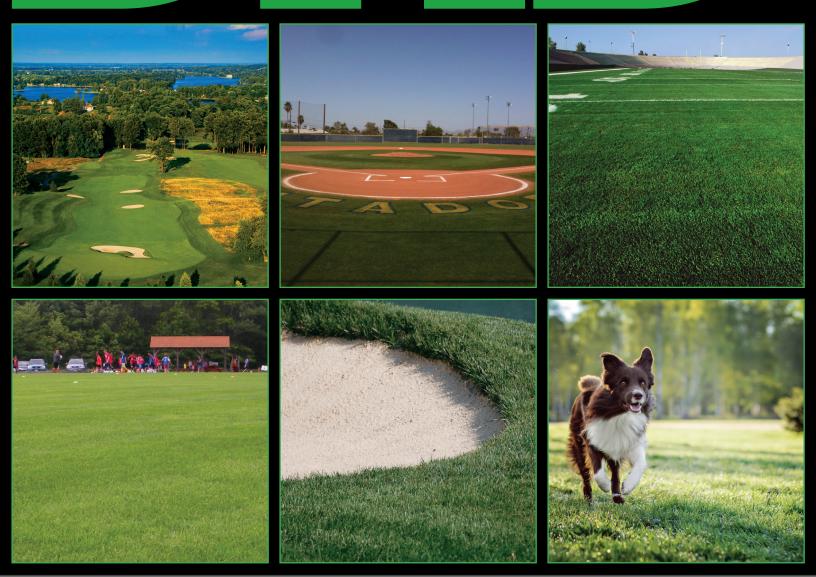
### PRODUCT CATALOG

# TURF & TREE PRODUCTS



Committed to Your Success 179 W. Kindt Street • P.O. Box 126 • Juneau, WI 53039 Toll-free: 866.343.8733 • Fax: 920.386.9005 • dhdproducts.com Turf and Tree Supplies • Fertilizers • Plant Protectants • Equipment

### Committed to Your Success



866.343.8733

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HERBICIDES	PRODUCT FEATURES	MODE OF ACTION	CASE PACK	RATE RANGE
<b>2-D</b> Competitive Brand: Confront®	Labeled for turf,* golf courses (fairways only) and non-crop areas. Controls annual and perennial broadleaf weeds in established turf- grass including sod farms, rangeland and permanent grass pastures, roadsides, CRP land and other non-crop areas. *See label for specific state restrictions.	Post-emergent	4 x 1 gal	1-2 pts/acre
<b>2DQ</b> Competitive Brands: Escalade <sup>®</sup> 2, Millennium <sup>®</sup> Ultra 2, Trimec <sup>®</sup> and / or Typical Three-way herbicides	Labeled for golf courses, residential and commercial turf, athletic fields, sod farms and non-crop areas. A three-way herbicide utilizing the active ingredient Quinclorac to provide superior control of annual and perennial broadleaf weeds in golf courses, residential and com- mercial turf, athletic fields, sod farms and other non-crop areas.	Post-emergent	2 x 2.5 gal	1-3 pts/acre
<b>3-D</b> Competitive Brand: Triplet <sup>®</sup>	Labeled for turf, golf courses and non-crop areas. For selective broadleaf weed control in turfgrass on golf courses, residential lawns and sod farms. Also for use in non-crop areas such as highways and rights-of-way.	Post-emergent	2 x 2.5 gal 30 gal drum 250 gal tote	2-2.5 pts/acre on warm season turf; 3-4 pts/ acre on cool season turf
Dithiopyr 40 WSB and 2L Competitive Brand: Dimension®	Labeled for nursery, landscape, turf, golf courses and non-crop areas. Early post-emergent control of crabgrass and pre-emergent control of grassy and broadleaf weeds in established turf.	Pre- and post-emergent	8 x (4 x 5 oz) 4 x 1 gal	1-4 water soluble packs/A 0.75-1.5 pts/A
<b>Glyphosate Plus</b> Competitive Brand: Roundup <sup>®</sup> Pro, Razor <sup>®</sup> Pro	Labeled for nursery, greenhouse, landscape, turf, non-crop areas and golf courses. Post-emergent, non-selective broadleaf weed control herbicide.	Post-emergent	2 x 2.5 gal 30 gal drum	1-5 qts/acre
<b>Oryzalin 4 PRO</b> Competitive Brand: Surflan <sup>®</sup> AS	Labeled for nursery, landscape, turf and non-crop areas. Pre-emergent weed control that can be used on over 400 ornamentals and warm season grasses.	Pre-emergent	2 x 2.5 gal	2-6 qts/acre
Prodiamine 65 WDG and 4L CompetitiveBrand: Barricade®	Labeled for nursery, landscape, turf, trees, golf courses and vegetation management. Pre-emergent broadleaf and grassy weed control. Low solubility and volatility. Allows for spring and fall use on crabgrass.	Post-emergent	6 x 5 lb 2 x 2.5 gal	0.5-2.3 oz/acre 10-48 fl oz/acre
Quinclorac 75 DF Competitive Brand: Drive®	Labeled for turf and golf courses. Post-emergent broad spectrum control of grassy and broadleaf weeds including crabgrass, clover, dandelion and bindweed.	Post-emergent	6 x 1 lb	1 lb/acre Note: for creepin bent grass consult label
<b>T/I 2.5 G</b> Competitive Brand: Snapshot®	Labeled for nursery, landscape, non-crop areas, ornamentals and conifer trees. Pre-emergent herbicide for certain broadleaf weed and annual grass control in landscape ornamentals, nurseries, conifer trees and non-crop areas.	Post-emergent	50 lb bag	100-200 lbs/acre
PLANT GROWTH REGULATORS	PRODUCT FEATURES	RETARDS GROWTH OF	CASE PACK	RATE RANGE
<b>Ethephon 2 SL</b> Competitive Brand: Proxy <sup>®</sup>	Labeled for nursery, landscape, turf, trees and golf courses. Retards growth in turfgrass, eliminates mistletoe in ornamental trees.	Listed turf and fruit- ing trees	2 x 2.5 gal	5 fl oz/1000 ft²
<b>T-NEX<sup>®</sup></b> Competitive Brand: PrimoMAXX <sup>®</sup>	Labeled for turf and golf courses. Manages growth, improves quality and stress tolerance. Used on warm- and cool-season turf grasses and for edging.	Listed turf grasses	2 x 1 gal 2 x 2.5 gal	6-44 fl oz/acre Consult label for turfgrass species
Pac Lo 2SC	Labeled for Athletic Fields and Non-Residential turfgrass. Pac-Low is a systemic plant growth regulator that slows vegetative growth by inhibiting gibberellin biosynthesis for use on non-residential turfgrass.	Poa annua, Bermuda grass, Bentgrass and perennial Ryegrass, Fairways, Tees, Roughs	4x1 gal	Greens 6.4 - 16 oz Acre Frwy and Tees 16 - 32 oz Acre
INSECTICIDES	PRODUCT FEATURES	FORMULA- TION TYPE	CASE PACK	RATE RANGE
<b>Bifenthrin G&amp;N 7.9F</b> Competitive Brand: Talstar®	Labeled for nursery, greenhouse, turf and golf courses. Controls numerous insects on trees, shrubs, foliage, non-bearing fruit and nut trees and flowers in greenhouses. Restricted use.	Flowable	4 x 1 gal	10-40 fl oz/acre
Imidacloprid 75 WSB and 2 F T&O Competitive Brand: Merit <sup>®</sup> 75 WSB	Labeled for landscape, turf, trees and golf courses. Foliar and systemic control of insects in turfgrass and landscape ornamentals.	Water Soluble Bag	4 x (4 x 1.6 oz) 88 x 1.6 oz 4 x 1 gal	Turf = 1.6 oz (1 pack) for 8,250-11,000 ft <sup>2</sup> 1.25 - 1.6 pts/A



