



**BETTER PRODUCT,
GREENER RESULTS**



fssystem.com





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The Product Information contained herein was correct as of the publication date, but is subject to change without notice. NOT ALL PRODUCTS AND USES REFERENCED IN THIS GUIDE ARE REGISTERED FOR USE IN ALL STATES. PLEASE CONTACT THE PRODUCT MANUFACTURER REPRESENTATIVE FOR CLARIFICATION.

This publication is intended for use only as a guide in providing general information regarding the products available. As with any pesticide, always follow the label instructions on the container before using the product. As a reminder, "The Pesticide Label is the Law!"

PREMIUM TURFGRASS SEEDS



Talk to your GreenYard® turf specialist about these exclusive GreenYard seed products.

CUSTOM LINKS

Recommended use for: Home Lawn, Golf Courses

- Can be left unmown or down to 1"
- Great for erosion control or mixed with wildflowers
- Tolerates neglect – including acidic soil, low fertility, reduced irrigation
- Includes high-endophyte fescues for disease resistance
- Works well in shade

50% Proprietary Creeping Red Fescue
25% Proprietary Hard Fescue
25% Proprietary Sheep's Fescue
Available in 50 lb. bags

DELUXE

Recommended use for: Home Lawn, Baseball & Softball Fields, Parks, Playgrounds

- Great for general purpose lawns or large areas
- Good for sun and moderate shade
- Low to average maintenance requirements
- Does well under all soil types

34% Kentucky Bluegrass
33% Creeping Red Fescue
33% Turf Type Perennial Ryegrass
Available in 50 lb., 25 lb., and 5 lb. bags

DURATURF

Recommended use for: Parks, Playgrounds

- Economical mixture
- Extra quick cover
- Tolerates traffic and punishment
- Perfect for large areas

35% Annual Ryegrass
30% Turf Type Perennial Ryegrass
20% Kentucky Bluegrass
15% Creeping Red Fescue
Available in 50 lb. and 25 lb. bags

ECO LAWN LM

Recommended use for: Home lawns, Commercial properties, Parks, Roadside/Low maintenance turf.

- Excellent heat and drought survival
- Slower growth habit, shorter plant height
- Excellent disease resistance

100% Proprietary Turf Type Tall Fescue
Available in 50 lb., 25 lb., and 5 lb. bags

GREENYARD 90/10

Recommended use for: All Sports Fields, Golf Courses, Home Lawn

- Excellent heat and drought survival
- Excellent wear tolerance
- Low maintenance requirements
- Good dense turf

90% Turf Type Tall Fescue
10% Proprietary Kentucky Bluegrass
Available in 50 lb. bags

GRAND SLAM

Recommended use for: All Sports Fields, Golf Courses

- Excellent for use on large areas
- Rapid establishment for quick greening
- Requires average maintenance
- Top elite varieties for lasting performance and color

50% Proprietary Turf Type Perennial Ryegrass
50% Proprietary Kentucky Bluegrass
Available in 50 lb. bags

PLAYGROUND

Recommended use for: Home Lawn, Playgrounds,
All Sports Fields

- Excellent for large lawns
- Performs great in heavy traffic areas
- Very drought tolerant
- Performs well in shady areas

80% Proprietary Turf Type Tall Fescue
15% Proprietary Turf Type Perennial Ryegrass
5% Proprietary Kentucky Bluegrass
Available in 50 lb. and 25 lb. bags

PREMIUM ATHLETIC GOLD

Recommended use for:
All Sports Fields, Golf Courses

- Top varieties, dark green color, disease resistant
- Excellent for high traffic areas
- Average maintenance requirements
- Excellent for overseeding damaged sports turf

80% Proprietary Kentucky Bluegrass
20% Proprietary Turf Type Perennial Ryegrass
Available in 50 lb. bags

RAPID COVER

Recommended use for: Home Lawn, Playgrounds,
All Sports Fields, Golf Courses

- Excellent for quick overseeding of damaged areas
- Early green-up and dark green color
- Mixes well with other grasses
- Blend of top performing fine-leaf varieties

100% Proprietary Turf Type
Perennial Ryegrass
Available in 50 lb. and 25 lb. bags

SHADY LAWN

Recommended use for: Home Lawn, Parks

- Specially mixed for partial shade
- Requires normal maintenance
- Maintains good color in mixed shade and sun
- Improved resistance to shade diseases

40% Proprietary Kentucky Bluegrass
20% Proprietary Chewings Fescue
20% Creeping Red Fescue
20% Proprietary Turf Type Perennial Ryegrass
Available in 50 lb., 25 lb., and 5 lb. bags

SUPREME LAWN

Recommended use for: Home Lawn,
Playgrounds, All Sports Fields

- Good for partial shade
- Maintains good color
- Easy to establish with average maintenance
- Appealing turf quality with quick cover

