Riddell Goldenrod	2	
Giant Burreed	5	

MIXTURE	SEEDS	LBS/ACRE
6 Conservation Mixture	Little Blue Stem 5/ Canada Wild Rye 5/ Buffalo Grass (Cody or Bowie) Vernal Alfalfa 2/ Oats, Spring	5 2 5 15 48

6A Salt Tolerant Conservation	Little Blue Stem Canada Wild Rye Buffalo Grass (Cody or Bowie) 4,5,9/ Vernal Alfalfa 2/ Oats, Spring Fulfs Salt Grass 1/	5 2  5 15 48 20
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MIXTURE	SEEDS	LBS/ACRE
7 Temporary Erosion Control Mixture	Perennial Ryegrass Oats, Spring 4/	50 64

- 1/ Fulfs pucinnellia distans.
- 2/ Legumes - inoculation required.
- 3/ Specific variety as shown in the plants or approved by the Engineer.
- 4/ Other seeds may be used if approved by the Engineer.
- 5/ PLS = Pure Live Seed to be used
- 6/ Fertilizer not required.
- 7/ Planting times April 1st to June 1st and August 15th to September 30th.
- 8/ Planting times May 15th to June 30th and October 15th to December 1st.

**Variation in the Class 4 or 5 seed quantities or varieties will be allowed in the event of a crop failure or other unforeseen conditions. The Contractor shall provide for the approval of the Engineer a written description of the changed Class 4 or 5 Mixture, the reasons for the change, and the name of the seed supplier.**



# SEED/GRASS SEED/MIXES/WILDFLOWER

## DEPARTMENT OF TRANSPORTATION

### STATE OF WISCONSIN

MIXTURE	PUR/GERM	%	MIXTURE	PUR/GERM	%
<b>No. 10</b>			<b>No. 50</b>		
Bluegrass	85/80	40	Trefoil (inoculated)	95/80	50
Perennial Ryegrass	97/90	20	Crownvetch	95/70	50
Creeping Red Fescue	97/85	25			
Red Top	92/85	5	<b>No. 60</b>		
White Clover	95/90	10	Alsike (inoculated)	97/90	5
			Switchgrass	PLS	2.5
<b>No. 20</b>			Red Top	92/85	9
Bluegrass	85/80	5	Barnyard Grass	97/85	2
Aurora Fescue	97/85	20	Bluejoint Grass	PLS	0.5
Trefoil Inoculated	95/80	15	Timothy	98/90	5
Turftype Tall Fescue	98/85	35	Canada Wild Rye	PLS	2
Perennial Ryegrass	97/90	25	Annual Ryegrass	97/90	72
			Red Clover	98/90	2
<b>No. 30</b>			<b>No. 70</b>		
Bluegrass	85/80	10	Perennial Ryegrass	97/90	28
Creeping Red Fescue	97/85	30	Aurora Fescue	97/85	15
Fults Puccinellia	98/85	10	Trefoil (inoculated)	95/80	10
Trefoil (inoculated)	95/80	10	Little Blue Stem	PLS	4
Turftype Tall Fescue	98/85	25	Side Oats Grama	PLS	4.5
Fine Leaf Perennial Ryegrass	96/85	15	Prairie Dropseed	PLS	.5
			Turf-Type Tall Fescue	98/85	35
<b>No. 40</b>			Canada Wild Rye	PLS	3
Bluegrass	85/80	35			
Creeping Red Fescue	97/85	15			
Aurora Fescue	97/85	15			
Fine Leaf Perennial Ryegrass	96/85	25			
White Clover	95/90	10			



Conserv FS  
can custom blend  
grass seed to your  
specifications.

Call your Certified Turf Specialist!



## Make Your Field a LEGEND®



The CONSERV FS LEGEND® Professional Turf Grass Seed line is used by professional sports fields.

The CONSERV FS LEGEND® Professional Turf Grass Seed product line is used by professional sports field managers, High School & College Athletic Directors, Golf Course Superintendants and Park District Grounds keepers throughout the Chicagoland & Milwaukee areas. LEGEND® is a registered trade mark of Conserv FS Aand is available only from Conserv FS. The grass seeds used in LEGEND® are the latest improvements in turfgrass breeding development. CONSERV FS LEGEND® mixes are guaranteed 100% POA Annua Free.

LEGEND® SUPER PRO ELITE

LEGEND® Athletic Super Pro II

LEGEND® Sport Mix

LEGEND® Athletic Super Pro III

LEGEND® Athletic Mix

LEGEND® Elite Perennial Rye

LEGEND® 100% Elite Kentucky Bluegrass

Call your Certified Turf Specialist Today!  
800 - 300 - 4887

# SOIL CONDITIONERS / TURFACE®

## Gypsum (Fairway)

#434170

A natural soil conditioner that loosens clay soils. Gypsum is neutral Ph and non-burning. **Rate:** Normal application: 100-150 lb. per 1000 sq. ft. For salt damage: 25-50 lb. per 1,000 sq ft

Size: 50 lb bg

Price: \$ 9.00, Pick Up Price: \$ 8.46

Ask about this product in Bulk.

## Gypsum Greens Grade (Mini) #434173

A natural soil conditioner that loosens clay soils. Gypsum is neutral Ph and non-burning. **Rate:** Normal application: 100-,150 lb. per 1000 sq. ft. For salt damage: 25-50 lb. per 1,000 sq ft

Size: 50 lb bag

Price: \$ 9.36, Pick Up Price: \$ 8.71

## Lime - Ampel HiCal Fairway

#434220

Size: 50 lb bag

Price: \$ 8.32, Pick Up Price: \$ 7.77

## Lime - Ampel Greens Grade 50# #434221

Size: 50 lb bag

Price: \$ 8.28, Pick Up Price: \$ 7.70

## Lime -Septic

#434225

Size: 50 lb bg; 40 bags/ pallet

Price: \$ 8.19, Pick Up Price: \$ 7.30

## Soil Moist

Synthetic polyacrylamide, formulated as a delivery system to time release fertilizers and water in all types of soil.

	Regular	Fines
1 lb	#434450	#434449
3 lb	#434447	#434458
40 lb	#434453	#434456

Call for Pricing

## Sulfur 0-0-0-90S

#076366

Size: 50 lb bag

Price: \$ 20.00, Pick Up Price: \$ 18.50

## Verde-Cal G

- Leaches excessive amounts of Sodium (Na) from Soil
- Condition soil making fertilizer applications more effective.
- Supplies calcium with out raising pH

Rate: See Label

Size: 50 lb bag

## Coarse, Item # 434293

Price: \$20.12/ bag

## Greens, Item # 434292

Price: \$20.55/ bag

**Soil Moist stores over 200 times its weight in tap water, releasing a steady supply of water as your plants need it.**

**Soil Moist offers the following benefits:**

- Mix with mycorrhizaROOTS®
- Reduces plant waterings
- Reduces evaporation of moisture from the soil
- Time releases fertilizer and water
- Encourages deep root penetration
- Reduces soil compaction
- Minimizes transplant shock
- Lasts several seasons
- Cost effective





# SOIL CONDITIONERS TURFACE®

## Begin with Better Soil

### PROFILE Porous Ceramic.

The unique composition of Turface® Porous Ceramic Soil Conditioners improves soils in several ways:

**1. Holds air, water and nutrients at the root zone.** Particles act like sponges that hold air, water and nutrients at the root zone for plants to absorb. Turface holds its weight in water and then slowly releases moisture back into the plant over time.

**2. Reduces compaction and improves drainage.** Turface adds permanent pore space, reducing the natural compaction that occurs in most soils and allows water to drain properly.

**3. Improves your soil structure.** Each type of soil has its own set of challenges. Turface is designed to enhance all types of soils by storing air and moisture at the root zone, reducing the frequency for needed watering. *Turface has Cation Exchange Capacity which captures fertilizer nutrients that otherwise would be lost.*



**Step 1: Pour one 50lb bag of Turface for every 20 sq.ft. of landscape soil.**

**Step 2: Till in at a depth of approx. 4". The optimum is a 30% rate of Turface, but less still provides benefit.**



Purdue University's Rob Eddy,  
Plant Growth Facilities Manager

Turface MVP  
Item #: 434500, 50# Bag

“ In our greenhouses we incorporate Turface into soil mixes to improve soil structure for plants that are going to be in containers for a long time. The incorporation also reduces or eliminates yellowing due to iron deficiencies in grasses and certain flowering plants like petunia and calibrachoa. It has eliminated the need for us to incorporate topsoil, which required labor-intensive digging, drying, grinding and pasteurizing. I have recommended Turface Calcined clay to my grower colleagues at other universities, institutions and agricultural companies. ”



Profile has a complete line of soil conditioners for sports and landscape applications.

- \* Pro-League is used on Professional Sports Fields!
- \* Field & Fairway is used on PGA Golf Courses!
- \* Quick Dry Saves the game!

Check out the “Athletic Field” Section of this catalog for more Information about Profile Products.

# SOIL CONDITIONERS / TURFACE®

## TURFACE MoundMaster® Blocks

Easily maintain superior pitching and batting surfaces. High quality packing clay formed into easy to use blocks for excellent durability. 300 bricks per pallet.

#434278

### Caring for Material

When not in use, store bricks under a damp towel or burlap sack while wrapped in its plastic covering. This will keep your bricks moist and workable. Avoid storing in direct sunlight.



### Pitcher's Mound Applications

Approximate Number of Blocks

Plateau 62

Landing Area 95

### Batter's Box Applications

Approximate Number of Blocks

Batter's Box (each) 88

Catcher's Box 55

## TURFACE Professional Mound Clay

TURFACE PROFESSIONAL MOUND CLAY should be used in the table and landing areas of the mound. The depth of your mound clay depends on the level of play. High quality packing clay in 50# bags. #434504

### Pitcher's Mound Approximate Number of 50# Bags

Table: 4" depth 20 bags

6" depth 30 bags

Landing: 4" depth 40 bags

6" depth 70 bags

Batter's Box: 4" depth 60 bags

Catcher's Box: 4" depth 15 bags



## TURFACE Sports Field Maintenance Video

As coaches and groundskeepers, safety for athletes, young and old, must be of the highest priority. This video provides you with easy and affordable steps to accomplish this mission. Discussion covers reconstruction and renovation methods, as well as daily maintenance practices. Many problems are addressed in each of these areas and are given simple solutions. The only way to recognize these problems is to walk your field everyday. By walking the field on a daily basis, problems can be spotted before they put athletes in danger or jeopardize the quality of play.

So, it is important to get to know the playing field. It is essential to have dedication and patience. But, most of all, knowledge of proper field maintenance must be obtained to make all your efforts worthwhile. This video will share that knowledge.

#434502     \$ 50.00



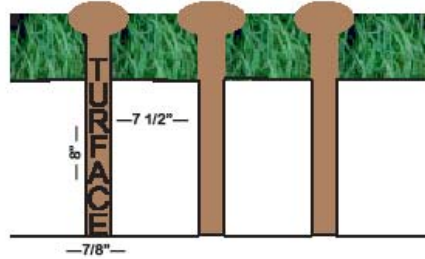
# SOIL CONDITIONERS / TURFACE®

## “DRILL -N- FILL” Instead of Complete Renovation

Breathes new air into large open landscapes

Gives grass the missing component for growth: oxygen

City Parks - Recreation Fields - Stadiums - Sports Fields - School Grounds



7/8" X 8" holes are filled to the top with TURFACE®. One pass of the Drill-N-Fill machine covers 25" x 60"

## Professional Aeration Options



The Revolutionary New Contracted Service for

### Deep Aeration & Instant Fill

**Bigger Nozzle!**

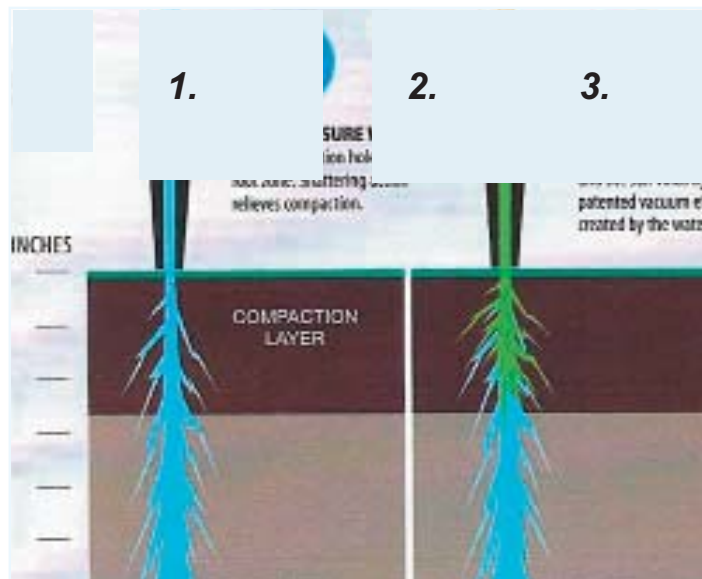
Injects about 2.5 ton of material per hour

**More Pressure!**

Aerates and fills 9" - 11" deep, 5" x 6" spacing

*In the diagram to the Right...*

1. High pressure water blasts an aeration hole in the root zone, shattering action relieves compaction
2. Dry material is drawn into the hole by a patented vacuum effect created by the water blast
3. In a fraction of a second, the root zone is aerated, soil amendment fills the hole completely and the surface is ready for play!