FUNGICIDES	PRODUCT FEATURES	MODE OF ACTION	CASE PACK	RATE RANGE
<b>Chlorothalonil DF</b> Competitive Brand: Daconil <sup>®</sup> Ultrex <sup>®</sup>	Labeled for nursery, greenhouse, trees, irrigation and golf courses. Features preventative disease protection with multi-site activity which means no resistance with repeated use.	Contact broad-spectrum	2 x 10 lb	Turf = 5-8.8 lbs/acre Ornamental = 1-2.5 lb/100 gal
<b>Chlorothalonil 720</b> <b>SFT</b> Competitive Brand: Daconil <sup>®</sup> Weather Stik <sup>®</sup>	Labeled for nursery, greenhouse, landscape, irrigation and golf cours- es. Features preventative disease protection with multi-site activity, which means no resistance with repeated use.	Contact broad- spectrum	2 x 2.5 gal	Turf = 5.5-9.7 pts/acre Ornamental = 1.37 pt/100 gal
ENCLAVE®	Labeled for turf, golf course, trees, greens, aprons and fairways. Also labeled for greenhouse, nursery and landscape ornamentals. First fungicide with synergistic Quad-Control Technology™.	Contact and systemic broad-spectrum	2 x 2.5 gal	Turf = 3-8 oz/1000 ft <sup>2</sup> Ornamental= 32-44 oz/100 gal
<b>Fosetyl-Al 80 WDG</b> Competitive Brand: Aliette <sup>®</sup> WDG, Aliette <sup>®</sup> Signature	Labeled for nursery, greenhouse, turf and golf courses. Delivers long-lasting, broad-spectrum preventative control of diseases in turf, ornamentals and bedding plants.	Sysytemic Pythium Blight, Yellow Tuft, Phytophthora Downy Mildew	4 x 5.5 lb	Turf = 4-8 oz/1000 ft² Ornamental = 2.5-5 lbs/100 gal
<b>Ipro 2</b> Competitive Brand: 26019	Labeled for nursery, greenhouse, landscape, turf and golf courses. Provides year-round control of diseases on non-residential turf, golf courses, and non-residential ornamentals and flowers.	Locally systemic broad-spectrum	2 x 2.5 gal	Turf = 4-8 fl oz/1000 ft <sup>2</sup> Ornamental = 1-2.5 qts/acre
<b>Mefenoxam 2 AQ</b> Competitive Brand: SubdueMaxx <sup>®</sup>	Labeled for nursery, greenhouse, landscape, turf, trees and irrigation. Water-based formulation features low odor. Provides up to three weeks of protection.	Systemic Pythium, Phytophthora, Yellow Tuft, Downy Mildew	4 x 1 qt 2 x 1 gal 2 x 2.5 gal	Turf = $0.2-1 \text{ fl oz}/1000 \text{ ft}^2$ Ornamental DRENCH = $0.2-1.0 \text{ fl oz}/100 \text{ gal}$
<b>Myclobutanil 20 EW</b> <b>T&amp;O</b> Competitive Brand: Eagle <sup>®</sup>	Labeled for greenhouse, landscape, turf and golf courses. The system- ic solution for curative and preventative control of fungal diseases in turfgrass, ornamentals and fruit trees.	Systemic broad-spectrum	2 x 1 gal	Turf = 1-2.4 fl oz/1000 ft <sup>2</sup> Ornamental = 6-12 fl oz/ 100 gal
Propiconazole 14.3 Competitive Brand: BannerMaxx®	Labeled for nursery, landscape, turf, trees, golf courses and tree injec- tion. Microemulsion formula for less odor, better tank stability and excellent plant coverage. Broad spectrum control.	Systemic broad-spectrum	4 x 1 qt 2 x 1 gal 2 x 2.5 gal	Turf = 0.5-4 fl oz/1000 ft <sup>2</sup> Ornamental = 2-24 fl oz/100 gal
<b>Strobe® 2L</b> Competitive Brand: Heritage	Strobe 2L is a liquid formulation azoxystrobin fungicide which contains 2 pounds of active ingredient per gallon. Strobe 2L is a broad spectrum fungicide with protectant, curative, eradicant and systemic properties.	Systemic broad-spectrum	2 x 1 gal	0.38-1.35 oz/M
Strobe <sup>®</sup> T	Strobe T is a liquid formulation azoxystrobin and Tebuconazole fungicide. Strobe T is a broad spectrum fungicide with protectant, curative, eradicant and systemic properties.	Systemic broad-spectrum	2 x 1 gal	0.75-2.4 oz/M
<b>Tebuconazole 3.6F</b> Competitive Brand: Torque <sup>®</sup>	Labeled for nursery, landscape, turf (non-residential) and golf courses. Excellent preventative and curative control on a broad spectrum of disease pathogens. Rapid uptake in turf provides up to three weeks of residual disease control.	Systemic broad-spectrum	4 x 1 gal	Turf = 0.6 fl oz/1000 ft <sup>2</sup> Ornamental = 4-10 fl oz/100 gal
<b>TM/CWDG</b> Competitive Brand: Spectro® Thiophanate-methyl /CLT	Labeled for nursery, greenhouse, landscape, trees and golf courses. Provides cost-effective broad-spectrum disease control for cool and warm season grasses, turf and ornamentals.	Contact and systemic broad-spectrum	4 x 5 lb	Turf = 2-6 oz/1000 ft <sup>2</sup> Ornamental = 0.75-1.5 lbs/100 gal
<b>TM 4.5 Flowable</b> Competitive Brand: Cleary's 3336 <sup>°</sup> L	Labeled for nursery, greenhouse, landscape, turf, trees, irrigation and golf courses. Systemic, preventative protection against major turf and ornamental diseases.	Systemic broad-spectrum	2 x 2.5 gal	Turf = 2-3.5 fl oz/1000 ft <sup>2</sup> Ornamental = 10-33 fl oz/100 gal
SPRAY PATTERN INDICATOR	PRODUCT FEATURES	BENEFITS	CASE PACK	RATE RANGE
Foursome®	Labeled for turf and golf courses. A unique formulation pigment additive to enhance and extend the aesthetic appearance of the turf site following a pesticide application and for use as a spray pattern indicator.	Enhances and extends the appearance of turf	4 x 1 gal	15-20 fl oz/acre
			F	PTP
QUALI-PRO QUALI-PRO	QUALI-PRO QUALI-PRO QUALI-PRO	<u>QUALI-PRO</u>	<u>QUALI-PRO</u>	QUALI-PRO
T-NEX 1 AQ Produce Produce	2 ENCLAVE Flowable Fungicide Chlorothalonil 720 SFT Flowable fungicide Chlorothalonil 720 SFT Flowable fungicide Chlorothalonil fundacloprid Orramental 2F superse	TIM 4.5 Flowable Fungicide	Ipro 2 FUNGICIDE	Ethephon Plant Growth 2 SL