60% Proprietary Kentucky Bluegrass
40% Proprietary Turf Type
Perennial Ryegrass
Available in 50 lb., 25 lb., and 5 lb. bags

TOUGH LAWN

Recommended use for: Home Lawn, Parks,
All Sports Fields

- Excellent heat and drought survival
- Low maintenance turf grass
- Good wear tolerance for high traffic areas
- Performs well in shady areas

100% Proprietary Turf Type Tall Fescue
Available in 50 lb., 25 lb., and 5 lb. bags

TRUEBLUE

Recommended use for: Home Lawn,
All Sports Fields, Golf Courses

- Blended for the ultimate picture perfect lawn
- Deep green color
- Fine texture
- Average to high maintenance requirements

100% Proprietary Kentucky Bluegrass
Available in 25 lb. bags

SHORT CUT BLUE

Recommended use for:
All Sports Fields, Golf Courses

- Premium certified bluegrass
- Low growth habit
- Darker genetic color
- Excellent disease resistance
- Ideal for sod

100% Proprietary Kentucky Bluegrass
Available in 50 lb. bags

TURFGRASS MIXES

Mixture or Blend	% of Species	Use	Home Lawns	Football/Soccer	Baseball	School Grounds	Parks/Recreation	Utilities/Municipalities	Landscape/Contractor	Golf Course Fairway	Golf Course Roughs	Golf Course Aprons & Tees	Roadside/Boulevard	Airplane Strips/Orchards
Custom Links	50% Proprietary Creeping Red Fescue 25% Proprietary Hard Fescue 25% Proprietary Sheeps Fescue	Athletic Fields, Golf Courses				X				X	X		X	X
Deluxe	33% Proprietary Kentucky Bluegrass 33% Proprietary Turf Type Perennial Ryegrass 34% Proprietary Creeping Red Fescue	Home Lawns, Large Areas, Sun or Shade, Overseeding	X		X	X	X	X	X		X		X	X
DuraTurf	35% Annual Ryegrass 30% Proprietary Turf Type Perennial Ryegrass 20% Kentucky Bluegrass 15% Creeping Red Fescue	Economical, Extra Quick Cover, Heavy Traffic, Large Areas							X				X	
Eco Lawn LM	100% Proprietary Tall Fescue	Next generation low maintenance tall fescue	X	X		X	X	X	X		X		X	X
Grand Slam	50% Proprietary Kentucky Bluegrass 50% Proprietary Turf Type Perennial Ryegrass	Athletic Fields, Golf Courses		X	X					X	X	X		
GreenYard 90/10	90% Turf Type Tall Fescue 10% Proprietary Kentucky Bluegrass	Athletic Fields, Golf Courses	X	X	X	X	X	X	X		X		X	
Playground	80% Proprietary Tall Fescue 15% Proprietary Turf Type Perennial Ryegrass 5% Proprietary Kentucky Bluegrass	Heavy Traffic, Summer Stress, Deep Roots	X	X		X	X	X	X		X		X	X
Premium Athletic Gold	80% Proprietary Kentucky Bluegrass 20% Proprietary Turf Type Perennial Ryegrass	Athletic Fields, Golf Courses		X	X					X	X	X		
Rapid Cover	100% Proprietary Turf Type Perennial Ryegrass	Overseeding, Quick Cover, Extra Greenup, Mixes Well	X	X					X	X	X	X		
Shady Lawn	40% Proprietary Kentucky Bluegrass 20% Proprietary Chewings Fescue 20% Proprietary Turf Type Perennial Ryegrass 20% Proprietary Creeping Red Fescue	From 25%-75% Shade, Good Color	X						X		X			X
Short Cut	100% Proprietary Kentucky Bluegrass	Athletic Fields, Golf Courses	X	X	X	X			X	X		X		
Supreme Lawn	60% Proprietary Kentucky Bluegrass 40% Proprietary Turf Type Perennial Ryegrass	Home Lawns, Football, Baseball, Soccer, Playgrounds, High Wear	X	X	X	X	X	X	X	X	X	X		
Tough Lawn	100% Proprietary Turf Type Tall Fescue	Heat/Drought Resistant, Low Maintenance, Tolerates Shade, High Traffic Areas	X	X		X	X	X	X		X		X	X
TrueBlue	100% Proprietary Kentucky Bluegrass	Picture-perfect Lawn, Fine Texture, Deep Green Color	X			X	X	X	X	X	X	X		