# SPREADERS / SPRAYERS



- Earthway 2150  
Broadcast Spreader**
- Large 13"x4" Pneumatic Stud Tires
  - High Volume 50lb. Hopper

#439308    \$ 187.50



- Earthway 24HDS  
Broadcast Spreader**  
**\* Heavy Duty \***
- Stainless Steel Chassis
  - High Vol. 100 lb. Hopper

#439312    \$511.00



- Earthway 22HD  
Broadcast Spreader**
- Powder Coated Chassis w/Nylon Bushing Support
  - 13" x 5" Pneumatic Tires
  - High Volume 50lb Hopper

#439302    \$240.00

- Earthway 24 HD  
Broadcast Spreader**
- Powder Coated Chassis w/nylon Bearings
  - Jumbo 13" x 5" Pneumatic Tires
  - High Volume 100Lb Hopper

#439306    \$337.50



**New!**



**Earthway 2130  
High Output Salt Spreader**

- Large 13" Stud Type Pneumatic Tires
- High Vol. 175 lb load bearing capacity
- High Speed Gearbox

#439299    \$225.50



**Earthway 2170**

- Large 13" x 4" Pneumatic Stud Tires
- High Vol. 70/100 lb Hopper

**Broadcast #439316    \$199.80**  
**Tow Behind #439317    \$199.80**



**Earthway 3100  
Hand Crank Spreader**

- Comfortable Wide Strap Harness
- Shut-off Setting Control at Handle
- 50lb Hopper

#439304    \$120.00

**Spyker P20-5010**

- 65 lb Poly Hopper
- 10"x4" Pneumatic Tires
- Includes Sreen

#439215    \$195.50



**Spyker P60 9020**

- 1" Powder Coated Frame
- 110lb Capacity Hopper
- 13" x 5" Pneumatic Tires
- Accu-Way Even Spread Pattern Adjuster

#439213    \$389.97

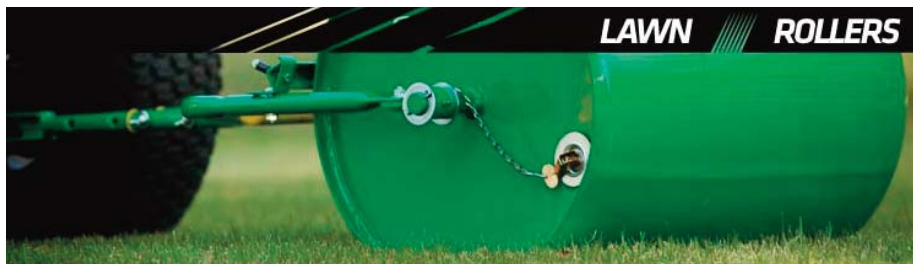


**Spyker S60 12020**

- 120lb Capacity Hopper
- One Piece Welded, Stainless Steel Frame
- Patented Split-shaft Designator

#439212    \$ 555.00

# SPREADERS / SPRAYERS



## Gandy 36' Drop Spreader

Push Type Drop Spreader

- 120lb Hopper
- Corrosion resistant stainless steel bottom

#439055 Push Type

#439053 Tow Behind

Call for pricing



DIRECT SHIP ONLY  
NON-STOCK ITEM

## Lely HR PTO Driven

- 300 Lb Hopper
- Spinner Disc w/Stainless Steel Spoons
- Mechanical On/Off Controls (hydraulic optional)

#439010 Call for Pricing

## Lely WFR w/Float Tires

- 300 Lb Hopper
- Spinner Disc w/Stainless Steel Spoons
- Mechanical On/Off Controls (hydraulic optional)

#439015 Call for Pricing



## Spyker HHS100

Hand Crank Spreader

#5 Capacity

#439196 \$ 21.00



## Solo Model 421S

Hand Crank Broadcast Spreader

- 20 lb Hopper

#438166 \$ 72.00



## Earthway 2750 Shoulder Strap Bag Spreader

The 2750 is the weapon of choice when your terrain is hilly or wet. The corrosion, tear and weather resistant 20lb/9kg nylon bag hopper is equipped with a zippered top for easy filling and closure. This nylon construction allows for the bag to remain upright when filling yet collapse for easy storage.



#439198

\$ 30.00



# SPREADERS / SPRAYERS



## Hudson 13194 Back Pack Sprayer

**4 Gallon Capacity**  
Protect against insects, weeds, and plant diseases, perfect for any size job. Braided power style hose, large mouth opening with filler filter, left or right hand pumping action.

Item # 439175  
Price: \$69.00



## Solo Model 475 Backpack Sprayer

Same great features as the Model 425 below. The 475 is capable of producing up to 60 psi. The pump is ideal for handling chemicals in wetttable powder form or liquid.  
**Diaphragm Pump.**

#439165 \$ 98.00



## Chapin/Round up Backpack Sprayer

- 4 Gallon Capacity
- Large Opening/Easy Filling
- Comfort Grip for Left or Right Use
- Continuous Spray Option

Recommended & approved for RoundUp®  
Item #439145 Price: \$ 74.00



## Solo 415 One Hand Spritzer Sprayer

Tank is UV resistant, piston pump, easy pressurization. Chemically resistant seals, for safe use. fully adjustable nozzle and locking trigger

#438164 \$ 8.95



## Solo 420 One Hand Sprayer w/Telescopic Wand

1-hand pressure sprayer, wand adjusts, UV resistant tank. High efficiency piston pump, Viton® seals. High-quality nozzle is fully adjustable, built-in drift/drip guard.

#438165 \$ 17.94



## Solo Model 425 Backpack Sprayer

Large 4.25" opening. Shut-off valve/wand overall length of 28". Easily handles disinfectants, fertilizers, herbicides, pesticides, & formulations for tree, shrub and plant protection (clean sprayer between use).

#439163 Piston Pump \$ 89.95



## Hose End Model #362 Sprayer

- No pre-mixing required
- Metering dial selects from 16 mixing ratios; 1 tsp to 10 tblsp
- Sprays up to 100 gals

#439237 \$ 16.50

## Solo Hand Held Sprayers

- Easy-to-fill funnel top and easy-to-clean large secondary opening
- 28-Inch unbreakable wand provides extended reach
- Commercial shut-off valve with lock-on/lock-off feature minimizes user fatigue
- Chemical resistant seals provide outstanding durability
- Four-nozzle assortment for multiple spraying tasks

1 Gallon: #439166 \$ 27.95  
2 Gallon: # 439167 \$ 29.95  
3 Gallon: # 439168 \$ 35.00



## Solo Drift Guard

Complete drift control in breezy conditions for herbicide applications to berry, flower, vegetable & other applications.



Item #438162  
\$ 17.49



# SPRAYERS/SAFETY

## Pesticide Coverall Suit

Item # 560250

\$ 115.80/ Doz

\$ 9.65/ Ea



## Gerson Nuisance Dust Mask

Provides relief from irritation caused by nontoxic nuisance dusts. *Not a respirator, does not provide lung protection.*

50 masks/box

#560151

\$ 7.50



## Pesticide Respirators

Disposable particulate respirators are engineered to provide exceptional comfort and worker protection. Ideal for grinding, sweeping, sanding these masks provide protection from solids and aerosols free of oil.

The Model 7140 features a built-in exhalation valve for cooler and more efficient breathing.

7140, Item #560165 \$19.50/ea



## White Pesticide Flags

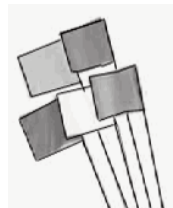
100/bundle, #437184 \$ 12.80



## Colored Marking Flags

Hot Pink, Yellow, Red, Hot Orange, Purple, Lime Green and White

100/bundle, #434263 \$ 9.60



## Flagging/Marking Tape

#434261, \$ 1.50 /ea



## PVC Gloves

#560210 - 12"

\$ 3.03 /Pair

\$ 3.00/pair/Dz

#560202- Elbow Legnth

\$ 4.00 /Pair, \$ 3.50 pair/Dz



## Green Chemical Gloves 13"

#560205

\$ 2.30 /Pair

\$ 2.15 pair/Dz



## Nitrile Gloves

#430514

\$ 15.50 /Box 100

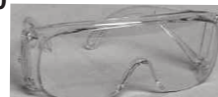


## Safety Glasses

(Economy)

#560160

\$ 2.25



## Safety Goggles

Vented

#560172

\$ 2.50/ea



## Millennia Safety Glasses

#560161,

Clear \$4.95 /ea

#560162,

Tinted \$ 5.95/ea



## Sperian Sport Gray Safety Glasses

#560158

\$3.95/ea



## Privo Amber Lens Safety Glasses

Item #560163 Price: \$ 6.75/ea



## Saline Eye Wash, 16 oz

Item #460185

Price: \$ 6.95/ea



## First Aid Kit Jr.

#560140

\$10.25



# TOOLS

## Open Back Industrial Round Point Shovel

- Front turn Step
- Head size 2, Black
- 48" Hardwood handle
- Extended tab socket

**Item #437476**

Conserv FS LR30

Price: \$ 22.35

Pick Up: \$ 20.55



## Closed Back Industrial Round Point Shovel

- Front turn Step
- Head size 2, Black
- 48" Hardwood handle
- Extended tab socket

**Item #437477**

Conserv FS LR30CB

Price: \$ 24.75

Pick Up: \$ 22.76



## Round Point Open Back Shovel

- For digging & excavating in all soil types
- 11" tab socket & forward turned step
- 48" Ash wood handle

**Item #438028**

U# 45520

Price: \$ 26.82

Pick Up: \$ 24.66



## Round Point Closed Back Shovel

- For digging & excavating in all soil types
- 11" tab socket & forward turned step
- 48" Ash wood handle

**Item #438005**

U# 45657

Price: \$ 35.76

Pick Up: \$29.92



## SVLR Round Point Shovel

- Durable heat treated carbon steel head
- Rear rolled step
- Contoured hardwood handle

**Item #437565**

Price: \$ 8.14

Pick Up: \$ 7.48



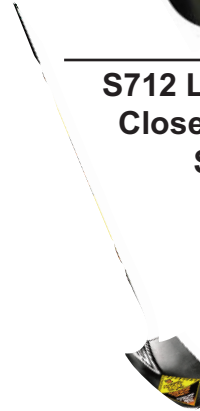
## S712 Long Handle Straight Closed Back Round Point Shovel:

- Contractor Quality
- Front turn step
- Square socket
- PermaGrip™ collar
- Comfort grip

**Item #437531**

Price: \$ 39.22

Pick Up: \$ 36.30



## S600 Round Point Shovel

- Contractor Quality
- Front turned step
- Square socket
- PermaGrip™ collar
- 48" Fiberglass handle w/cushion grip

**Item #437505**

Price: \$ 32.78

Pick Up: \$ 30.14



## S710 Super Shovel

- Contractor quality
- Front turn step
- 48" yellow fiberglass handle
- Square socket
- PermaGrip™ collar

**Item #437529**

Price: \$ 41.40

*While Supplies Last*





## Round Point Digging Shovel

- For digging, excavating in all soil types
- 9" tab socket & forward turned step
- 28" Ash wood handle with D-Grip

**Item #437472**

**Conserv FS DR32**

**Price: \$ 19.24**

**Pick Up: \$ 17.68**



## Round Point Digging Shovel

- For digging, excavating in all soil types
- 11" tab socket & forward turned step
- 30" Ash wood handle with D-Grip

**Item #438010**



## S600D Round Point D Handle Shovel

- Contractor Quality
- 26" Fiberglass Handle, D-Grip
- PermaGrip™ Collar
  - Square Socket
  - Front Turn Step

**Item #437508**

**Price: \$ 32.78**

**Pick Up: \$ 29.92**

## Little Hog Round Point Shovel

- For digging course materials at campsights or to keep in the truck
- Forward truned step & 6 3/4" socket
- 18" Ash wood handle with D-Grip

**Item #438082**

U# 45107

**Price: \$ 14.80**

**Pick Up: \$ 13.60**



## Square Point Shovel

- For transfer of loose, sandy material
- Open back blade, rolled up step
- 28" Ash wood handle, D-Grip

**Item #437471**

**Conserv FS DS33**

**Price: \$ 16.39**

**Pick Up: \$ 15.07**



## S601D Drain Square Point

Contractor Quality

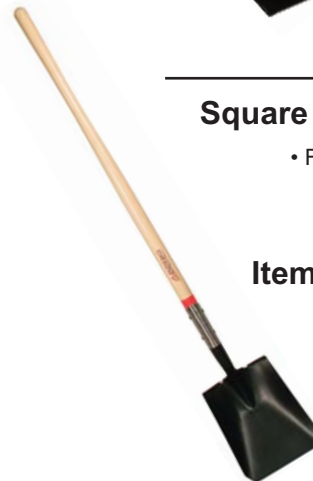
- Front turn step
- 26" Fiberglass handle
- Square Socket
- PermaGrip™ collar
- Solid poly D-grip