FERTILIZER	AVAILABLE PARTICLE SIZE	LBS./ACRE/ 1 LB. N	INGREDIENTS	AMINO ACID CONTENT	UNIT MEASURE PER CONTAINER
5-6-5 E.E.K.O. Mycorrhizae and Kelp Extract*	Fine	10-20 lbs/M = .5-1# N 435-870 lbs/A = .5-1# N	Meat, bone, feather and blood meals, sulpate of potash, mag- nesium endo/ecto Mycorrhizae and kelp extract, yeast, sugars, carbohydrates and humus	31.2%	50 Pound Bag
5-6-6 Starter Fertilizer	Fine	6.25-12.5 lbs/M = .5-1# N 272-545 lbs/A = .5-1# N	Meat, bone and blood meals, langbeinite, yeast sugars, carbo- hydrates and humus	31.2%	50 Pound Bag
8-3-5 Stress Guard Fertilizer	Super Fine Fine Course	6.25-12.5 lbs/M = .5-1# N 272-545 lbs/A = .5-1# N	Feather, meat, bone, blood and fish meals, langbeinite, yeast, sug- ars, carbohydrates and humus	49.9%	50 Pound Bag
8-5-5 Landscape Fertilizer	Pelleted	6.25-12.5 lbs/M = .5-1# N 272-545 lbs/A = .5-1# N	Feather, meat, bone, blood meals, sulfate of potash, yeast, sugars, carbohydrates and humus	50.1%	50 Pound Bag
9-0-9 Nitrogen & Potassium Fertilizer	Course	6.25-12.5 lbs/M = .5-1# N 272-545 lbs/A = .5-1# N	Feather, meat, and blood meals, sulphate of potash, yeast, sugars, carbohydrates and humus	56.1%	50 Pound Bag
10-0-8 Nitrogen & Potassium Fertilizer w/Kelp	Super Fine	5.5-11 lbs/M = .5-1# N 240-480 lbs/A = .5-1# N	Feather, meat, bone, and blood meals, sulfate of potash, yeast, sugars, carbohydrates and humus	60.2%	50 Pound Bag
10-2-8 All Season Fertilizer	Fine Course	5-10 lbs/M = .5-1# N 220-440 lbs/A = .5-1# N	Feather, meat, and blood meals, sulfate of potash, yeast, sugars, carbohydrates and humus	60.3%	50 Pound Bag
12-0-6 Ammonium Sulfate FortifiedFertilizer	Course	4.25-8.5 lbs/M = .5-1# N 85-370 lbs/A = .5-1# N	Feather, meat, bone, and blood meals, sulfate of potash, ammoni- um sulfate, yeast, sugars, carbohy- drates and humus	38.1%	50 Pound Bag
12-2-6 Ammonium Sulpate Fortified Fertilizer	Fine	4.25-8.5 lbs/M = .5-1# N 185-370 lbs/A = .5-1# N	Feather, meat, bone, and blood meals, sulfate of potash, ammoni- um sulfate, yeast, sugars, carbohy- drates and humus	38.3%	50 Pound Bag
16-0-2 Triple Play 12% SN	Course	3.25-6.5 lbs/M = .5-1# N 142-284 lbs/A = .5-1# N	Hydrolyzed feather meal, urea nitrogen, ammonium sulfate, meat meal, sulfate of potash and blood meal	12.5%	50 Pound Bag
18-0-4 Blended w/33% MESA	Fine	4.25-8.5 lbs/M = .5-1# N 185-370 lbs/A = .5-1# N	Hydrolyzed feather meal, methy- lene urea, ammonium sulfate, meat meal, sulfate of potash, urea and blood meal	42.1%	50 Pound Bag

## THERE'S NO SUCH THING AS SMART WATER

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management across a variety of soil types.

ALYPSO™ is rocket science for turf that

utilizes naturally-derived raw materials

for firm, fast conditions while reducing run-off and standing water. TRIPLO™ gives water direction with its unique combination of three surfactants at a cost affordable enough for use on fairways. Look for these solutions and more from the innovation pipeline at Precision Laboratories.

Find out more from your Precision Laboratories distributor or visit **precisionlab.com** 

> PRECISION LABORATORIES Results.Expect it:



#### Results.Expect it:

SURFACTANTS	DESCRIPTION	RATE OF APPLICATION	UNIT MEASURE PER CONTAINER
Alypso	Infitration Surfactant	0.365 oz/M	2 x 2.5 Gallon/Case 20 Gallon Drum
Alypso Plus	Infitration Surfactant+Water Conditioner Injection- 1 qt/A Spray75-1 oz/M	1 qt/A Spray75-1 oz/M	2 x 2.5 Gallon/Case 20 Gallon Drum
Cascade G16	Extended life soil surfactant, granular	.5# - 7# / M Every 3-6 months	42 Pound Bag
Cascade PLUS	Extended life soil surfactant	8 oz - 16 oz/M or 4 oz + 1 oz/M Duplex Monthly	2 x 2.5 Gallon/Case 55 Gallon Drum
DuPlex	Injectable soil surfactant	Initial app: 20 oz/A adjust up or down in 4 oz/A increments as needed	2 x 2.5 Gallon/Case 55 Gallon Drum
DuPlex Ultra	Ultra soil surfactant	16-24 oz/A adjust up or down in 2 oz/A increments as needed	2 x 2.5 Gallon/Case 20 Gallon Drum
Magnus	Soil surfactant	4 oz/M every 30 days	2 x 2.5 Gallon/Case 20 Gallon Drum
MagnaPlex	Magnus/DuPlex combo	5 oz/M every 30 days	2 x 2.5 Gallon/Case 20 Gallon Drum
TripLo	Penitrant, Infiltration, Hydration 2.5-5 oz/M every 14-28 days	2.5-5 oz/M every 14-28 days	2 x 2.5 Gallon/Case 20 Gallon Drum
Vivax	Premium soil surfactant	3-5 oz/M every 14-30 days	2 x 2.5 Gallon/Case 20 Gallon Drum
Vivax Tabs	Premium Surfactant for Hand Watering hot spot treatments	One 6-ounce (170 gram) tablet treats 12,000 to 18,000 sq. ft. Coverage may be affected by water tem- perature, water pressure and application technique	12 x 6 Ounce/Case

### VIVAX<sup>TM</sup>

### HYDRATION AND INFILTRATION

Vivax<sup>™</sup> is a combination of new surfactant technologies designed to manage water across a wide range of soil and turf types, making it ideal for use on golf courses and sports turf.

#### WHAT MAKES IT BETTER:

- Manages water across a wide range of soils and turf types.
- Effective in programs that increase microbial populations.
- Improves soil solubility and soil hydration.



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### Results.Expect it:

Results. Expect It.				
ADJUVANT	DESCRIPTION	RATE OF APPLICATION	UNIT MEASURE PER CONTAINER	
AquaLock	Anti-transparent	2-8 oz/M	2 x 2.5 Gallon/Case 20 Gallon Drum	
Borders EG250	Drift Control	2-8 oz/M	12 x 25 Ounce/Case	
Chem-Stik	Sticker	4-8 oz/100 gal wate	4 x 1 Gallon/Case	
Convert	Compatibility Agent	4-5 pt/100 gal	2 x 2.5 Gallon/Case	
DeLux	AMS Plus Surfactant Adjuvant	4-5 qt/100 gal 5-10 qt/100 gal for glyphosate	2 x 2.5 Gallon/Case	
Direct	Drift Retardant	1-4 oz/100 gal	12 x 1 Gallon/Case	
Microyl	Crop oil Replacement Adjuvant	3-4 pt/100 gal	2 x 2.5 Gallon/Case 4 x 1 Gallon/Case	
New Balance	pH Buffer	Depends on desired PH	6 x 1 Gallon/Case	
Pen-A-Trate II	Premium non-ionic surfactant	1-4 pt/100 gal	4 x 1 Gallon/Case	
Speed	Non-ionic silicone surfactant	6-13 oz/100 gal	4 x 1 Gallon/Case	
SYNC	Fungicide Activator	1 pt/100 gal	12 x 1 Pint/Case	
Transport Ultra	AS Replacement w/surfactant	1-2 qt/100 gal	2 x 2.5 Gallon/Case	
COLORANTS	DESCRIPTION	RATE OF APPLICATION	UNIT MEASURE PER CONTAINER	
Replace	Divot Mix Colorant	6-12 oz/100 lb	2 x 2.5 Gallon/Case	
ReGreen	Drift Control	8-12 oz/M in sufficient water	2 x 2.5 Gallon/Case	
EQUIPMENT	DESCRIPTION	RATE OF APPLICATION	UNIT MEASURE PER CONTAINER	
Pump, Steel Drum	Pump for steel drum		1	
Spigot, Drum	Spigot for Drum		2 Inch	
Palaton Pump with Kit	Irrigation system injection pump			