Seed Establishment	Disease Resistance	Sandy Soils	Clay Soils	Shade Tolerance	Maintenance Requirements	Mowing Height/Inches	Recovery Rate/Traffic Tolerance	Overseeding/1000 sq. ft. General	Overseeding/Acre General	New Seeding/1000 sq. ft.	New Seeding/Acre	Sports Field Overseeding/1000 sq. ft.	Sports Field Overseeding/Acre	Sports Field New Seeding/1000 sq. ft.	Sports Field New Seeding/Acre	Mixture or Blend
G	E	E	G	E	L	1	G	2-4	175	4-5	225	4-5	215	10-12	520	Custom Links
V	G	V	V	G	L	2-4	V	2-4	150	4-6	225	8-10	435			Deluxe
E	F	G	G	F	L	2-3	E	2-4	150	4-5	225					DuraTurf
G	V	E	E	E	L	3-5	V	3-4	175	6-8	350	6-7	300	10-15	650	Eco Lawn LM
E	E	V	E	G	H	1-4	E					10-12	440	10-15	650	Grand Slam
G	V	E	E	E	L	3-5	V	4-6	225	8-10	450	8-10	435	10-15	650	GreenYard 90/10
G	V	E	E	E	L	3-5	V	3-4	175	7-9	400	8-10	435	10-15	650	Playground
G	E	V	E	G	H	1-4	G					4-7	305	8-10	435	Premium Athletic Gold
G	G	V	E	F	M	2-4	E	3-4	175	6-8	350	10-15	650			Rapid Cover
G	V	E	G	E	M	2-4	G	2-4	175	4-6	225					Shady Lawn
G	E	G	G	G	H	.5-4	G	1-3	100	3-5	175	4-6	260	7-9	390	Short Cut
G	E	V	E	G	M	2-4	G	2-3	150	4-5	225	4-6	260	9	390	Supreme Lawn
G	V	E	E	E	L	3-5	V	4-5	225	8-10	450	7-9	400	10-15	650	Tough Lawn
F	E	G	G	G	H	2-4	G	1-2	100	3-4	175	4-6	260	7-9	390	TrueBlue

GRASS SEEDS

KENTUCKY BLUEGRASS

All of the following are available in 50 lb. sizes

<i>98/85 Kentucky Bluegrass</i>	<i>Everest</i>	<i>NuBlue Plus</i>
<i>Action</i>	<i>Impact</i>	<i>NuGlade</i>
<i>Arrowhead</i>	<i>Jackpot</i>	<i>Quartz</i>
<i>Ashland</i>	<i>Kelly</i>	<i>Rugby II</i>
<i>Award</i>	<i>Legend</i>	<i>Skye</i>
<i>Beyond</i>	<i>Mazama</i>	<i>Starr</i>
<i>BlueChip</i>	<i>Milagro</i>	<i>Volt</i>

FINE FESCUES

All of the following are available in 50 lb. sizes

<i>Audubon Creeping Red</i>	<i>Navigator Creeping Red</i>
<i>Cardinal Creeping Red</i>	<i>Reliant IV Hard</i>
<i>J-5 Chewings</i>	
<i>Jetty Hard</i>	
<i>Marco Polo Sheeps</i>	

TURF TYPE TALL FESCUES

All of the following are available in 50 lb. sizes

<i>AST 5119</i>	<i>Jaguar 4G</i>	<i>Titanium 2LS</i>
<i>AST 8118 LM</i>	<i>NoNet Spreading Type</i>	<i>Titan Rx</i>
<i>AST 8218 LM</i>	<i>Quest</i>	<i>Titan Ultra</i>
<i>AST 9003</i>	<i>Screamer LS</i>	<i>TLC Blend</i>
<i>Firecracker SLS</i>	<i>Siesta</i>	
<i>Inferno</i>	<i>Summer</i>	

FINE LEAF PERENNIAL RYEGRASS

All of the following are available in 50 lb. sizes

<i>ASP 0118 GL</i>	<i>Revenge GLX</i>
<i>ASP 0218</i>	<i>Top Gun II</i>
<i>CSI Brand</i>	<i>Stellar 4GL</i>
<i>Grand Slam II</i>	<i>Sunrise</i>



RYEGRASS

All of the following are available in 50 lb. sizes

Turf Type Perennial (VNS)