**Item #437514**

U# 53130

**Price: \$ 34.98**

**Pick Up: \$ 29.92**



## Square Point Transfer Shovel

- For transfing heavy rocky material
- 11" socket & rolled up step
- 48" Ash wood handle, D-Grip

**Item #437470/Conserv FS LS31**

**Price: \$ 30.80**

**Pick Up: \$ 27.40**

**Item #438015/U# 44363**

**Price: \$ 37.76**

**Pick Up: \$ 32.80**

## Little Hog Square Point Shovel

- For digging course materials at campsights or to keep in the truck
- Forward truned step & 6 3/4" socket
- 18" Ashwood handle with D-Grip

**Item #438083**

U# 45108

**Price: \$ 14.80**

**Pick Up: \$ 13.60**



# TOOLS



## SDP12W Poly Scoop

- ABS Plastic 5.25" x 9" head
- 29" hardwood handle
- Poly D-grip

**Item #437478**

**Conserv FS SDP12W**

**Price: \$ 25.57**

**Pick Up: \$ 23.50**



## SDA 14 Aluminum Scoop

- Scoop is ideal for **SNOW REMOVAL**
- #14 aluminum head, lightweight & rust free
- Steel D-grip on 29" hardwood handle

**Item #437481**

**Conserv FS SDA14**

**Price: \$ 35.76**

**Pick Up: \$ 32.88**



## ABS Grain/Snow Scoop

- For scooping grain, snow, mulch or general purpose clean up
- #12 size equivalent 14 3/4" x 18 3/4"
- 29" Ash wood handle w/Poly grip

**Item #438123**

U# 79770

**Price: \$ 22.20**

**Pick Up: \$ 20.40**



## SDA 12 Aluminum Scoop

- For scooping grain, **snow**, mulch or general purpose clean up
- Western style #12 size 14 3/4" x 18 3/4" aluminum blade
- Steel & wood D-grip on 29" Ash wood handle

**Item #437480**

**Conserv FS SDA12**

**Price: \$ 34.27**

**Pick Up: \$ 31.51**



## Steel Scoop

- For scooping grain, snow, mulch or general purpose clean up
- Eastern style #2 size, 11" x 15" high carbon blade
- 27" Ash wood handle with Steel & wood grip

**Item #438112**

U# 50139

**Price: \$ 38.74**

**Pick Up: \$ 35.62**



## Aluminum Scoop

- For transferring grain, **snow**, & loose materials
- Western style #14 size 15 3/4" x 19 3/4" aluminum blade
- Steel & wood D-grip on 31" Ash wood handle

**Item #438116**

U# 53130

**Price: \$ 58.11**

**Pick Up: \$ 53.43**



## Steel Scoop

- For scooping grain, snow, mulch or general purpose clean up
- Western style #8 size, 14" x 17" high carbon blade
- 27" Ash wood handle with Steel & wood grip

**Item #438126**

U# 53117

**Price: \$ 43.21**

**Pick Up: \$ 39.73**

*Come on In & Check out What's New!*







## Steel Street Shovel

- For scooping grain, snow, mulch or general purpose clean up
- #4 size 14 3/4" x 15 1/2" wide-flared dish steel blade
- 39" Ash wood handle with D-grip

**Item #438120**

U# 79804

**Price: \$ 35.76/ Pick Up: \$ 32.88**



## Nursery Spade

- For transplanting trees and shrubs
- Solid shank blade with 14" steel strap socket & forward turned step
- 27" Ash wood handle with D-grip

**Item #438095**

U# 46136

**Price: \$ 119.20  
Pick Up: \$ 108.80**



## S605 Long Handle Garden Spade

- 6.9" x 12" blade size
- Front turn step
- 48" Yellow fiberglass handle
- PermaGrip™ collar
- Cushion grip

**Item #437518**

**Price: \$ 32.78  
Pick Up: \$ 29.92**



## Razorback All Steel Spades

**# 438100<sup>(15")</sup>**

**Price: \$58.90  
Pick Up: \$55.10**

**Item #438101<sup>(13")</sup>**

**Price: \$ 52.15  
Pick Up: \$ 47.95**



## S605D Handle Garden Spade

- 6.9" x 12" blade size
- Front turned step for comfort
- 29" Yellow fiberglass handle
- PermaGrip™ collar
- Poly D-grip

**Item #437522**

**Price: \$ 32.78  
Pick Up: \$ 29.92**



## King of Spades

**KS-S D Handle 13"  
KSS-15 D Handle 15"**

- All metal zinc plated
- Aircraft tubing, super strong & light weight
- Rubber foot pad sold separately

**ALL STEEL**

**Item #437072 (13")  
Pick Up: \$ 68.90**

**Item #437074 (15")  
Pick Up: \$ 76.70**



## Wolverine Spade

- Extra thick, mill sharpened blades are heat treated for extra strength
- Closed back, forward turned step
- Predrilled on both sides to accept an optional rubber foot pad

**ALL STEEL**

**Item #437054 (12")  
Pick Up: \$ 57.54**

**Item #437054 (15")  
Pick Up: \$ 60.28**



## Garden/Garder Spade

- Create defined edges along walks
- Open back blade design with 9" socket & turned step for comfort
- 28" Ash wood handle with crimped steel collar and steel & wood D-grip

**Item #437473**

**Conserv FS GD34**

**Price: \$ 22.35  
Pick Up: \$ 20.55**

# TOOLS

## Trenching or Ditching Shovel

- For digging & clearing
- Open back blade design, 9" chucked socket & rolled step to prevent build up
- 48" Ash wood handle



U# 47115

#438059  
\$ 26.64  
P/u: \$24.46

U# 47171



#438058  
\$ 25.16  
P/u: \$23.12

## 14" Drain Spade

- For digging & cleaning drainage ditches
- Closed back blade, 9" chucked socket & forward turned step
- 29" Ash wood handle, wood & steel D-grip



U# 47202

### Item #438061

Price: \$ 34.27  
Pick Up: \$ 31.51

## S604 Drain Spade

- 5.5" x 16" blade size
- Front turn step
- 48" yellow fiberglass handle
- PermaGrip™ collar
- Cushion grip



### Item #437516

Price: \$ 32.78  
Pick Up: \$ 29.92

## 14" Drain Spade

- For digging and clearing drainage ditches in light sandy soils
- Open back blade design with 9" chucked socket & forward turned step
- 29" Ash wood handle with Poly D-grip



U# 47107

### Item #438049

Price: \$ 22.20  
Pick Up: \$ 20.55

## 16" Drain Spade

- For digging & clearing drainage ditches
- Solid shank blade design with 9" socket & forward turned step for comfort
- 27" Ash wood handle with steel & wood d-GRIP



U# 47110

### Item #438067

Price: \$ 64.07  
Pick Up: \$ 58.91

## Dig-EZ Cross-Over Posthole Digger



- Innovative Handle Designed
- Pointed tempered blades = maximum soil penetration
- Stopper prevents knuckle collision
- Beveled steel carbon head

### Item #438343

Price: \$ 74.50  
Pick Up Price: \$ 68.50

## Post Hole Tamping Bar

- For Clearing rocks & roots from post holes
- 17 lb straight pattern forged carbon steel bar 9 1/2" x 7" base
- 72" Length



# DG-19

### Item #437580

Price: \$ 32.78  
Pick Up Price: \$ 30.14

## Post Hole Digger

- For digging post holes as footings in all soil types
- 2-piece riveted, high carbon steel blades with 6" point spread
- 48" hardwood handles



U# 78006

### Item #78005

Price: \$ 49.17  
Pick Up Price: \$ 45.21

## Post Hole Digger

- For digging & clearing trenches
- Atlas pattern, 2-pc, riveted, high carbon steel blades with 5 1/2" point spread
- 48" Fiberglass handle



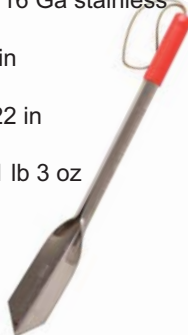
U# 78003

### Item #438334

Price: \$ 38.74  
Pick Up Price: \$ 35.62

## All Pro 18" Long Handle Trowel

- One Piece Stainless Steel
- Material: 16 Ga stainless
- Width: 3 in
- Length: 22 in
- Weight: 1 lb 3 oz



AP# 250

### Item #437225

Price: \$ 11.92  
Pick Up Price: \$ 10.96

## All-Pro Digging Trowels - 11", 12"



Item #437094 11"  
Pick Up Price: \$ 9.59

Item #437224 12"  
Pick Up Price: \$ 9.59

Item #437223 14"  
Pick Up Price: \$10.28

## GroundsKeeper Series 8 cu ft Poly Tray Wheelbarrow #GK8D

- UV Stabilized polyethelene pan
- Structural steel channel undercarriage
- Oversized 64" American hard wood handles



### Item #437120

Price: \$ 223.50  
Pick Up Price: \$ 205.50

## GroundsKeeper Series 10 cu ft Poly Tray Wheelbarrow #GK10D

- UV stabilized polyethylene pan
- Structural steel channel undercarriage
- Oversized 64" American Hardwood handles



### Item #437121

Price: \$ 238.40  
Pick Up Price: \$ 219.20

## Wolverine Heavy Duty Steel Wheelbarrow

- Special formulated tub, resistant to cold cracks
- Large tow hook, full ball bearings & Zurk fittings

## Item #437052

- No wedges under tub for a more solid foundation
- Lifetime warranty against manufacturers defects

## 6 cu ft Steel Tray Wheelbarrow

- For transporting medium - heavy materials to gathering points
- 1.0 mm deep drawn steel tray with wooden wedges & crossbraces
- 2-Ply radial tire



U# 77305

### Item #438380

Price: \$ 96.20  
Pick Up Price: \$ 88.40

## 6 cu ft Poly Tray Wheelbarrow

- For transporting medium - heavy materials to gathering points
- 6 cu ft corrosion-proof poly tray with wooden wedges & crossbraces
- 2-Ply radial tire



U# 77307

### Item #438384

Price: \$ 78.97  
Pick Up Price: \$ 72.61

## 6 cu ft Folded Steel Tray Wheelbarrow

- For transporting medium - heavy materials to gathering points
- 1.4 mm Folded Steel tray with wooden wedges & crossbraces
- 2-Ply radial tire



### Item #438375

Price: \$ 130.24  
Pick Up Price: \$ 119.68

## Wolverine Heavy Duty Steel Wheelbarrow WB-S6WB

- 6 cu ft steel pan
- Ash wooden handles



### Item #437052

Price: \$ 143.78  
Pick Up Price: \$ 132.20

# TOOLS

## Roller Squeegee 36"

- Heavy-duty ribbed-frame construction combined with wrap-around bracing
- Comes with a 54" bent powder-coated aluminum handle with a 5" grip



**Item #437026**

Price: \$ 101.32  
Pick Up Price: \$ 93.16

## Squeegee 30" Straight Blade

- Digs deep into crevices and uneven surfaces to remove liquids
- Leaves floors almost dry



**Item #437031**

Price: \$ 48.84  
Pick Up Price: \$ 44.88

## All Steel Landscape Rake



24" Head  
**Item #437061**  
Price: \$ 61.42  
Pick Up Price: \$ 56.44

18" Head  
**Item #437073**  
Price: \$ 61.42  
Pick Up Price: \$ 56.44

## Professional-Grade Collapsible Field Rake with Telescopic Handle

- High-Grade aluminum alloy head
- Easily breaks down for convenient storage
- Adjust the length from 39-1/2" to 70"

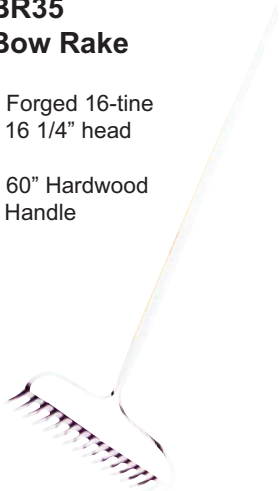


**Item #431019**

Price: \$ 67.98  
Pick Up Price: \$ 62.95

## Conserv FS BR35 Bow Rake

- Forged 16-tine 16 1/4" head
- 60" Hardwood Handle

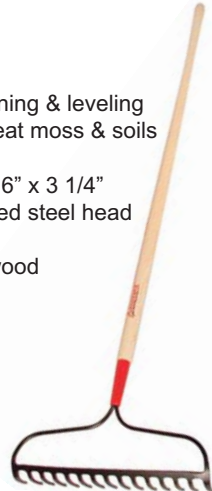


**Item #437475**

Price: \$ 27.85  
Pick Up Price: \$ 25.60

## Bowhead Garden Rake

- For loosening & leveling mulch, peat moss & soils
- 15 Tine, 16" x 3 1/4" 1-pc forged steel head
- 60" Ash wood handle