### Results.Expect it:

INDICATORS	DESCRIPTION	RATE OF APPLICATION	UNIT MEASURE PER CONTAINER
Envy	Turf Pigment	16 oz/Al	4 x 1 Gallon/Case
RunWay	Turf marking foam	3 oz/2 gal	12 x 1 Quart/Case
Signal Blue EZ SoluPak	Tracker	1 pak/50 gal	48 x 1 Ounce/Case
Signal Green EZ SoluPak	Tracker	1 pak/50 gal	48 x 1 Ounce/Case
Super Signal Blue	Tracker	16-32 oz/100 gal	12 x 1 Quart/Case
Super Signal Green	Tracker	16-32 oz/100 gal	12 x 1 Quart/Case
WinterGreen Plus	Sprayable Turf Cover & Colorant	Cover: 16-32 oz/M Colorant: 8-12 oz/M	2 x 2.5 Gallon/Case
MAINTENANCE CHEMISTRY	DESCRIPTION	RATE OF APPLICATION	UNIT MEASURE PER CONTAINER
Erase	Spray System Cleaner	1 qt/50 gal	12 x 1 Quart/Case
KnockDown	Defoamer	1-4 oz/100 gal	12 x 1 Quart/Case
Reduran	Dye Removing Hand Cleaner		50x3.38 Ounce/Tubes
AQUATICS	DESCRIPTION	RATE OF APPLICATION	UNIT MEASURE PER CONTAINER
Devour	Aquatic Waste & Sludge Remover	Intial: 3-6#/A ft Maint: 1.5-2#/A ft	24 x 8 Ounce/Case
Jet Black	Pond Dye	1 pak/A ft(325,000 gal)	24 x 5.25 Ounce/Case
Spectrum	Aquatic Nutrient Balancer	Intial: 3-6#/A ft Maint: 1.5-2#/A ft	24 x 5.25 Ounce/Case
Precise Pond	Nutrient & Sludge metabolizer	Intial: 3-6#/A ft Maint: 1.5-2#/A ft	6 x 1 Ounce/Case
True Blue	Lake & Pond Dye	1 qt/A ft	2 x 2.5 Gallon/Case
True Blue EZ SoluPak	Lake & Pond Dye	1 pak/A ft	24 x 5.25 Ounce/Case

### Yellow Jacket<sup>®</sup> Enhanced Seed Coating

The Barenbrug advantage in seed coating technology includes using our worldwide network of research stations to create coatings that enhance seed performance, turf establishment and long-term turf performance.



Since introduced in 2006, Yellow Jacket<sup>®</sup> Seed Enhancement has proven to be a successful key to helping our customers establish turf in demanding applications. Numerous independent university tests have proven grass seed enhanced with Yellow Jacket technology greatly outperforms raw seed.

#### UNIQUE COATING WITH OUTSTANDING PERFORMANCE

- Provides super-absorbency Apron XL Plant nutrition in one package
- Improved germination in low humidities, areas prone to wind, with limited water or poor coverage
- Protection against *Pythium sp.* seedling disease for up to three weeks
- Stronger, more extensive early root development
- Improved germination with stronger establishment and uniformity

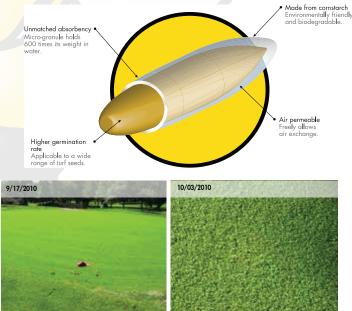
#### How does Yellow Jacket work?

Holding up to 600 times its own weight in water, Yellow Jacket's super-absorbent coating holds moisture, nutrients and disease protection around the seed from germination through early establishment. Without coating, water quickly moves past the seed, allowing it to dry out more easily and resulting in the need for more-frequent watering, higher irrigation costs and greater disease potential.

The Yellow Jacket absorbent coating also increases the density and visibility of the seed, an especially strong benefit for smaller seeds such as bentgrass, bermudagrass and bluegrass. This added bulk density makes seeding easier and more accurate while allowing for a more uniform distribution pattern when applied with a seed spreader. Seed stays where it falls due to the extra weight and will move down through the turf canopy to the soil surface more easily.

9/08/2010

The coating also contains Apron XL<sup>®</sup> (ai. Mefenoxam), a systemic fungicide that quickly protects the newly germinated seeds from *Pythium* seedling diseases. This protection is enhanced as the coating holds the fungicide close to the seed for up to three weeks after water is applied. During this time, new roots are protected and allowed to thrive for faster establishment and healthier growth, especially during periods of high heat and increased disease pressure.



Time lapse photography shows how quickly Yellow Jacket coated bentgrass establishes all while reducing water usage. Pine Lakes Golf and Tennis Club in Lincoln, Nebraska. Pat Jones, Superintendent was mowing at 1/2" 3 weeks after sowing.

9/03/2010

### **BARENBRUG** Great in Grass<sup>®</sup>

BENTGRASS	DESCRIPTION	RATE OF	UNIT MEASURE
W/YELLOW JACKET	DESCRIPTION	APPLICATION	PER CONTAINER
PennCross	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bag
Bengal	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bucket
PennEagle II	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bag
PennLinks II	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bag
Crystal Bluelink	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bag
PennTrio	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bucket
Nu-Penn Blend	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bucket
Penn A-4	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bucket
Penn A-1	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bucket
Penn A1/A4	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bucket
Penn G2	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bucket
Penn G6	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bucket
SeaSide II	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bucket
L-93	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bucket
Alpha	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bucket
Independence	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bucket
Legendary (Velvet)	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bucket
Advanced Tee Blend	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bag
Pure Distinction	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bucket
Pure Select	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bucket
Replay Blend	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bucket
Proclamation	Creeping Bentgrass	.5-1.5 lbs/M	25 Pound Bucket
		RATE OF	UNIT MEASURE
		RAIFUE	
PRODUCT	DESCRIPTION		
		APPLICATION	PER CONTAINER
Turf Star RPR	Regenerating Perennial		
Turf Star RPR w/Yellow Jacket		APPLICATION	PER CONTAINER
Turf Star RPR w/Yellow Jacket RTF	Regenerating Perennial	APPLICATION	PER CONTAINER
Turf Star RPR w/Yellow Jacket RTF w/Yellow Jacket	Regenerating Perennial Ryegrass	APPLICATION 5-7 lbs/M	PER CONTAINER       50 Pound Bag
Turf Star RPR w/Yellow Jacket RTF w/Yellow Jacket Turf Blue	Regenerating Perennial Ryegrass	APPLICATION 5-7 lbs/M	PER CONTAINER       50 Pound Bag
Turf Star RPR w/Yellow Jacket RTF w/Yellow Jacket Turf Blue w/Yellow Jacket	Regenerating Perennial Ryegrass Regenerating Tall Fescue Blend of Kentucky Blue	APPLICATION 5-7 lbs/M 7-10 lbs/M	PER CONTAINER         50 Pound Bag         50 Pound Bag
Turf Star RPR w/Yellow Jacket RTF w/Yellow Jacket Turf Blue w/Yellow Jacket HGT Turf Blue	Regenerating Perennial Ryegrass Regenerating Tall Fescue Blend of Kentucky Blue Healthy Grass Technology Kentucky Blue Grass with Dormant Breaker	APPLICATION 5-7 lbs/M 7-10 lbs/M	PER CONTAINER         50 Pound Bag         50 Pound Bag
Turf Star RPR w/Yellow Jacket RTF w/Yellow Jacket Turf Blue w/Yellow Jacket HGT Turf Blue w/Yellow Jacket	Regenerating Perennial Ryegrass Regenerating Tall Fescue Blend of Kentucky Blue Healthy Grass Technology Kentucky Blue Grass	APPLICATION 5-7 lbs/M 7-10 lbs/M 1-3 lbs/M	PER CONTAINER         50 Pound Bag         50 Pound Bag         50 Pound Bag         50 Pound Bag
Turf Star RPR w/Yellow Jacket RTF w/Yellow Jacket Turf Blue w/Yellow Jacket HGT Turf Blue w/Yellow Jacket HGT Turf Blue	Regenerating Perennial Ryegrass Regenerating Tall Fescue Blend of Kentucky Blue Healthy Grass Technology Kentucky Blue Grass with Dormant Breaker Premium KBG Blend featuring Barvette KBG Healthy Grass Technology Kentucky Blue Grass	APPLICATION 5-7 lbs/M 7-10 lbs/M 1-3 lbs/M 1-3 lbs/M	PER CONTAINER         50 Pound Bag
Turf Star RPR w/Yellow Jacket RTF w/Yellow Jacket Turf Blue w/Yellow Jacket HGT Turf Blue w/Yellow Jacket HGT Turf Blue w/Yellow Jacket	Regenerating Perennial Ryegrass Regenerating Tall Fescue Blend of Kentucky Blue Healthy Grass Technology Kentucky Blue Grass with Dormant Breaker Premium KBG Blend featuring Barvette KBG	APPLICATION 5-7 lbs/M 7-10 lbs/M 1-3 lbs/M	PER CONTAINER         50 Pound Bag         50 Pound Bag         50 Pound Bag         50 Pound Bag
Turf Star RPR w/Yellow Jacket RTF w/Yellow Jacket Turf Blue w/Yellow Jacket HGT Turf Blue w/Yellow Jacket HGT Turf Blue w/Turf Star RPR w/Yellow Jacket	Regenerating Perennial Ryegrass         Regenerating Tall Fescue         Blend of Kentucky Blue         Healthy Grass Technology Kentucky Blue Grass with Dormant Breaker         Premium KBG Blend featuring Barvette KBG         Healthy Grass Technology Kentucky Blue Grass with Regenerating Perennial Rye Grass 80% KBG Blend 20% RPR	APPLICATION 5-7 lbs/M 7-10 lbs/M 1-3 lbs/M 1-3 lbs/M	PER CONTAINER         50 Pound Bag
Turf Star RPR w/Yellow Jacket RTF w/Yellow Jacket Turf Blue w/Yellow Jacket HGT Turf Blue w/Yellow Jacket HGT Turf Blue w/Yellow Jacket Sports Blend	Regenerating Perennial Ryegrass         Regenerating Tall Fescue         Blend of Kentucky Blue         Healthy Grass Technology Kentucky Blue Grass with Dormant Breaker Premium KBG Blend featuring Barvette KBG         Healthy Grass Technology Kentucky Blue Grass with Regenerating Perennial Rye Grass 80% KBG Blend 20% RPR         80% Turf Blue Kentucky Blue Grass 20% Ryegrass with Dormant Breaker	APPLICATION 5-7 lbs/M 7-10 lbs/M 1-3 lbs/M 1-3 lbs/M	PER CONTAINER         50 Pound Bag
Turf Star RPR w/Yellow Jacket RTF w/Yellow Jacket Turf Blue w/Yellow Jacket HGT Turf Blue w/Yellow Jacket HGT Turf Blue w/Turf Star RPR w/Yellow Jacket Sports Blend w/Yellow Jacket	Regenerating Perennial Ryegrass         Regenerating Tall Fescue         Blend of Kentucky Blue         Healthy Grass Technology Kentucky Blue Grass with Dormant Breaker Premium KBG Blend featuring Barvette KBG         Healthy Grass Technology Kentucky Blue Grass with Regenerating Perennial Rye Grass 80% KBG Blend 20% RPR         80% Turf Blue Kentucky Blue Grass 20% Ryegrass	APPLICATION 5-7 lbs/M 7-10 lbs/M 1-3 lbs/M 1-3 lbs/M 3-6 lbs/M	PER CONTAINER         50 Pound Bag
Turf Star RPR w/Yellow Jacket RTF w/Yellow Jacket Turf Blue w/Yellow Jacket HGT Turf Blue w/Yellow Jacket HGT Turf Blue w/Yellow Jacket Sports Blend w/Yellow Jacket Dunes Mix	Regenerating Perennial Ryegrass         Regenerating Tall Fescue         Blend of Kentucky Blue         Healthy Grass Technology Kentucky Blue Grass with Dormant Breaker         Premium KBG Blend featuring Barvette KBG         Healthy Grass Technology Kentucky Blue Grass with Dormant Breaker         Premium KBG Blend featuring Barvette KBG         Healthy Grass Technology Kentucky Blue Grass with Regenerating Perennial Rye Grass 80% KBG Blend 20% RPR         80% Turf Blue Kentucky Blue Grass 20% Ryegrass with Dormant Breaker         40% Barduke 40% Barrister KBG 20% RPR         Fine Fescue Mix with Dormant Breaker	APPLICATION 5-7 lbs/M 7-10 lbs/M 1-3 lbs/M 1-3 lbs/M 3-6 lbs/M	PER CONTAINER         50 Pound Bag
Turf Star RPR w/Yellow Jacket RTF w/Yellow Jacket Turf Blue w/Yellow Jacket HGT Turf Blue w/Yellow Jacket HGT Turf Blue w/Turf Star RPR w/Yellow Jacket Sports Blend w/Yellow Jacket	Regenerating Perennial Ryegrass         Regenerating Tall Fescue         Blend of Kentucky Blue         Healthy Grass Technology Kentucky Blue Grass with Dormant Breaker         Premium KBG Blend featuring Barvette KBG         Healthy Grass Technology Kentucky Blue Grass with Dormant Breaker         Premium KBG Blend featuring Barvette KBG         Healthy Grass Technology Kentucky Blue Grass with Regenerating Perennial Rye Grass 80% KBG Blend 20% RPR         80% Turf Blue Kentucky Blue Grass 20% Ryegrass with Dormant Breaker         40% Barduke 40% Barrister KBG 20% RPR	APPLICATION 5-7 lbs/M 7-10 lbs/M 1-3 lbs/M 3-6 lbs/M 3-8 lbs/M	PER CONTAINER         50 Pound Bag
Turf Star RPR w/Yellow Jacket RTF w/Yellow Jacket Turf Blue w/Yellow Jacket HGT Turf Blue w/Yellow Jacket HGT Turf Blue w/Yellow Jacket Sports Blend w/Yellow Jacket Dunes Mix w/Yellow Jacket Champion Express	Regenerating Perennial Ryegrass         Regenerating Tall Fescue         Blend of Kentucky Blue         Healthy Grass Technology Kentucky Blue Grass with Dormant Breaker Premium KBG Blend featuring Barvette KBG         Healthy Grass Technology Kentucky Blue Grass with Regenerating Perennial Rye Grass 80% KBG Blend 20% RPR         80% Turf Blue Kentucky Blue Grass 20% Ryegrass with Dormant Breaker 40% Barduke 40% Barrister KBG 20% RPR         Fine Fescue Mix with Dormant Breaker 60% Barcrown II 40% Bridgeport II         Quality Sun and Shade Mix with Dormant Breaker	APPLICATION 5-7 lbs/M 7-10 lbs/M 1-3 lbs/M 3-6 lbs/M 3-8 lbs/M	PER CONTAINER         50 Pound Bag
Turf Star RPR w/Yellow Jacket RTF w/Yellow Jacket Turf Blue w/Yellow Jacket HGT Turf Blue w/Yellow Jacket HGT Turf Blue w/Turf Star RPR w/Yellow Jacket Sports Blend w/Yellow Jacket Dunes Mix w/Yellow Jacket	Regenerating Perennial Ryegrass         Regenerating Tall Fescue         Blend of Kentucky Blue         Healthy Grass Technology Kentucky Blue Grass with Dormant Breaker Premium KBG Blend featuring Barvette KBG         Healthy Grass Technology Kentucky Blue Grass with Regenerating Perennial Rye Grass 80% KBG Blend 20% RPR         80% Turf Blue Kentucky Blue Grass 20% Ryegrass with Dormant Breaker 40% Barduke 40% Barrister KBG 20% RPR         Fine Fescue Mix with Dormant Breaker 60% Barcrown II 40% Bridgeport II         Quality Sun and Shade Mix with Dormant Breaker 50% KBG 25% PR 25% CRF	APPLICATION 5-7 lbs/M 7-10 lbs/M 1-3 lbs/M 3-6 lbs/M 3-8 lbs/M 4-8 lbs/M	PER CONTAINER         50 Pound Bag
Turf Star RPR w/Yellow Jacket RTF w/Yellow Jacket Turf Blue w/Yellow Jacket HGT Turf Blue w/Yellow Jacket HGT Turf Blue w/Yellow Jacket Sports Blend w/Yellow Jacket Dunes Mix w/Yellow Jacket Champion Express	Regenerating Perennial Ryegrass         Regenerating Tall Fescue         Blend of Kentucky Blue         Healthy Grass Technology Kentucky Blue Grass with Dormant Breaker Premium KBG Blend featuring Barvette KBG         Healthy Grass Technology Kentucky Blue Grass with Regenerating Perennial Rye Grass 80% KBG Blend 20% RPR         80% Turf Blue Kentucky Blue Grass 20% Ryegrass with Dormant Breaker 40% Barduke 40% Barrister KBG 20% RPR         Fine Fescue Mix with Dormant Breaker 60% Barcrown II 40% Bridgeport II         Quality Sun and Shade Mix with Dormant Breaker	APPLICATION 5-7 lbs/M 7-10 lbs/M 1-3 lbs/M 3-6 lbs/M 3-8 lbs/M 4-8 lbs/M	PER CONTAINER         50 Pound Bag         50 Pound Bag
Turf Star RPR w/Yellow Jacket RTF w/Yellow Jacket Turf Blue w/Yellow Jacket HGT Turf Blue w/Yellow Jacket HGT Turf Blue w/Yellow Jacket Sports Blend w/Yellow Jacket Dunes Mix w/Yellow Jacket Champion Express w/Yellow Jacket	Regenerating Perennial Ryegrass         Regenerating Tall Fescue         Blend of Kentucky Blue         Healthy Grass Technology Kentucky Blue Grass with Dormant Breaker Premium KBG Blend featuring Barvette KBG         Healthy Grass Technology Kentucky Blue Grass with Regenerating Perennial Rye Grass 80% KBG Blend 20% RPR         80% Turf Blue Kentucky Blue Grass 20% Ryegrass with Dormant Breaker 40% Barduke 40% Barrister KBG 20% RPR         Fine Fescue Mix with Dormant Breaker 60% Barcrown II 40% Bridgeport II         Quality Sun and Shade Mix with Dormant Breaker 50% KBG 25% PR 25% CRF         Quality Sun and Shade Mix	APPLICATION           5-7 lbs/M           7-10 lbs/M           1-3 lbs/M           1-3 lbs/M           3-6 lbs/M           3-8 lbs/M           4-8 lbs/M           3-8 lbs/M	PER CONTAINER         50 Pound Bag