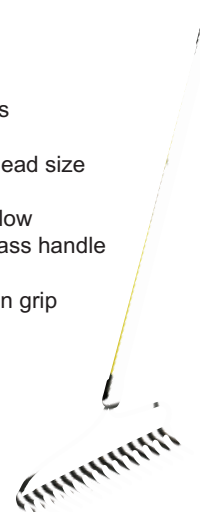
U# 63141

**Item #438220**

Price: \$ 29.80  
Pick Up Price: \$ 27.40

## BR16 Bow Rake

- 16 tines
- 16.5" head size
- 60" yellow fiberglass handle
- Cushion grip



**Item #437532**

Price: \$ 33.30  
Pick Up Price: \$ 30.87

## Levelhead Garden Rake

- For loosening & leveling
- 14 Tine, 15" x 3 1/4" 1-pc forged steel head
- 66" Ash wood handle



U# 63110

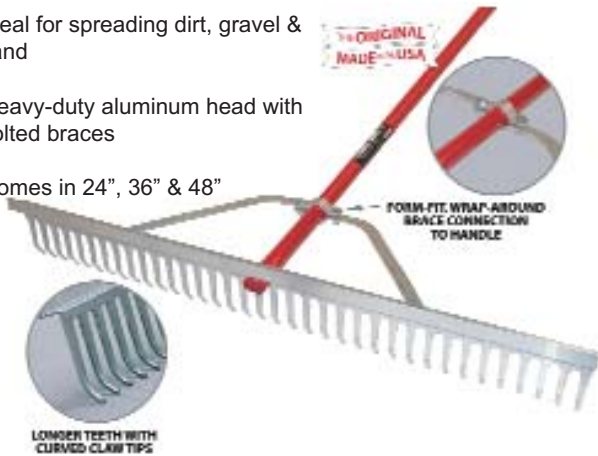
**Item #438230**

Price: \$ 32.56  
Pick Up Price: \$ 29.92



## Landscape / Ball Field Great Rake II

- Ideal for spreading dirt, gravel & sand
- Heavy-duty aluminum head with bolted braces
- Comes in 24", 36" & 48"



Item	#437084	#437086	#437088
	24"	36"	48"
Each:	\$ 41.85	\$ 51.15	\$ 55.13
Pick UP:	\$ 38.34	\$ 46.20	\$ 50.69

## LR36 Landscape Rake

- 36" aluminum with brace head
- 60" fiberglass handle



### Item #437528

Price: \$ 71.52  
Pick Up Price: \$ 65.76

## Asphalt Lute Rake

- Aluminum head
- Metal handle
- End grip
- Strong head connection for years of use



U# 63133

### Item #438456

Price: \$ 58.11  
Pick Up Price: \$ 53.43

## Concrete Rake

- For spreading & leveling concrete
- 20" x 4" Socet pattern steel blade with rebar hook
- Hardwood handle



U# 83154

### Item #438453

Price: \$ 25.16  
Pick Up Price: \$ 23.12

## 24" Barn Scraper

- For scraping barn floors and hard surfaces
- 24" x 6" Reversible 14-gauge, curved steel blade
- Hardwood handle



U# 83109

### Item #438194

Price: \$ 37.00  
Pick Up Price: \$ 34.00

## Super Fork

- Specially engineered polycarbonate head is virtually indestructible
- Lightweight
- Head Size: 11 x 14-1/4



### Item #437070

Price: \$ 22.35  
Pick Up Price: \$ 20.55

## Lake Rake/ Aquatic Weed Eradicator

A **chemical free** way to maintain your waterfront!

- Easy assembly & storage
- 28" serrated blade, 11" long
- Powder-coated aluminum handle



### Item #437091

Price: \$ 81.95  
Pick Up Price: \$ 74.25

# TOOLS

## 24" Poly Leaf Rake

- 24 High impact tine poly leaf rake
- 54" Deluxe hardwood handle



**Item #437058**

Price: \$ 10.43  
Pick Up Price: \$ 9.59

## 30" Poly Leaf Rake

- 30 Tine high impact poly leaf rake
- 54" Delux6 hardwood handle

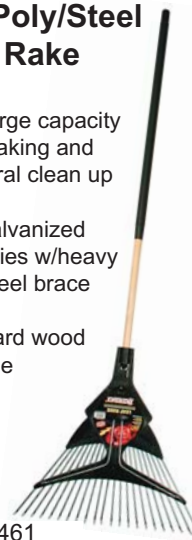


**Item #437059**

Price: \$ 13.41  
Pick Up Price: \$ 12.33

## 24" Poly/Steel Leaf Rake

- For large capacity leaf raking and general clean up
- 22 Galvanized steel ties w/heavy coil steel brace
- 48" hard wood handle



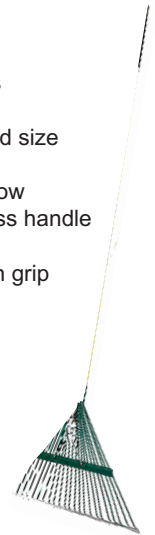
U# 64461

**Item #438206**

Price: \$ 23.68  
Pick Up Price: \$ 21.76

## SR22 Steel Leaf Rake

- 24 tines
- 22" head size
- 54" yellow fiberglass handle
- Cushion grip

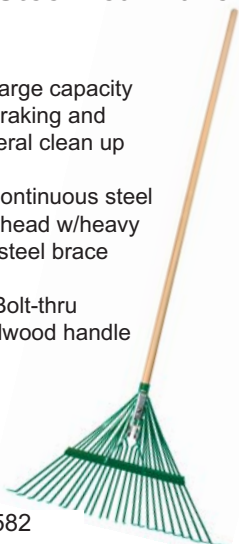


**Item #437536**

Price: \$ 23.84  
Pick Up Price: \$ 21.92

## 24" Steel Leaf Rake

- For large capacity leaf raking and general clean up
- 24 Continuous steel tine head w/heavy coil steel brace
- 54" Bolt-thru hardwood handle



U#64582

**Item #438208**

Price: \$ 17.88  
Pick Up Price: \$ 16.32

## 8" Poly Shrub Rake

- For clean up around plants and shrubs
- 10 Reinforced poly tines
- 48" Tap-in wood handle



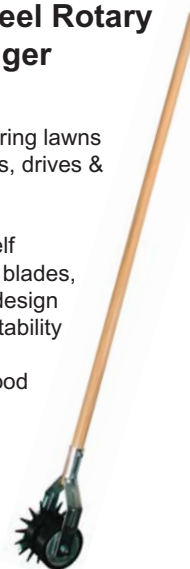
U#64197

**Item #438209**

Price: \$ 7.40  
Pick Up Price: \$ 6.80

## Dual Wheel Rotary Lawn Edger

- For manicuring lawns along walks, drives & beds
- Serrated self sharpening blades, two wheel design for added stability
- 48" Hardwood handle



U#61104

**Item #438257**

Price: \$ 33.56  
Pick Up Price: \$ 29.92

## T-Handle Soil Sampler

- One piece welded construction with T-Handle



**#437066 5/8"**

**#437069 1"**

**Item #437066**  
\$ 34.95 / each

**Item #437069**  
\$ 38.95 / each

## Soil Probe SP48

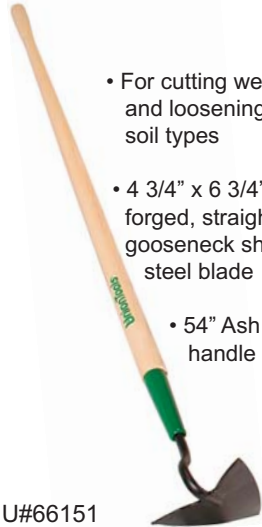


- Cast metal tip head
- 0.5" x 48" yellow fiberglass shaft
- Cushioned T-handle

**Item #437500**

Price: \$ 23.10  
Pick Up Price: \$ 21.25

## Warren/Planting Hoe



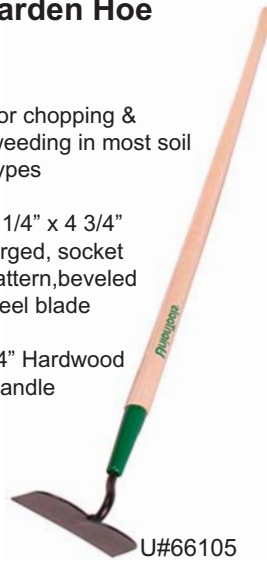
U#66151

**Item #438245**

Price: \$ 29.60  
Pick Up Price: \$ 27.20

- For cutting weeds and loosening most soil types
- 4 3/4" x 6 3/4" forged, straight gooseneck shank, steel blade
- 54" Ash wood handle

## Garden Hoe



U#66105

**Item #438244**

Price: \$ 28.12  
Pick Up Price: \$ 25.84

- For chopping & weeding in most soil types
- 6 1/4" x 4 3/4" forged, socket pattern, beveled steel blade
- 54" Hardwood handle

## Mortar Hoe



U#66158

**Item #438238**

Price: \$ 53.64  
Pick Up Price: \$ 49.32

- 10" x 6" perforated blade
- Forged, gooseneck shank pattern
- 8" steel ferrule with cap for strongest blade and handle connection
- 66-inch North American ash handle

## Beet/Nursery Hoe



U#67127

**Item #438250**

Price: \$ 23.68  
Pick Up Price: \$ 21.76

- For chopping, weeding & making furrows for industrial applications
- 7" x 3 1/2" Forged socket pattern with goose neck shank, steel blade
- 54" Ash wood handle

## H800ST Garden Hoe



**Item #437546**

Price: \$ 26.82  
Pick Up Price: \$ 24.66

- 6.25" x 4.25" head size
- 60" yellow fiberglass handle
- Cushion grip

## American Pattern Eye Hoe



Comes with Handle

**Item #437495**

Price: \$ 28.12  
Pick Up Price: \$ 25.84

- For chopping & weeding in most soil types
- 7 1/2" x 6 3/4" steel blade

## EZ-DUZIT Scuffle Hoe



U#68730

**Item #438248**

Price: \$ 20.72  
Pick Up Price: \$ 19.18

- For cutting weeds & aerating in most soils
- 1" x 6" double-edged steel blade
- 54" Hardwood handle

# TOOLS

## Overseed Enhancing Tool

- Star weels to penetrate compacted soils
- Creates excellent seed to soil contact

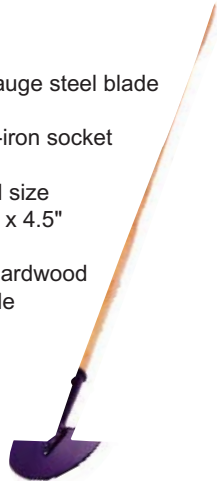


**Item #430795**

Price: \$ 48.96  
Pick Up Price: \$ 45.90

## Half Moon Turf Edger WE-65

- 12 gauge steel blade
- Cast-iron socket
- Head size 8.75" x 4.5"
- 48" hardwood handle

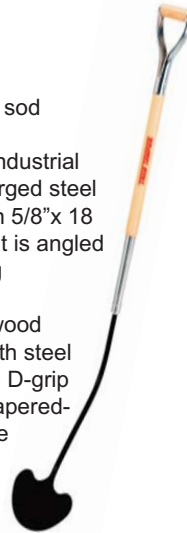


**Item #438255**

Price: \$ 23.09  
Pick Up Price: \$ 21.25

## Sod Lifter

- For lifting sod
- 9" x 14" Industrial gauge, forged steel blade with 5/8"x 18 shank that is angled for cutting
- 32" Ash wood handle with steel and wood D-grip and 10" tapered-tight ferule



**Item #438260**

Price: \$ 81.40  
Pick Up Price: \$ 74.80

## Machete

- 18" blade
- High carbon tempered steel blade
- Comfort grip handle
- Sheath sold separately (#437556)



**Item #437555**

Each \$10.00

Sheath

**Item #437556**

Each \$ 8.80

## PP60 Pinch Point Bar

**Item #437581**

Price: \$ 38.74  
P/U Price: \$ 35.62



**WP60  
Wedge  
Point Bar**

**Item #437582**

Price: \$ 38.74  
P/U Price: \$ 35.62

## Ditch Bank Blade

- For cutting heavy brush along ditches
- 16" Double-Edged Sharpened steel blade
- 40" Hardwood handle



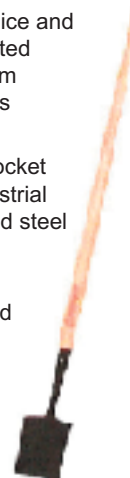
**Item #437553**

*Limited Supply!*

Price: \$ 41.79

## Ice Chisel IC30

- For scraping ice and other encrusted materials from hard surfaces
- 3 3/4" x 6" Socket pattern, industrial gauge, forged steel blade
- 48" Ash wood handle



**Item #437590**

Price: \$ 24.04  
Pick Up Price: \$ 22.12

## SC79 Scraper/Chopper

- For Scraping ice and other encrusted materials from hard surfaces and demolition
- 7" x 9" Socket pattern, industrial gauge, cold-forged steel blade
- 54" Ash wood handle