### More brands. Better performance.

## LebanonTurf

#### Best of All Worlds™

Products	DESCRIPTION	RATE OF APPLICATION	UNIT MEASURE PER CONTAINER
CPR	4-0-1 Sea Plant Extract, Fe with Micronutrients	6-9 oz / M every 14 days: 2-3 gal / A	2 x 2.5 Gallon/Case
CPR 15	4-0-1 Sea Plant Extract, Fe with Micronutrients	6-9 oz / M every 14 days: 2-3 gal / A	15 Gallon Drum
True Foliar N	19-1-6 with Micronutrients	3-4 oz / M 7-14 days: 1-1.4 gal / A	2 x 2.5 Gallon/Case
True Foliar P	6-12-6 with Micronutrients	3-4 oz / M 7-14 days: 1-1.4 gal / A	2 x 2.5 Gallon/Case
True Foliar NPK Plus	10-3-16 with Sea Plant Extract	3-4 oz / M 7-14 days: 1-1.4 gal / A	2 x 2.5 Gallon/Case
True Foliar K	2-0-16 with Micronutrients	3-4 oz / M 7-14 days: 1-1.4 gal / A	2 x 2.5 Gallon/Case
True Foliar Si	3-0-10 with Silica	3-4 oz / M 7-14 days: 1-1.4 gal / A	2 x 2.5 Gallon/Case
True Foliar Ca	8-0-4 with 8% Calcium	3-4 oz / M 7-14 days: 1-1.4 gal / A	2 x 2.5 Gallon/Case
True Foliar N-K Balance	10-0-10 with Micronutrients	6-12 oz / M every 7-14 days: 2-4 gal / A	2 x 2.5 Gallon/Case
True Foliar MgMn	6-0-0 Magnesium and Manganese	3-4 oz / M 7-14 days: 1-1.4 gal / A	2 x 2.5 Gallon/Case
Fairway 30	30-0-0 8.40% Ammoniacal N, 8.40% Nitrate N, 13.20% Urea with Sea Plant Extract	4-6 oz / M every 7-14 days: 1.4-2 gal / A	55 Gallon Drum
Fairway SeaQuential	6-0-2 Chelated Fe with Sea Plant Extract	2-3 oz / M every 21-28 days: .7-1 gal / A	15 Gallon Drum
PanaSea Plus	0-2-2 Liquified Sea Plant Extract	2-3 oz / M every 7-14 days	2 x 2.5 Gallon/Case
Sand-Aid	1-0-1 Soil Conditioner		50 Pound Bag
Bio Bloom	4-6-4 For Roses and Flowering Plants	50# / M = 2# N for preplanting of beds	50 Pound Bag
GroWin	5-1-2 All Organic Granular Rootzone Amendment	25# / M = 1.25# N to new rootzones	50 Pound Bag 1000 Pound Tote



# Emerald Isle Solutions<sup>TM</sup>

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PRODUCT	DESCRIPTION	RATE OF APPLICATION	UNIT MEASURE PER CONTAINER
0-0-50	SOP SGN145	100# p/A = 1.15# K	50 Pound Bag
Country Club 17-0-5	50% Meth Ex SGN 100	5.8# p/M 253# p/A = 1# N	50 Pound Bag
Country Club 19-0-19	100% Mesa, 3% Fe; SGN145	5.2# p/M 226# p/A = 1# N / 1# K	50 Pound Bag
Country Club 27-0-5	Mesa/Nex Pro SGN 145 Homogenized	3.8# p/M 166# p/A = 1# N SGN 145	50 Pound Bag
Country Club 25-0-15	50% MethX 100% Expo SGN145	4# p/M 174# p/A = 1# N / .6# K	50 Pound Bag
Country Club 13-25-12	All Mineral Starter SGN 195 Homogenized	6# p/M 261# p/A = 1.5# P 4# p/M 174# p/A = 1# P	50 Pound Bag
Country Club MD 12-0-24	55% Meth Ex SGN80	4.2# p/M 183# p/A = 1# K	40 Pound Bag
Country Club MD 12-24-8	40% Meth EX SGN 80	4.2# p/M 183# p/A = 1# K	40 Pound Bag
Country Club MD 18-0-18	55% Meth Ex SGN80	5.2# p/M 226# p/A = 1# N / 1# K	40 Pound Bag
Country Club MD 22-0-16	80% Meth Ex SGN 80	4.6# p/M 200# p/A = 1# N	40 Pound Bag
Leb Pro 0-0-7 with Merit	<b>.2% Merit</b> MOP; SGN 220	150# p/A Low Rate 200# p/A High Rate	50 Pound Bag
Leb Pro 13-0-4 with Prodiamine	13-0-4 LSN; <b>.38 Prodiamine</b>	170# p/A - 195# p/A = .65# AI75# AI	50 Pound Bag
Leb Pro 16-0-5 with Barricade	43% Mesa; <b>.38 Barricade</b>	140# p/A - 192# p/A	50 Pound Bag
Leb Pro 10-20-5	Starter 1% Fe BioSolid SGN 220	218# p/A = 1# P	40 Pound Bag
Leb Pro 18-0-3	40% PCSCU 2% Fe BioSolid	244# p/A = 1# N	50 Pound Bag
Leb Pro 25-0-6	30% PCSCU 2% Fe BioSolid	174# p/A = 1# N	50 Pound Bag