**Item #437591**

Price: \$ 23.84  
Pick Up Price: \$ 21.92



## Conserv FS GC30 Cultivator

- For cultivating, weeding, & aerating
- Wide forged steel head with sharp tines
- 54" Ashwood handle



U# 68115

**Item #437485**

Price: \$ 31.29

Pick Up Price: \$ 28.77

## Conserv FS RF30 Refuse Hook

- For harvesting potatoes & dragging refuse
- 4, 6 1/2" forged turned, oval tines, 6" head
- 54" Ashwood handle



#75144

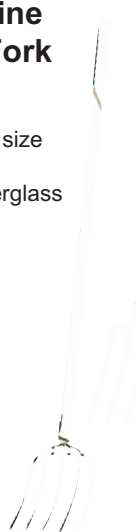
**Item #437486**

Price: \$ 26.82

Pick Up Price: \$ 24.66

## CF5 Five Tine Compost Fork

- 11.5" x 9" fork size
- 48" yellow fiberglass handle
- Cushion grip



**Item #437548**

Price: \$ 35.76

Pick Up Price: \$ 32.88

## Conserv FS MF25 Manure Fork 5 Tine

- For transferring manure or loose materials
- 1-pc forged head for durability
- 48" white ash handle is strong & flexible



#74223

**Item #437488**

Price: \$ 26.82

Pick Up Price: \$ 24.66

## Manure Fork

- For transferring manure or loose material
- Six 12 1/2" oval forged steel tines
- 48" Ash wood Handle



U# 74132

**Item #438308**

Price: \$ 37.00

Pick Up Price: \$ 34.00

## Conserv FS SF30 Spading Fork

- For digging & aerating all soil types
- 7 1/4" x 11 1/2" HD 4-tines forged steel head
- 30" Ashwood handle with steel & wood D-Grip



# 72103

**Item #437487**

Price: \$ 34.27

Pick Up Price: \$ 31.51

## Conserv FS MF10 Compost/Ensilage Fork

- For transferring ensilage, mulch, or stone
- 10" tines, 16" long
- 1 Forged steel head
- 30" Ash wood handle



# 76125

**Item #437057**

Price: \$ 71.52

Pick Up Price: \$ 65.76

## Long Handled Ensilage Fork

- 10 tines, 1.5" spacing
- Forged steel head
- 48" Ash wood handle



U# 76126

**Item #438324**

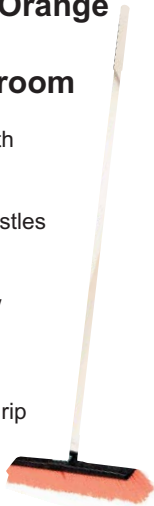
Price: \$ 92.38

Pick Up Price: \$ 84.94

# TOOLS

## PB24R Orange Bristle Push Broom

- For smooth surfaces
- 3" poly bristles
- 24" head
- 60" yellow fiberglass handle
- Cushion grip

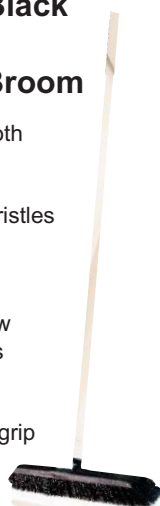


Item #437554

Price: \$ 32.78  
Pick Up Price: \$ 30.14

## PB24 Black Bristle Push Broom

- For smooth surfaces
- 3" poly bristles
- 24" head
- 60" yellow fiberglass handle
- Cushion grip



Item #437552

Price: \$ 32.78  
Pick Up Price: \$ 30.14

## Corn Broom

- 100% natural corn fibers
- Removes fine dirt from all surfaces
- 42" wood handle



Item #437078

Price: \$ 16.80  
Pick Up Price: \$ 15.45

## EZ Reacher Pro

- Premier pick-up tool for landscape maintenance, industrial applications, and gardeners
- Made of anodized aluminum stainless steel and high strength ABS plastic

#437206, 32"  
Price: \$ 21.00  
Pick Up: \$ 19.00

#437208, 40"  
Price: \$ 22.00  
Pick Up: \$ 20.00

#437207, 60"  
Price: \$ 31.45  
Pick Up: \$ 29.75

Replacement cups  
Price: \$ 5.85/pair



## Harper No. 6418A 18" Blue Bristle

- Powerful sweeping broom for tough jobs
- Ideal for street departments, landscapers and greenhouses
- Superior long-wearing synthetic bristles are resistant to mildew and chemicals



Item #437093

Price: \$ 39.17  
Pick Up Price: \$ 36.05

## Harper No. 9618 18" Sturdi-Base Extra Heavy Duty Orange Bristle

- Garage-block filled with stiff OSHA safety-orange plastic
- Slotted for HARPER iron-connector bolt-on handle



Item #437080

Price: \$ 37.90  
Pick Up Price: \$ 35.10

## Harper No. 9624 24" Orange Bristle Streetsweep Broom

- Ideal for roofing, streets, and other outdoor applications
- Resists solvents
- Slotted for HARPER iron-connector bolt-on handle



Item #437079

Price: \$ 27.45  
Pick Up Price: \$ 25.30

## Harper No. 5124 24" Combo Bristle

- Excellent for moving debris on smooth floors
- Stiff brown plastic center fill with a feathered border of mixed red and black plastic

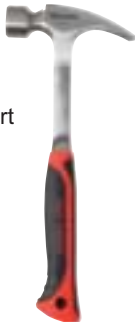


Item #437077

Price: \$ 36.30  
Pick Up Price: \$ 33.36

## 20oz Rip Claw Hammer

- Shock-Zero™ absorbs shock and increases comfort
- "Thumb Saver" magnetic nail starter reduces injury
- Oversized striking face
- Non-slip comfort handle shaped to fit your hand



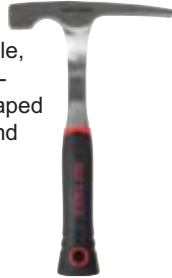
# 8881200

**Item #438400**

**Price: \$ 20.86**  
**Pick Up Price: \$ 19.18**

## 22oz Framing Hammer

- Shock zero absorbs
- "Thumb Saver" magnetic nail starter reduces injury
- Oversized striking face
- Oversized comfort handle, non-slip ergonomically shaped to fit your hand



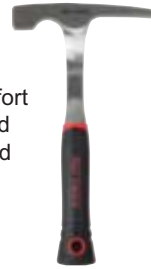
# 8881300

**Item #438401**

**Price: \$ 23.84**  
**Pick Up Price: \$ 21.92**

## 20oz Bricklayer

- Shock-Zero™ absorbs shock and increases comfort
- Chisel end for scoring & trimming
- Square, flat face for cutting brick
- Non-slip comfort handle shaped to fit your hand



# 8881400

**Item #438402**

**Price: \$ 22.35**  
**Pick Up Price: \$ 20.55**

## 3 lb Drilling Hammer

- Forged all steel construction
- Shock zero absorbs shock and increases comfort
- 11" Overall Length



# 8881600

**Item #438404**

**Price: \$ 22.35**  
**Pick Up Price: \$ 20.55**

## 4# Dead Blow Hammer



**Item #438399**

**Price: \$ 50.66**  
**Pick Up Price: \$ 46.58**

## 3 or 4 lb Engineer's Hammer

- For driving steaks and rods
- 4 lb forged steel head for added durability
- 16" Hickory Handle



U# 30576

**Item #438326 (4 lb)**  
**Item #438336 (3 lb)**

**Price Each: \$ 13.32**  
**Pick Up Price: \$ 12.24**

## 12 lb Double Face Sledge

- For heavy pounding jobs
- 12 lb forged steel face for added durability
- 36" Hickory Handle



U# 30584

**Item #438329**

**Price: \$ 32.56**  
**Pick Up Price: \$ 29.92**

## Double Face Sledge

**Item #438327 (8 lb)**

**Price: \$ 23.68**  
**Pick Up Price: \$ 21.76**

**Item #438328 (10 lb)**

**Price: \$ 28.31**  
**Pick Up Price: \$ 26.03**

**Item #438329 (12 lb)**

**Price: \$ 32.56**  
**Pick Up Price: \$ 29.92**

**Item #438332 (16 lb)**

**Price: \$ 44.70**  
**Pick Up Price: \$ 41.10**

U# 30582

# TOOLS

## 1 1/4 lb Camp Axe

- For chopping and splitting wood
- 1 1/4 lb forged steel head
- 14" Hickory handle



U# 30332

**Item #438410**

Price: \$ 16.28  
Pick Up Price: \$ 14.96

## 3 1/2 lb Michigan Single Bit Axe

- For chopping and splitting wood
- 3 1/2 lb forged steel head
- 36" Hickory handle



U# 30354

**Item #438415**

Price: \$ 29.60  
Pick Up Price: \$ 27.20

## 6 lb Sledge Eye Wood Chopper's Maul

- Top quality striking tool for splitting wood
- 6 lb, forged steel wedge
- 36" American Made hickory handle



U# 30354

**Item #438405**

Price: \$ 26.64  
Pick Up Price: \$ 24.66

## 4 lb Needle/Torpedo Wedge

- 7-inch wood splitting wedge
- Perfect for efficient wood splitting
- Each strike by projecting force in (4) directions
- steel wedge for durability



U# 2414200

**Item #438435**

Price: \$ 26.64  
Pick Up Price: \$ 24.66

## 3.5 lb Michigan Single Bit Axe

- 3.5 lb forged steel head
- 36" Fiberglass handle



AX-3FG

**Item #437568**

Price: \$ 25.33  
Pick Up Price: \$ 23.92

## 5 LB Railroad Pick

- For breaking up hard, rocky soil
- 5 lb forged steel head
- 36" Hardwood handle with overstrike protective mold



U# 30127

**Item #437558**

Price: \$ 23.86  
Pick Up Price: \$ 21.76

## 5 LB Mattock

- For cutting roots & breaking up soil
- 5 lb forged steel head
- 36" hardwood handle



U# 30125

**Pick, #437559**

Price: \$ 23.68  
Pick Up Price: \$ 21.76

**Cutter, #437560**

Price: \$ 23.68  
Pick Up Price: \$ 21.76

## 2 LB Utility Bar

- For light demolition and pulling nails or spikes
- 1 1/2" blade double as crowbar or wedge
- 14" length for extra leverage



U# 30642

**Item #438451**

Price: \$ 5.96  
Pick Up Price: \$ 5.48



## F-200A Lopper

- Cushion stops
- Sap groove on anvil blade
- Famous FELCO fine blade adjustment

**#437202 16"**

Price: \$ 88.66

Pick Up: \$ 81.50

**#437204 24"**

Price: \$ 101.32

Pick Up: \$ 93.16



## F-22 Lopper

- Same Great Features as the F20 & 21!
- 33" Long
- 4lb, 6oz
- Extremely Sharp Cutting Blade

**#437175**

Price: \$ 201.50

Pick Up: \$ 185.25



## Felco 918 Holsters

- Designed for Felco 20 & 21 loppers
- Can also be used for small loppers
- Leg strap assures firm body placement

**#439060, Price: \$19.90**



## 9154 PowerGear® Lopper

- Overall length - 32"
- PowerGear® cutting action
- Tubular aluminum handles
- Teflon® coated blade
- High carbon steel blade
- 2" cutting capacity



## Item #439116

Price: \$ 37.25

Pick Up: \$34.25

## Extendable Handle Loppers

- Compound action
- Fiberglass handle extends from 24" to 36"
- Cushion grip



**Item #437544, ExA36**

**Anvil Blade**

Price: \$ 60.34

Pick Up: \$ 55.50

**Item #437542 ExB36**

**Bypass Blade**

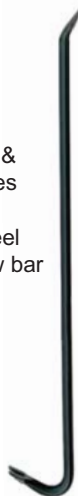
Price: \$ 68.08

Pick Up: \$ 62.56

## 36" x 3/4" Wrecking Bar

- For demolition jobs & pulling nails or spikes
- 3/4" Hex pattern steel bar doubles as crow bar or wedge
- 36" length for extra leverage

U# 30638



**Item #438450**

Price: \$ 10.36

Pick Up Price: \$ 9.52

## WL6490 Professional Super-Duty Bypass Lopper

- 3" diameter cutting capacity with 37" overall length
- Heavy-duty spring-loaded ShockStop™ bumper
- Tapered hickory hardwood handles



**Item #439082**

Price: \$ 119.20

Pick Up Price: \$ 109.60

## AL 8150 32" Heavy Duty Lopper with StrataShear™

- 2" diameter cutting capacity
- Resharpenable, replaceable bypass blade
- Lightweight, high-strength elliptical aluminum handles
- Comfortable ergonomic grips



**Item #439083**

Price: \$ 53.64

Pick Up Price: \$ 49.32

## WP2130 Bypass Lopper

- Steel Collars
- Welded & Forged Tool Heads
- Comfortable, non-slip grips



**Item #437595**

Price: \$ 26.82

Pick Up Price: \$ 24.66

# TOOLS

## Hand Pruners

Solid-forged metal alloy handles are complimented by Swiss precision made hardened cutting blade



### Felco2 Pruner

- Original FELCO design
- Anvil blade with a sap groove
- Replacement blades also available