### More brands. Better performance.

# LebanonTurf

### Best of All Worlds™

	DECODIDITION	RATE OF	UNIT MEASURE
PRODUCT	DESCRIPTION	APPLICATION	PER CONTAINER
ProScape 38-0-0 with Acelepryn plus Dimension	38-0-0 100% Meth Ex .067 Acelepryn + .167% or .253% Dimension Season-long protection against grubs and crabgrass	150# p/A	50 Pound Bag
ProScape 32-0-0 with Acelepryn plus Dimension	32-0-0 100% Mesa .067 Acelepryn + .167% Dimension Season-long protection against grubs and crabgrass	150# p/A	50 Pound Bag
<b>ProScape 30-0-10</b> with Acelepryn plus Dimension	30-0-10 100% Meth Ex 100% Expo .067 Acelepryn + .167% or .253% Dimension Season-long protection against grubs and crabgrass	150# p/A	50 Pound Bag
ProScape 25-0-5 with Acelepryn plus Dimension	25-0-5 51% Mesa 100% Expo .067 Acelepryn + .167% Dimension Season-long protection against grubs and crabgrass Available in 145 SGN or 195 SGN	150# p/A	50 Pound Bag
ProScape 19-0-24 with Acelepryn plus Dimension	19-0-24 51% Mesa 100% Expo .067 Acelepryn + .167% Dimension Season-long protection against grubs and crabgrass	150# p/A	50 Pound Bag
ProScape 19-0-9 with Acelepryn plus Dimension	19-0-9 50% Mesa 100% Expo .067 Acelepryn + .253% Dimension Season-long protection against grubs and crabgrass	150# p/A	50 Pound Bag
ProScape 13-0-5 with Acelepryn plus Dimension	13-0-5 51% Mesa 100% Expo .067 Acelepryn + .167% Dimension Season-long protection against grubs and crabgrass	150# p/A	50 Pound Bag
ProScape 8-0-0 with Acelepryn plus Dimension	8-0-0 All Mineral .067 Acelepryn + .167% Dimension Season-long protection against grubs and crabgrass	150# p/A	50 Pound Bag
ProScape 20-0-10	60% Mesa 100% Expo SGN 145	218# p/A = 1# N 109# p/A = .5# N	50 Pound Bag
ProScape 20-0-5 with Merit	30% Mesa, <b>.2 Merit</b>	154# p/A = Low Rate 208# p/A = High Rate	50 Pound Bag
ProScape 20-0-7 with Trimec	20-0-7 25% Meth Ex, <b>Trimec</b>	140# p - 218# p / A	50 Pound Bag
ProScape 25-0-5	51% Mesa 1% Fe SGN220	174# p/A = 1# N	50 Pound Bag
ProScape 40-0-0	100% Meth Ex SGN 145	114# p/A = 1# N	50 Pound Bag
Wood Ace 20-20-20	Soluble Spray Grow	1 cup / 20 gal H2O  1 TBLS / 1 gal H2O 2# p / 100 gal H2O	20 Pound Bucket
Wood Ace 12-3-6	A.C.R.E. Acidifying Fertilizer 28% crn	1# p - 2.5# p / 100 sq ft	50 Pound Bag
Wood Ace 14-14-14	Flowering 57% crn	1.4# p - 2.9# p / 100 sq ft = 2-4# N	50 Pound Bag
Wood Ace 14-14-6	Tablets 57%crn	Tree and Shrub Tablets: Based on size	22.5 Pound Bucket
Wood Ace 18-5-10	Long term 72% crn	1.1# p - 3.3# p / 100 sq ft = 2-6# N	50 Pound Bag
Preen Plus	Pre-emergent for Landscape Beds (30 bags per pallet)	6.1# p/M .61# p/100 sq ft	20 Pound Bag
Penn Mulch	Seed accelerator (40 bags per pallet)		50 Pound Bag
Lebanon Turf Penn Mulch Spreader			
Lebanon Turf Spyker Spreader			







PRODUCT	DESCRIPTION	RATE OF APPLICATION	UNIT MEASURE PER CONTAINER
Solu-Cal S	21% Ca 16% S E D G SGN Micro	12# p / M Initial rate 6# p / M Maintenance Rate	50 Pound Bag
Solu-Cal S	21% Ca 16% S E D G SGN 190-210	12# p / M Initial rate 6# p / M Maintenance Rate	50 Pound Bag
K-Cal Plus 0-0-24-10	0-0-24-10 6% Mg SOP 17%	100# p / A - 200# p / A	50 Pound Bag





PRODUCT	DESCRIPTION	COLORS	UNIT MEASURE PER CONTAINER
Bulk Athletic Field Marker	A long lasting field marking paint for grass and dirt. This biodegradable paint is VOC compliant, safe for grass, and dries in 30 minutes. Will not harm the uniforms or players, and can be applied by brush, roller or airless spray to produce well defined stripes.	Yellow, Red, Blue, Green and White	5 gallon pail or 1 gallon pre-mix that is ready to spray
Golf & Turf Marker	A water-base marker for use on golf courses and other porous applications. Formulated not to harm grass, this marker is not water soluble and will not wash away during rain or irrigation.	Yellow, Red, Blue, Green and White	12 x 12 Ounce/Case



NOZZLES	DESCRIPTION	РНОТО	
IRNZ008	1" NPSH Nozzle 10 To 24 GPM without Bumper		
IRNZ009	1" NPSH Nozzle 10 To 24 GPM with Bumper*		
IRNZ010	1" NPSH Nozzle 35 GPM with Bumper*		
IRNZ012	1 1/2" NPSH Nozzle 20 To 60 GPM with Bumper*		
IRNZ015	1" NPSH Nozzle 20 To 100 GPM with Bumper*		
IRNZ015-HV	3/4" Garden Hose Thread Nozzle 10 To 24 GPM with Bumper*		
IRNZ016	3/4" Garden Hose Thread 35 GPM with Bumper*		
IRNZ017	3/4" Garden Hose Thread 35 GPM with Bumper*		
IRNZ022	1" NPSH Aluminum Flat Spray Nozzle		
IRNZ023	1" NPSH Aluminum Shower Head Nozzle /Reducer Bushing for 3/4" GHT		
IRNZ027	1" NPSH Adjustable Fan Stream Nozzle /Reducer Bushing for 3/4" GHT		
IRNZ028	1" NPSH Multi-Mist Nozzle* (includes: Nozzle & 4 tips: 15, 25, 35, 55 GPM & Allen Wrench)		
IRNZ029	Garden Hose Nozzle Knurled Adjustable		
IRNZ030	1" NPSH Nozzle 100 GPM with Bumper		
IRNZ031	Tournament Nozzle w/ Brass Shut O		
IRNZ033	3/4" Residential Nozzle GHT up to 15 GPM		
IRNZ036	Fixed Gallonage Nozzle System: (4)Tips, 3/4" GHT Shut Off Valve & Adapter		
IRNZ036-15	15 GPM Fixed Gallonage Nozzle - 3/4"		
IRNZ036-25	25 GPM Fixed Gallonage Nozzle - 3/4"		
IRNZ036-35	35 GPM Fixed Gallonage Nozzle - 3/4"		
IRNZ036-55	55 GPM Fixed Gallonage Nozzle - 3/4"		
IRPA-002	GHT Brass Shut Off Valve		
*Nozzle re-build kits are available	for the items above		
APPLICATORS	DESCRIPTION	РНОТО	
IRPROP-AD1	Liquid Proportioner (includes 2 mixing bottle and carrying case)		
IRPROP-BOTTLE	Additional bottle for the Liquid Proportioner		
IRPROP-GAL	Irrigation Proportioner - 1 Gallon Conversion Kit		
IRPROP-GALBOT	1 Gallon Replacement bottle for the Conversion Kit		