**Item #437180**

Price: \$ 47.68

Pick Up Price: \$ 43.84



### Felco4 Pruner

- Occasional use e
- Garden maintenance tool

**Item #437143**

Price: \$ 47.68

Pick Up Price: \$ 43.84



### Felco5 "Lowest Priced"

- Solid steel handles
- No cushion stop, sap groove, or wire-cutting notch
- Replacement blades also available

**Item #437185**

Price: \$ 31.29

Pick Up Price: \$ 28.77



### Felco6 "For Small Hands"

- Light and compact, recommended for all types of pruning
- Handles with rubber shock absorber and cushion, protects the wrist

**Item #437182**

Price: \$ 53.64

Pick Up Price: \$ 49.32



### Felco7 Pruner

- Rotating handle revolves on its axis, allowing the fingers to move naturally
- Sswivelrequires up to 30% less effort
- Replacement blades also available

**Item #437179**

Price: \$ 74.16

Pick Up Price: \$ 68.18



### Felco8 Pruner

- Identical to the FELCO 7, except for the rotating handle
- Replacement blades also available

**Item #437191**

Price: \$ 57.93

Pick Up Price: \$ 53.25



### Felco9 **LEFT HANDED**

- This is a true left-hander's version of the FELCO 8, with all the same features
- Replacement blades also available

**Item #437147**

Price: \$ 58.11

Pick Up Price: \$ 53.43

Felco Holsters Fits all FELCO pruners

**#439058**

Price: \$ 11.84

Pick UP: \$ 10.96



### Felco10 **LEFT HANDED**

- This is the true left-hander's version of the FELCO 7, with all the same features
- Replacement blades also available

**Item #437187**

Price: \$ 74.50 Pick Up Price: \$ 68.50



### Felco13 Hand Pruner

- Held as single-handed, extra long cutting blade handle allows use of both hands when cutting extra thick branches

**Item #437145**

Price: \$ 70.77

Pick Up Price: \$ 64.98



### Felco C7 Wire Cutter

- Recommended for cutting hardened spring steel wire up to 2.5 mm (0.1 in.) and cables up to 7 mm (0.3 in.)

**Item #437178**

Price: \$ 64.69

Pick UP Price: \$59.46

- Hardened steel blades and centre bolt, pressed steel handles with plastic covering



### Barnel B200

**Economy Hand Pruner 8" By-Pass**

- Replaceable and hollow ground blade

**Item #437144**

Price: \$ 9.95

- Light weight with a comfort contoured grip for easier cut and longer life

### Corona BP4250 Hand Pruner

- 1" diameter cutting capacity
- Forged steel blade and hook
- Ergonomically angled for wrist



**Item #439109** Price: \$ 20.86 Pick Up: \$ 19.18



### True Friends 1790 Hand Pruner 1790

- Steel blade coated with PTFE
- Fully adjustable counter nut
- Wire cutter

**Item #437010**

Price: \$ 28.31

Pick UP Price: \$ 26.03



## SuperKnife SK2

- Aluminum Stealth Clam
- Pocket clip, for easy carry and storage
- REPLACEMENT BLADES AVAILABLE.

**Item #438292**

**Price: \$ 15.95**



## Barnel Euro General Purpose Knife Model: BLK 751

- 3" Razor Edge with Curved Tip
- Plastic Handle

**Item #437064**

**Price: \$ 2.98**

**Pick UP Price: \$ 2.74**



## Aluminum SuperKnife Edge

-OR-

## Rubberized SuperKnife Edge

- Measures 3.75" when closed
- Stainless steel blade holder and belt clip with molded, rubberized, textured grip handle

**Item #438290**

**Aluminum Price: \$ 11.95**

**Item #438291**

**Rubber Price: \$ 9.95**



## Jackson 7 in 1 Versa Planter

- Multi-purpose landscaper tool
- Ergonomic grip for comfort
- Leather holster as value added feature

**Item #438285**

**Price: \$ 28.77**



## F600 Folding Saw

- Saw recommended for pruning and cutting all types of wood
- Rust resistant hard- chromed blade made of high-quality steel
- 6.3" blade

**Item #437168**

**Price: \$ 29.23**

**Pick Up Price: \$ 26.85**



## Saw & Sheath

- Saw recommended for pruning and cutting all types of wood
- Rust resistant hard chromed blade

**Item #437292**

**F611 13" Blade**

**Price: \$ 56.24**

**Pick Up Price: \$ 52.06**

**Item# 437173**

**F621 9.5" Blade**

**Price: \$ 55.13**

**Pick Up Price: \$ 50.69**



## Pruning Saws

### Razor Tooth Pruning Saw

- For small to medium branches
- Impulse hardened teeth for longer life
- Cushioned pistol-grip handle
- Convenient hanging hole
- 3-sided razor teeth

**Item #439093, RS7041: 7" Folding**

**Price: \$ 17.88 Pick Up Price: \$ 16.44**

**Item #439090, RS7120: 13"**

**Price: \$ 22.35 Pick Up Price: \$ 20.55**



### PS4081 Raker Tooth Pruning Saw

- For large branches & designed to cut live green wood
- Laminated hardwood D-Style handle
- 20" blade with self-cleaning raker-tooth pattern
- Tempered steel alloy blade

**Item #439092**

**Price: \$ 31.29, Pick Up Price: \$ 28.77**



### PS4040 8" Folding Pruning Saw

- For small to medium branches
- Curved blade design for faster cutting
- Tempered steel alloy blade
- Seven precision ground teeth per inch
- Comfortable, hardwood handle
- 8" folding blade

**Item #439088**

**Price: \$ 10.43**

**Pick Up Price: \$ 9.59**



### RS7160 Professional Razor Tooth 21" Raker Saw

- For large branches
- Raker tooth pattern/razor tooth blade creates the fastest cutting hand saw available
- Self-cleaning Raker pattern
- Precision-milled, laminated wood

**Item #439046**

**Price: \$ 43.21, Pick Up Price: \$ 39.73**



# TOOLS

## 7947 Fiskars® 10" Folding Saw

- Durable and strong
- High carbon steel blade with a patented Woodzig Tooth design for less binding
- Easy-to-grip design
- Push button lock
- 10" blade



### Item #439130

Price: \$ 14.70  
Pick Up Price: \$ 13.70

## Bow Saw

- For cutting thick tree branches
- Aggressive pattern double toothed saw blade
- Light weight tubular steel handle



U# 62918

### Item #438430

Price: \$ 8.94  
Pick Up Price: \$ 8.22

## 9301 Fiskars® Power-Lever® 14' Tree Pruner

- Steel head
- 14' extension
- Fiberglass pole
- 15" non-stick coated blade
- Replaceable pruning blade
- Adjustable saw blade angle
- 1-1/8" lopper cutting capacity
- 550 lb burst strength rope



### Item #439123

Price: \$ 49.17  
Pick Up Price: \$ 45.21

## TP6870 Professional 14-Ft Compound-Action Tree Pruner

- Fully heat-treated, high-carbon Teflon™ coated cutlery steel blade with 1-1/4" dia cutting capacity
- Heavy-duty chain drive
- Curved 13" Razor ToothSaw™
- Lightweight fiberglass pole telescopes from 7' to 14'
- Comfortable 24" foam grip



### Item #439108

Price: \$ 86.42  
Pick Up Price: \$ 79.46

## WP6555 Tree Pruner

- 7' to 14' extension fiberglass handle
- Compound action
- 1-1/4" capacity
- 14" saw blade



### Item #437533

Price: \$ 48.35  
Pick Up Price: \$ 44.45

## Original Pruning Stik 9234

- Rotating cutting head
- Dual activated cutting
- Lightweight aluminum
- Reach 10' - 12'
- 1-1/4" cutting capacity
- Overall length: 62"
- 31 oz. weight



### Item #439125

Price: \$ 49.17  
Pick Up Price: \$ 45.21



## AH4220 Compound Action Aluminum Handle Hedge Shear

- High-carbon steel blades are fully heat treated
- Compound action multiplies your cutting power
- Top blade has a limb notch

**Item #439068**

Price: \$ 26.40  
Pick Up Price: \$ 24.00

## AH6970 Professional Aluminum Handle Hedge Shear

- 10-1/2" resharpenable forged Coronium™ steel alloy blades
- Lightweight, high-strength elliptical aluminum
- Precision-machined pivot bolt
- Limb notch in lower blade
- Comfortable non-slip co-molded grips

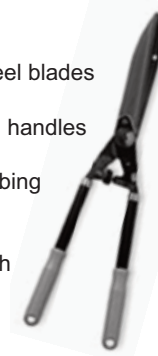


**Item #439064**

Price: \$ 44.70  
Pick Up Price: \$ 41.10

## 9191 FISKARS® Power-Lever® Hedge Shears, 8", Steel

- Power-Lever® cutting action
- Patented GatorBlade® serrations
- 8" carbon steel blades
- Tubular steel handles
- Shock-absorbing bumper
- Overall length 20"

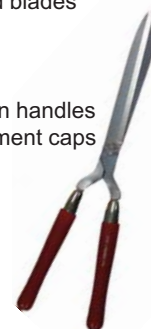


**Item #439128**

Price: \$ 20.15  
Pick Up Price: \$ 18.85

## #614 Professional Hedge Shears

- Strong, hot drop-forged hard chromed, 11" straight cutting edge
- Hollow ground blades
- Pruning notch
- Sturdy wooden handles with reinforcement caps



**Item #437015**

Price: \$ 92.38  
Pick Up Price: \$ 84.94

## #1962 Hedge Shears

- Hot drop-forged, hollow ground, triple hard, chromed, polished, 9" wavy cutting edge
- Shock absorbers
- Sturdy golden wooden handles with caps



**Item #437018**

Price: \$ 92.38  
Pick Up Price: \$ 84.94

## Berger Hedge Shears B-4480/4490

- Hot drop forged, carbon steel straight blades with pruning notch
- 8.5" blade length
- Wing nut ratchet adjustment system
- Handles constructed of Beech hardwood



**Item #437420**

Price: \$ 66.09  
Pick Up Price: \$ 60.80

## Berger Hedge Shears B-4590

- Hot drop forged, wavy edged carbon steel blades
- 8" blade length
- Wing nut ratchet adjustment system
- Rubber shock absorbers
- Handles constructed of Beech hardwood



**Item #437421**

Price: \$ 56.62  
Pick Up Price: \$ 52.06

## EXS24 Hedge Shears

- 8-3/4" blades
- Forged head
- Yellow fiberglass handle extends from 24" to 36"
- Cushion grip



**Item #437540**

Price: \$ 58.11  
Pick Up Price: \$ 53.43

# TOOLS

## 8" x 8" Tamper

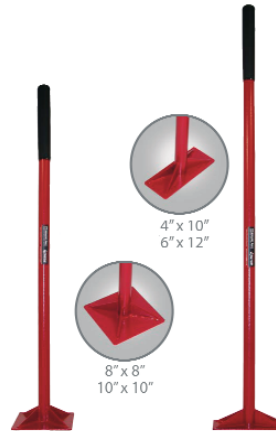
- For tamping asphalt, gravel and dirt
- All steel construction
- 10" end grip

U #30004



## Tamps

- No more broken handles with the solid welded steel construction
- Designed for rugged use with maximum strength and even tamping
- The smaller 4"x10" tamp is perfect for tight spaces and trenches and comes with a 60" handle and 12" vinyl grip



## Redi-Measure

- 5 figure display
- Lightweight design eases handling
- Push button reset
- Widely used by contractors, landscapers, farmers, utilities and real estate agents

#11-0765



### Item #438012

Price: \$ 29.60  
Pick Up Price: \$ 27.35

Item	#437244	#437245	#437243
	8x8	10x10	4x10
Price:	\$ 56.62	\$ 61.09	\$ 50.66
P/U:	\$ 52.06	\$ 56.17	\$ 46.58

### KESON MEASURING WHEEL

- Almost two-mile measuring capability without resetting
- Heavy-duty, polycast wheels with a clean 3-spoke design
- Telescoping handle
- Five-digit counter with reset button

Model #RR318



### Item #437132

Price Each: \$ 75.96

### KESON METAL MEASURING WHEEL

- Metal Professional Wheel
- Rugged 3/4" steel tubing - strongest frame in the field
- Compact fold-down easily reduces to 1/2 its size for storage and portability
- Five-digit counter with reset button

Model #MP401



### Item #437701

Price Each: \$ 176.00

### KESON METAL MEASURING WHEEL

- Innovative, simple centerline design, great balance
- Compact fold-down - easily reduces to 1/2 its size for storage and portability
- Five-digit counter with reset button

Model MP#415



### Item #437700

Price Each: \$ 168.00

### Item #437702

3', 48"  
Price: \$ 67.95

### Item #437703

3', 40"  
Price: \$ 81.95

### Item #437704

4', 40"  
Price: \$ 95.95

## Measuring Tape, 25'

- Tru-zero hook for accurate measurements
- Positive lock prevents blade lippage/creeping