APPLICATORS	DESCRIPTION	РНОТО
IRPROP-AD1	Liquid Proportioner (includes 2 mixing bottle and carrying case)	
IRPROP-BOTTLE	Additional bottle for the Liquid Proportioner	
IRPROP-GAL	Irrigation Proportioner - 1 Gallon Conversion Kit	1
IRPROP-GALBOT	1 Gallon Replacement bottle for the Conversion Kit	
IRBWPS-AD2	Deluxe Pellet Applicator System	
IRBWPS-AD1S	Standard Pellet Applicator System w/NZ023 Shower Head - Fits 1" or 3/4" Hose	
IRBWPS-AD1	Standard Pellet Applicator System - Fits 1" or 3/4" Hose	
IRBWPS-AD3	Standard Pellet Applicator System w/ Cleansing Tip - Fits 1" or 3/4" Hose	6
IRPG1P1P	Pistol Grip Hose Attachment 1" NPSH	
IRPGGG	Pistol Grip Hose Attachment GHT	
IRBV1P1P	Bail Grip Hose Attachment 1" NPSH	
IRBVGG	Bail Grip Hose Attachment GHT	
IRPA-001	Housing Assembly	
IRPA-004	Bowl and Gasket	
G290	Gasket	



HOSES	DESCRIPTION	рното
IRGH075-001	3/4" X 50' Irrigation Hose 3/4" GHT SW F X 3/4" GHT M Green	GH SERIES
IRGH075-002	3/4" X 75' Irrigation Hose 3/4" GHT SW F X 3/4" GHT M Green	
IRGH075-003	3/4" X 100' Irrigation Hose 3/4" GHT SW F X 3/4" GHT M Green	
IRGH100-001	1" x 50' Irrigation Hose 1" NPSH SW F X 1" NPSH M Green	
IRGH100-002	1" x 75' Irrigation Hose 1" NPSH SW F X 1" NPSH M Green	
IRGH100-003	1″ x 100′ Irrigation Hose 1″ NPSH SW F X 1″ NPSH M Green	
IRGH100-125	1" x 125' Irrigation Hose 1" NPSH SW F X 1" NPSH M Green	Optional Full Flow Coupling
IRGC075-001	3/4" X 50' Irrigation Hose 3/4" GHT SW F / 3/4" GHT M Clear	CLEAR CG SERIES
IRGC075-002	3/4" X 75' Irrigation Hose 3/4" GHT SW F / 3/4" GHT M Clear	
IRGC075-003	3/4" X 100' Irrigation Hose 3/4" GHT SW F / 3/4" GHT M Clear	
IRGC100-001	1" X 50' Irrigation Hose 1" NPSH SW F / 1" NPSH M Clear	
IRGC100-002	1" X 75' Irrigation Hose 1" NPSH SW F / 1" NPSH M Clear	
IRGC100-003	1" X 100' Irrigation Hose 1" NPSH SW F / 1" NPSH M Clear	Optional Flow Coupling
IRKBH10P-50	1" X 50' Ultralite, High Pressure Hose 1" NPSH SW F X 1" NPSH M	
IRKBH10P-75	1" X 75' Ultralite, High Pressure Hose 1" NPSH SW F X 1" NPSH M	
IRKBH10P-100	1″ X 100' Ultralite, High Pressure Hose 1″ NPSH SW F X 1″ NPSH M	Available with Full Flow Couping Only
IRDF075-001	3/4" X 50' Irrigation Hose 3/4" GHT SW F / 3/4" GHT M Dura Flow	DURA FLOW
IRDF075-002	3/4" X 75' Irrigation Hose 3/4" GHT SW F / 3/4" GHT M Dura Flow	
IRDF075-003	3/4" X 100' Irrigation Hose 3/4" GHT SW F / 3/4" GHT M Dura Flow	
IRDF100-001	1" X 50' Irrigation Hose 1" NPSH SW F / 1" NPSH M Dura Flow	
IRDF100-002	1" X 75' Irrigation Hose 1" NPSH SW F / 1" NPSH M Dura Flow	
IRDF100-003	1" X 100' Irrigation Hose 1" NPSH SW F / 1" NPSH M Dura Flow	Shown with Optional Full Flow Coupling
IRDF075-UNC-300	3/4" DURA FLOW Irrigation hose uncoupled	BULK HOSE
IRDF100-UNC-300	Additional bottle for the Liquid Proportioner	
IRGH075-UNC-300	Irrigation Proportioner - 1 Gallon Conversion Kit	
IRGH100-UNC-300	1 Gallon Replacement bottle for the Conversion Kit	17



PRODUCT	DESCRIPTION	MEASURE	UNIT MEASURE PER CONTAINER
Sandtrapper II	The Sandtrapper II nonwoven material (matrix) is constructed of polyester fibers in a textured nonwoven fabrication.	56" x 120′=560 sq ft	Roll
Sandtrapper MD	The Sandtrapper MD nonwoven material (matrix) is constructed of polyester fibers in a textured nonwoven fabrication.	56″ x 240′=1120 sq ft	Roll
Sandtrapper I	The Sandtrapper I nonwoven material (matrix) is constructed of polyester fibers in a textured nonwoven fabrication.	56″ x 240′=1120 sq ft	Roll
Sandtrapper Geo	The Sandtrapper GEO nonwoven material (matrix) is constructed of polyethylene fibers heat-fused to each other during fabrication. It is a geotextile designed strictly for contamination control.	102 x 1000′=8500 sq ft	Roll
Turf Shield	For tees and greens protection, IVI-GOLF manufactures Turf Shield@, custom-sized and fabricated.	Made to Customer Specifications Grommets every 5'	
Super Mighty Edge	SUPER MIGHTY EDGE <sup>™</sup> is the lastest innovative product from IVI-GOLF, makers of the industry-leading bunker liner, Sandtrapper. SUPER MIGHTY EDGE offers important value to the golf course professional by improving bunker performance over the long-haul.	6″ x 7′ L	10/Box
Sifon Drain Belt	SIFON Drain Belt drains excess water in a whole new way. It accomplishes this by utilizing both capillary and siphoning actions to literally pull water from the ground.	8″ x 330′	Roll
Staples	U-shaped U-shaped	6" x 1" x 6" 8" x 1" x 8"	1000 - 11gauge /Box 500 - 8 gauge/Box







PRODUCT	DESCRIPTION	RATE OF APPLICATION	UNIT MEASURE PER CONTAINER
Early Bird	3-0-1 Natural Organic Fertilizer	3-6 lbs/M 132-264 lbs/Acre	50 Pound Bag



PRODUCT	DESCRIPTION	RATE OF APPLICATION	UNIT MEASURE PER CONTAINER
Stress Phiter	0-0-30 6.3 lbs phosphoric acid per gallon	3-6 oz / M	55 Gallon Drum 2 x 2.5 Gallon/Case
AgriFos	Systemic Fungicide 3.35 lbs phosphoric acid per gallon	5-10 oz / M	2 x 2.5 Gallon/Case



Finding new ways to improve the treatment of trees and plants.

PRODUCT	DESCRIPTION	RATE OF APPLICATION	UNIT MEASURE PER CONTAINER
Main Event Dry Fe	100% Chelated Micronutrients 6-0-0 10% Fe 8%S 2% Mn 1% Mg .05% Zn 100% Chelated, Non-Staining	3-9 lbs / Acre	10 x 3 Pound Pouch/ Case
Main Event Dry Mn	100% Chelated Micronutrients 6-0-0 10% Mn 8% S 2% Fe 1% Mg .05% Zn	3-9 lbs / Acre	10 x 3 Pound Pouch/ Case
Iron Max 12-0-0	6% Fe 2% Mn 3.5% S Chelated 12% Urea	2-4 oz/M	2 x 2.5 Gallon/Case
Iron Max Plus 5-0-0	5% Fe 1%Mn 1%Mg 3.5% S + B, Cu, Mo and Zn Chelated 5% Urea	2-4 oz/M	2 x 2.5 Gallon/Case



PRODUCT	DESCRIPTION	RATE OF APPLICATION	UNIT MEASURE PER CONTAINER
Hydro-Wet	Soil and Turf Surfactant	Greens & Tees: Preventative (2) 8oz/M 7-14 days apart Monthly Maint.: 8oz/M then 4oz/M per month Fairways, Athletic Fields: 24-32 oz/A per Month	2 x 2.5 Gallon/Case



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Water Movement Solutions



Specialty Fertilizer Manufacturers 3-0-1 Early Bird Organic







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