**#437308 25'**  
Price: \$ 10.50

## Measuring Tape, 50'

- Closed housing protects the tape
- Rewind handle folds flush



**#437310 50'**  
Price: \$ 14.95

## Measuring Tape, 200' -or- 300'

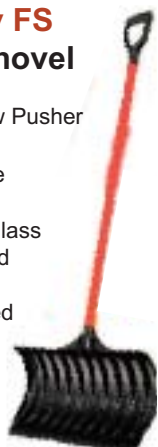


**#437129 200'**  
Price: \$ 39.73

**#437130 300'**  
Price: \$ 54.80

## Conserv FS Snow Shovel

- ABS Snow Pusher
- 18" Blade
- 42" Fiberglass handle, red
- Rubberized Grip

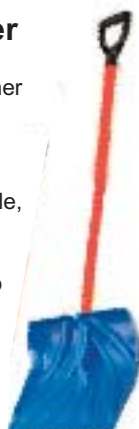


**Item #437425**

Price: \$ 20.54  
Pick Up Price: \$ 19.95

## Conserv FS Snow Pusher

- ABS Snow Pusher
- 24" Blade
- Fiberglass handle, red
- Rubberized Grip

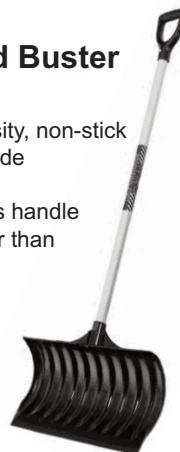


**Item #437430**

Price: \$ 20.54  
Pick Up Price: \$ 19.95

## PP100 Blizzard Buster

- High density, non-stick plastic blade
- Fiberglass handle is stronger than wood

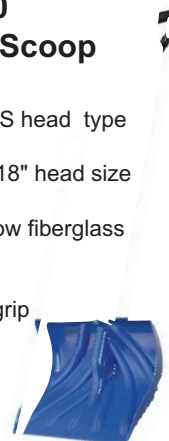


**Item #437530**

Price: \$ 23.68  
Pick Up Price: \$ 21.92

## PS200 Snow Scoop

- Blue ABS head type
- 13.5" x 18" head size
- 42" yellow fiberglass handle
- Poly D grip

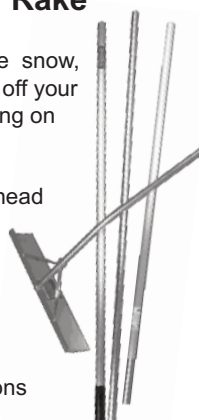


**Item #437525**

Price: \$ 23.84  
Pick Up Price: \$ 21.92

## Snow Roof Rake

- Used to remove snow, leaves, & debris off your roof while standing on the ground
- 22" aluminum head
- 16' three-piece snap-pin handle.
- Handle is expandable by optional 5' sections



**Item #437046**  
Price: \$ 35.76  
Pick Up Price: \$ 32.88

Item# for sections, #437047

## Seymour SS20 18" Steel Shovels

- 44" Hardwood Handle PolyD-Grip
- 13.5" x 18" steel
- Dependable season after season

**Item #437576**

Price: \$ 17.88  
Pick Up Price: \$ 16.50

## Seymour SV-SP25 24" Steel Pusher

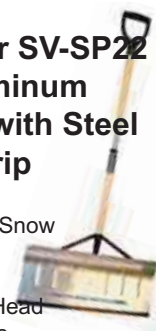
- Steel snow pusher
- 24" Steel head with braces
- 42" Hardwood handle
- Poly D-Grip

**Item #437575**

Price: \$ 23.84  
Pick Up Price: \$ 21.92

## Seymour SV-SP22 24" Aluminum Pusher with Steel Wear Strip

- Aluminum Snow Pusher
- 24" Steel Head with Braces
- 42" Hardwood Handle



**Item #437577**

Price: \$ 26.64  
Pick Up Price: \$ 24.48

# WETTING AGENTS / SPRAY AIDES

## AquaLock

Same Active Ingredient as Transfilm

- \* Prevents winter kill. \*Reduces transplant shock
- \* Prevents windburn, sunscald, & salt air damage

Spray above 40° F. **Rate:** Windburn, 1 gal/20-40 gal water  
**Transplanting, 1-10 ratio** **Size:** 2 x 2.5 gal

#434517

## ChemStik

- \* Maximizes leaf surface coverage of spray solutions

- \* A nonionic spreader/sticker providing washoff protection from untimely rainfall

**Rate:** 4-8 oz/ 100 gal of spray solution

**Size:** 4 x 1 gal

#434085



## Cascade Plus & Cascade 16 G

Call for Cascade on Fertilizer



- \* Prevent localized dry spot (LDS) and correct hydrophobic soil conditions.

CASCADE PLUS moves water faster and deeper into the soil profile for longer periods of time. The result: longer lasting improvements in turfgrass color, quality and stress tolerance.



# 434074: 2.5 gal

#434076: 42 lb Granular

**Rate:** 16 oz/1,000 sq ft

**Rate:** 16 G: 7 lb/1,000 sq ft

Also available in 55 gallon drums

## Duplex TM

#434094

Improves water infiltration. Inject or spray, flexible application methods. Compatible with plant protectants and other surfactants. Sequesters hard water ions to improve soil conditions. **Rate:** See label **Size:** 2 x 2.5 gal

## Cide-Kick II

#434019

\*A wetting agent \*sticker \*activator \*Penetrant

A byproduct of the forest industry, Cide-Kick is a low viscosity oil that helps break down the waxy cuticle on the leaf surface to help penetrate the bud and bark area (of the woody brush), **allowing a more effective uptake of the herbicide.** Compatible with most terrestrial and aquatic herbicides, insecticides, and other pesticides.



**Rate:** 1 pint-2 quarts/acre

**Size:** 12 x 1 qt

## Cascade Plus Fertilizer™

Synchronized Wetting Agent and Fertilizer Technology

- \*Proven wetting agent technology PLUS a unique fertilizer blend

Now you can apply enhanced water infiltration chemistry and essential soil nutrients in **one easy application.** Use on tees, fairways and roughs. Extends fertilizer longevity and keeps working together for up to 12 weeks!



#550325 0-0-20 with Cascade

#550322 5-1-0 with Cascade

**Rate:** See rate chart on specimen label

**Size:** 50lb bags

## Direct (Anti Drift)

#434008

Reduces drift risk and maximizes pesticide performance by binding ultra small spray particles together into larger droplets, which are more capable of hitting their intended target. **Rate:** 1-4 oz/100 gal of spray solution **Size:** 12 x 1 qt

## EZ Tabs

#434081

- \* Easy-to-use tablet
- \* Contains the same ai as Magnus

Designed to hydrate the plant root zone and provide a rescue treatment for hot spots.

**Rate:** 1 tablet per 12,000 - 18,000 sq ft/turf

**Size:** 24, 6oz tablets/container

## EZ Tab Applicator

#434038

Hose end applicator for EZ Tabs.





# WETTING AGENTS / SPRAY AIDES

## Incide-Out (Tank Cleaner)

#434205

A powerful, liquid spray tank cleaner formulated to emulsify and bond pesticide residues to the rinse water for complete purging. **Rate:** 1 qt per 100 gallons of clean water (1 oz per gallon for hand held sprayers)

#434205: Size: 4 x 1 gal  
#434204: Size: 12 x 1Qt

## Knockdown Defoamer

#434009

Formulated to quickly defoam spray solutions containing nonionic surfactants, silicone surfactants or crop oil concentrates. **Rate:** 1-4 oz/ 100 gal spray solution, **Size:** 12 x 1 qt

## Magnus

#434079

A nonionic surfactant blend engineered with a hydrophilic/lipophilic balance that produces uniform hydration in the root zone and optimized growing conditions.

**Rate:** 4-6 oz/ 1,000 sq ft  
**Size:** 4 x 2.5 gal



## MagnaPlex

#434111

Magnus & Duplex at a 4 to 1 ratio.

MagnaPlex combines the hydration of Magnus and the infiltration of Duplex in a convenient, easy-to-use formulation that does not require immediate post-application irrigation. **Rate:** See label

**Size:** 4 x 1 gal



## Microyl Oil

#434093

Activator adjuvant provides superior performance and improved turfgrass safety at lower use rates than ordinary crop oil concentrates. **Rate:** 3-4 pints per 100 gallons of spray solution

**Size:** 4 x 1 gal

## New Balance

#434203

\* Citric-based, pH acidifier & nonionic surfactant

Specifically designed to **modify spray solution pH** when breakdown from alkaline hydrolysis can reduce insecticide & fungicide performance. Formulated with antifoam to prevent foaming.

**Rate:** Depends on desired pH, see label  
**Size:** 4 x 1 gal



## Pen-A-Trate II

#434092

\*Low-foaming, premium-quality nonionic surfactant

Formulated to provide superior coverage and penetration of spray solutions on leaf surfaces of tough-to-control weeds. **Rate:** 1 - 4 pt/100 gal spray solution **Size:** 1 gal



## Signal (spray colorant)

#434444

Highly visible, blue spray pattern indicator designed to provide temporary visibility of pesticide applications.

**Rate:** 1/2 oz gal of tank mix; 1 qt in 100 gal **Size:** 4 x 1 gal

## Signal EZ SoluPak

\* SIGNAL EZ SoluPaks are protected by a unique, waterproof, foil-lined overpack to prevent accidental staining while handling and mixing. Contains a concentrated, **temporary blue spray pattern indicator** to provide visual evidence of where an application has been made.

\* SIGNAL GREEN EZ SoluPaks are formulated to further reduce golfer awareness of pesticide applications compared to ordinary blue spray colorants by providing a **temporary green tint** to treated areas. **Rate:** One 2 oz packet/50 gal water **Size:** 4 (12 x 2 oz)

# 434441: Blue

# 434446: Green

## Sync

#434040

\* Reduce spray application time & labor!  
\* Minimize interference with play!

Unique, proprietary adjuvant technology enhances performance of contact and systemic fungicides and lengthens

disease control at reduced water volume on a wide variety of turf diseases. **Rate:** 1 pint per 100 gal of spray solution **Size:** 12/PT



## TransFilm

#434490

Anti-transpirant film applied to leaf surfaces to relieve the plant from water stress. Prevents windburn, sunscald and salt air damage. **Reduces plant water requirements during drought conditions!**

# 434490: 4 x 1 gal

# 434491: 2 x 2.5 gal

# 434470: 30 gallon

# WEIGHTS & MEASURES

## Pesticide Dilution Tables

Amount of liquid pesticide product required to obtain recommended rate

Concentration of liquid formulation	Recommended pesticide A.I. per acre (or 100 gallons water)				
	1/4 lb	1/2 lb	1 lb	2 lbs	3 lbs
1 lb per gallon	1 quart	2 quarts	1 gallon	2 gallons	3 gallons
1.5 lbs pounds per gallon	1 1/3 pint	1 1/3 quarts	5 1/3 pints	10 2/3 pints	2 gallons
2 lbs per gallon	1 pint	1 quart	2 quarts	1 gallon	6 quarts
4 lbs per gallon	8 ounces	1 pint	1 quart	2 quarts	3 quarts
6 lbs per gallon	6 ounces	10 ounces	1 1/3 pint	1 1/3 quart	2 quarts
8 lbs per gallon	4 ounces	8 ounces	1 pint	1 quart	3 pints

Amount of dry pesticide product to obtain recommended rate

Concentration of dry formulation	Recommended pesticide A.I. per acre (or 100 gallons water)				
	1/4 lb	1/2 lb	1 lb	2 lbs	3 lbs
15%	1-1/2 lb	3-1/3 lb	6-1/2 lb	13 lbs	20 lbs
25%	1 lb	2 lbs	4 lbs	8 lbs	12 lbs
40%	10 oz	1-1/2 lb	2-1/2 lb	5 lbs	7-1/2 lb
50%	1/2 lb	1 lb	2 lbs	4 lbs	6 lbs
65%	6 oz	12 oz	1-1/2 lb	3 lbs	4-1/2 lb
75%	.33 lb	1/2 lb	1-1/3 lb	2-2/3 lb	4 lbs
80%	5 oz	10 oz	1-1/4 lb	2-1/2 lb	3-3/4 lb

## Pesticide Dilution Formulas

- To determine how many gallons of emulsifiable concentrate are needed to mix a spray containing a given percentage of active ingredient:

$$\frac{(\text{gallons of spray wanted}) \times (\% \text{ active ingredient wanted}) \times (8.3 \text{ lb/gal})}{(\text{pounds active ingredient per gallon of concentrate}) \times (100)}$$

- To determine how many pounds of wettable powder needed to mix a spray containing a given percentage of active ingredient:

$$\frac{(\text{gallons of spray wanted}) \times (\% \text{ active ingredient wanted}) \times (8.3 \text{ lb/gal})}{(\% \text{ active ingredient in pesticide used})}$$

- To determine the percentage of active ingredient in a spray mixture:

$$\frac{(\text{pounds pesticide used}) \times (\% \text{ active ingredient})}{(\text{gallons of spray mixture}) \times (8.3 \text{ lb/gal})}$$

# WEIGHTS & MEASURES

## Metric-English Conversion Factors

<u>TO CHANGE:</u>	<u>TO:</u>	<u>MULTIPLY BY:</u>
Inches	Centimeters	2.54
Centimeters	Inches	0.3937
Feet	Meters	0.3048
Meters	Inches	39.37
Square inches	Square centimeters	6.452
Square centimeters	Square inches	0.155
Square yards	Square meters	0.836
Square meters	Square yards	1.196
Cubic yards	Cubic meters	0.765
Cubic meters	Cubic yards	1.308
Cubic inches	Cubic centimeters	16.387
Cubic centimeters	Cubic inches	0.061
Cubic centimeters	Fluid ounces	0.034
Fluid ounces	Cubic centimeters	29.57
Quarts	Liters	0.946
Liters	Quarts	1.057
Grams	Ounces(avoirdupois)	0.0352
Ounces (avoirdupois)	Grams	28.349
Pounds (avoirdupois)	Kilograms	0.454
Kilograms	Pounds (avoirdupois)	2.2046
Pounds (apothecary)	Kilograms	0.373
Kilograms	Pounds (apothecary)	2.205
Ounces (apothecary)	Grams	31.103
Grams (sq ft)	Pounds (acre)	96.00

## Table of Weights & Measures

LIQUID	1 teaspoon =	1/6 ounce =	4.9 cc =	.0049 liters
	3 teaspoons =	1 Tablespoon =	14.8 cc =	.0148 liters
	1 Tablespoon =	1/2 ounce =	14.8 cc =	.0148 liters
	1 ounce =	2 Tablespoons =	29.6 cc =	.0296 liters
	8 ounces =	1 Cup =	236.6 cc =	.2366 liters
	1 cup =	1/2 pint =	236.6 cc =	.2366 liters
	16 ounces =	2 cups =	473.2 cc =	.4723 liters
	2 cups =	1 pint =	473.2 cc =	.4732 liters
	32 ounces =	4 cups =	946.3 cc =	.9463 liters
	4 cups =	1 quart =	946.3 cc =	.9463 liters
	128 ounces =	16 cups =	3,785.3 cc =	3.7854 liters
	128 ounces =	1 gallon =	3,785.3 cc =	3.7854 liters
	8 pints =	4 quarts =	3,785.3 cc =	3.7854 liters
	4 quarts =	1 gallon =	3,785.3 cc =	3.7854 liters
	1 liter =	1.057 quarts =	1,000.0 cc =	0.264 gallon
	1 milliliter (cc) =		1.0 cc =	0.001 liters

WEIGHT & VOLUME  
 1 oz = 28.349523125 grams  
 16 oz = 453.59237 grams = 0.45359237 kg = 1 lb  
 1 ton = 0.90718474 metric ton = 907.18474 kg = 2,000 lbs  
 1 gram = 1,000 milligrams = .001 kg = .0022046 lb

27 sq ft = 3 sq yrd  
 1 sq meter = 1.19 sq yrd  
 Water weighs 8.3 lbs/gallon

LAND AREA  
 144 sq inches = 1 sq ft  
 9 sq ft = 1 sq yrd  
 43,560 sq ft = 1 acre  
 640 acres = 1 sq mile





Crab Grass Fertilizers	39 - 40	Drift Repellent	131		
CrowBar	124	Drill -N- Fill	17		
Cultivators	120	Drip Irrigation	10	ETQ, Echo	50
Curalan EG	49	Drive XLR	57	ETQ, Echo Ultimate	50
Curlex Blanket	26	Drivers, Posts	30	Excel CC4 Coconut	27
Cutless 50W	55	Dry ROOTS	31	Excel CS-3	27
Cutrine Plus	1	Duplex	131	Excel PP8	27
Cutrine Plus Granular	1	Dursban	68	Excel R-1	52
Cutrine Ultra	1	Dust Masks	108	Excel SR-1	27
Cutter Mosquito Repellent	72	Dyclomec 4G	57	Excel SS-2	27
Cyonara - Liquid/Granular	67	Dylox 2.5G/420SL	68	Eye Hoe	118
		Dythane 75 DF	49	Eyewash	84
	<b>D</b>			EZ Reachers	121
Daconil Ultrex	49			EZ Tab Applicator	131
Daconil Weather Stick	49	<b>E</b>		EZ Tabs	131
Damoil	68	Eagle 0.39 G	49		
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Deer Repellents	72	Ear Plugs	84	Fabric Fencing	30
Deer-Off	72	Earth Tec	2	FE8	33
DEF	45	Earthway	105	Felco Hand Pruners	125
Defiant 75 WDG	49	Easy Marker Paint	22	Felco Lopper	124
Defoamer	132	Easy Reacher	18	Fence Guards	18
De-Icing Bulk Salt	90	Echo 6F ETQ	52	Fence Ties	30
De-Icing Liquid	89	Echo 720	50	Fence, Silt	28
Dense Shade Grass Seed	94	Echo ETQ	52	Fencing	29 & 30
Devour	1	Echo Ultimate 82.5 WDG	50	Fencing Supplies	29
D-Handle Shovel-Round Point	110	Echo Ultimate ETQ	50	Ferromac AC	34
Diazinon	68	Eclipse ETQ	52	Fertilizer Blends	37
Diesel Exhaust Fuel	45	Eco Guard	50	Fertilizer Spreaders	105
Diesel Fuel	45	Eject 75	57	Fertilizer Tree Spikes	9
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Disarm	49	Emerald	50	Field Bricks	16
Discharge Hose	76	Emerald Ash Borer Treatment	70	Field Conditioners	15
Dormant Oil	68	Emerald Pro Field	15	Field Dry	15
DOT Mixes	97-98	Encore Trimec	63	Field Fencing	30
DOT Wisconsin Mixes	99	Endorse	50	Field Marking Paint	23
Drag Mats	18	Erosion Control	25 - 28	Field Rakes	19&115
Drag Nails	18	Erosion Control Blanket	26	Field Tamper	18
Drain Spade	113	E-Scape ETQ	52	Field Tampers	19
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# CREDIT APPLICATION

Conserv FS credit is to be convenience credit and is not intended to replace working capital of our customers. By signing below I acknowledge that I fully understand and accept the terms of this agreement. The credit policy of *Conserv FS* for open and credit accounts is as follows and to the extent that any section of this agreement does not conform to the applicable laws of the state this shall not invalidate all other sections of this agreement:

**CREDIT APPROVAL** - Credit will be extended only to customers who have established credit worthiness, who are not past due, and who are approved by the credit manager and Business Services manager. Credit privileges may be suspended at any time. Accounts requesting credit reference information agree to hold harmless and indemnify *Conserv FS* for information provided.

**FOR COMMERCIAL CUSTOMERS** - Customers will receive an invoice for product at the end of each day for purchases made on that day. Invoices are due and payable thirty days (30) from the original invoice date. Invoices not paid by the 30th day after the original invoice dates are past due and will be assessed a finance charge. A statement will only be generated to show open invoices and accrued finance charges. This is not a bill. Unpaid finance charges become part of the new balance, due upon receipt of the statement. Credit cards will be accepted at no additional charge at point and time of purchase. Credit cards used to pay invoices will incur an additional charge of 3% on the total unpaid balance.

**FOR FARM CUSTOMERS** - Statements will be generated as of the first of the month for the preceding 30 day period. Statements will show all transactions for the period, the balance carried forward, total of all payments made during the period and the total balance due on the account as of the statement date. All statements are due by the 25th of the month. Those not paid will be assessed a finance charge. **A finance charge of 1.8 percent per month (an ANNUAL PERCENTAGE RATE OF 21.6 PERCENT) will be assessed on all unpaid accounts.** Credit cards will be accepted at no additional charge at point of purchase with the exception of farm chemicals. Credit cards will not be accepted for farm chemical purchases or for prepayment of inputs. Credit cards used to pay statements will incur an additional charge of 3% on the total unpaid balance.

**FINANCING CHARGES** - A finance charge will be added to all balances thirty (30) days past the original invoice date, until paid, at a rate of 1.8 percent per month **(an ANNUAL PERCENTAGE RATE OF 21.6 PERCENT)** on all consumer, business and commercial purchases. Except for payments on C.O.D. purchases, payments will be applied first to billed purchase and finance charges on the statement that have remained wholly or partially unpaid for the longest period of time. These finance charges are the only credit service costs except in the event that legal recourse must be taken to recover the account. No annual or other fees apply.

**ADJUSTED BALANCE** - The finance charge will be computed by applying the periodic rate, show above, to balance owed on the past due invoice, including unpaid finance charges from the previous billing period, and subtracting payments received. No annual or other fees apply.

**C.O.D. PURCHASES** - All customers who have not been approved for credit will be on a cash, credit card, or check basis only. Before customer picks up or receives any delivery of product, the sales order must be paid in full.

**DISPUTES AND DEFAULTS** - In the event of any controversy or claim arising out of or relating to any sales made, including but not limited to questions regarding authority of the persons who have executed this Credit Application, that such questions, controversy, dispute, any alleged default or breach of contract, at the opinion of *Conserv FS*, shall be submitted to the exclusive venue and jurisdiction of the Circuit Court of Cook County, located in Chicago, Illinois. The judge shall include as part of the award all costs, including reasonable attorney's fees of the non breaching party where it is determined that one of the parties has breached the agreement. This credit application and all terms of sale shall be construed according to the laws of the State of Illinois.

**JOINT AND SEVERAL LIABILITY** - The undersigned fully understands the credit terms stated above and agrees to abide by them. Further, the undersigned, individually and with the Customer, jointly and severally promises to pay all monies due *Conserv FS* from the Customer.

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_

# CREDIT APPLICATION

If you have any questions please call the credit department at 815.334.5940. Fax both pages to: 815.334.5930

DATE: \_\_\_\_\_ AMOUNT OF CREDIT REQUESTED \$ \_\_\_\_\_

FIRM NAME: \_\_\_\_\_

BILLING ADDRESS: \_\_\_\_\_  
Street City State ZIP Phone Fax

SHIP TO ADDRESS: \_\_\_\_\_  
Street City State ZIP Phone Fax

ACCOUNTS PAYABLE CONTACT: \_\_\_\_\_ PHONE: \_\_\_\_\_  
(print name)

IN BUSINESS SINCE: \_\_\_\_\_ D & B RATING: \_\_\_\_\_ D & B NUMBER: \_\_\_\_\_

[ ] SOLE PROPRIETOR [ ] PARTNERSHIP [ ] CORPORATION - DATE OF INCORPORATION: \_\_\_\_\_

SUBSIDIARY/DIVISION/BRANCH (circle) NAME OF PARENT COMPANY: \_\_\_\_\_

FEDERAL ID#: \_\_\_\_\_ IF PARTNERSHIP/SOLE PROPR. SOCIAL SECURITY#: \_\_\_\_\_

WHAT TYPES OF PRODUCTS WILL YOU BE PURCHASING?

\_\_\_\_ TURF \_\_\_\_ FUEL \_\_\_\_ AGRICULTURAL \_\_\_\_ OTHER(specify): \_\_\_\_\_

ARE YOU: SEASONAL? \_\_\_\_ YES \_\_\_\_ NO

OFF SEASON ADDRESS AND PHONE#: \_\_\_\_\_

DO YOU USE PURCHASE ORDERS? \_\_\_\_ YES \_\_\_\_ NO

PRINT NAMES AUTHORIZED TO CHARGE ALONG WITH POSITION(attach list w/ additional names on company letterhead)

Name	Position	Name	Position
List name, fax and telephone numbers of three (3) companies with whom you charge: (CREDIT APPLICATIONS WILL NOT BE PROCESSED IF THREE REFERENCES ARE NOT SUPPLIED)			
1) _____	_____	_____	_____
Firm Name	City State ZIP	Phone	Fax
2) _____	_____	_____	_____
Firm Name	City State ZIP	Phone	Fax
3) _____	_____	_____	_____
Firm Name	City State ZIP	Phone	Fax

NAME OF BANK: \_\_\_\_\_ ACCOUNT#: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
STREET CITY STATE ZIP

PERSON TO CONTACT: \_\_\_\_\_ PHONE: \_\_\_\_\_

THE UNDERSIGNED STATES THAT THE INFORMATION SUPPLIED ON THIS CREDIT APPLICATION IS FOR THE PURPOSE OF SECURING CREDIT WITH CONSERV FS AND THAT SUCH INFORMATION IS TRUE AND COMPLETE. YOU ARE HEREBY AUTHORIZED TO OBTAIN SUCH FURTHER INFORMATION AS IS NECESSARY CONCERNING THE INFORMATION STATED ON THIS APPLICATION. THE UNDERSIGNED FULLY UNDERSTANDS THE CREDIT TERMS AS STATED ON PAGE TWO AND AGREES TO ABIDE BY THEM. THE UNDERSIGNED FURTHER JOINTLY AND PERSONALLY GUARANTEES THE PAYMENT OF ALL MONIES DUE CONSERV FS.

SIGNATURE: \_\_\_\_\_ DATE \_\_\_\_\_

PRINT NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_