Turf Type Annual

SPECIALTY GRASSES

All of the following are available in 50 lb. sizes

Alkaligrass

BENTGRASS

All of the following are available in 25 lb. sizes

Alpha

L-93 XD

Penncross

T-1

V-8

WILDFLOWER MIXTURES

GreenYard Honey Bee Wildflower Mixture

GreenYard Midwest Mixture

GreenYard Butterfly Mixture

GreenYard Wild Bee Polinator Mixture

NATIVE GRASSES

All of the following are available in PLS/LB

Big Bluestem

Buffalograss

Eastern Gama-Grass

Indiangrass

Little Bluestem

Sand Lovegrass

Sideoats Grama

Switchgrass

SEED CHARACTERISTICS

Species	Seeds per Pound	Growth Habit	Leaf Growth	Establishment Rate	Competitiveness	Thatch Formation	Shade Tolerance	Drought Tolerance	Cold Tolerance	Traffic Wear Tolerance	Seeding Rate (1000 sq.ft)
Perennial Ryegrass	280,000	B	VF	VF	H	L	G	VG	G	E	6-8 lb.
Tall Fescue	225,000	B	M	S	L/M	L/M	VG	VG	VG	VG	8-10 lb.
Chewings Fescue	385,000	B	S/M	M	M	H	VG	G	VG	F	7-9 lb.
Creeping Fescue	320,000	T	S/M	M	L/M	M	VG	G	VG	P	7-9 lb.
Kentucky Bluegrass	2,000,000	R	S/M	S	M	M/H	F	G	VG	G	2-4 lb.
Bentgrass Creeping	7,000,000	S	M/F	M	H	H	F	P/F	E	G	1-2 lb.
Zoysiagrass	1,000,000	S/R	S	P	H	M	P	G	M/P	E	1-2 lb.
Bermudagrass	1,500,000	S/R	F	VF	E	H	P	E	P	VG	2-30 lb.

B = Bunch
E = Excellent
F = Fair
F = Fast

G = Good
H = High
L = Low
M = Medium

P = Poor
R = Rhizomes
S = Slow
S = Stolons

T = Tillers
VF = Very Fast
VG = Very Good

GREENS GRADE FERTILIZERS (SGN 100)

Product/ Use Grade	Unit Size	Application Rate		Lb. Nutrients/M			Nutrient Sources
		Lb./M	Lb./A	N	P	K	
22-0-22 100% Nutralene, SOP + Micro Mix	50 lb.	4.0	174	0.88	0.00	0.88	Sulfate of potash, methylene urea, micro mix
18-4-18 50% Nutralene, SOP + Micro Mix	50 lb.	4.0	174	0.72	0.20	0.72	Sulfate of potash, ammonium phosphate, urea, methylene urea, micro mix
10-18-22 50% Nutralene, SOP + Micro Mix	50 lb.	4.0	174	0.40	0.70	0.88	Sulfate of potash, ammonium phosphate, urea, methylene urea, micro mix
21-0-0-24S Solugreen	50 lb.	Rate variable according to need					Ammonium sulfate
11-52-0 Mini Map	50 lb.	Rate variable according to need					Ammonium sulfate

TURF FERTILIZERS

PROFESSIONAL STANDARD GRADE FERTILIZERS

Product/ Use Grade	Unit Size	Application Rate		Lb. Nutrients/M			Nutrient Sources
		Lb./M	Lb./A	N	P	K	
9-25-25 All mineral	50 lb.	4.0	174	0.36	0.20	0.20	
11-23-10 All mineral	50 lb.	4.0	174	0.24	0.44	0.40	Urea, diammonium phosphate, muriate of potash
13-13-13 All mineral	50 lb.	4.0	174	0.52	0.52	0.52	Urea, diammonium phosphate, muriate of potash
14-24-9 33% PCU	50 lb.	4.0	174	0.56	0.96	0.36	PCU, urea, diammonium phosphate, muriate of potash
18-0-6 25% PCU	50 lb.	4.0	174	0.72	0.00	0.24	PCU, urea, muriate of potash
19-19-19 All mineral	50 lb.	4.0	174	0.76	0.76	0.76	Urea, diammonium phosphate, muriate of potash
25-0-5 All mineral	50 lb.	4.0	174	1.00	0.00	0.20	Urea, muriate of potash
25-0-5 25% PCU	50 lb.	4.0	174	1.00	0.00	0.20	PCU, urea, muriate of potash
25-0-5 33% PCU, 2% Fe	50 lb.	4.0	174	1.00	0.00	0.20	PCU, urea, muriate of potash sulfur with iron
25-0-5 50% PCU	50 lb.	4.0	174	1.00	0.00	0.20	PCU, urea, muriate of potash
30-3-10 50% Ufflex	50 lb.	3.3	145	0.99	0.10	0.33	Ammoniated phosphate, urea, muriate of potash, stabilized with NBPT & DCD
34-0-5 All mineral	50 lb.	3.0	135	1.02	0.00	0.15	PCU, urea, muriate of potash
34-0-5 25% PCU	50 lb.	3.0	135	1.02	0.00	0.15	PCU, urea, muriate of potash
34-0-5 50% PCU	50 lb.	3.0	135	1.02	0.00	0.15	PCU, urea, muriate of potash

TURF FERTILIZERS WITH PREEMERGENCE HERBICIDE

Product/ Use Grade	Unit Size	Application Rate		Lb. Nutrients/M			Nutrient Sources
		Lb./M	Lb./A	N	P	K	
14-0-5 25% UFLEXX w/0.37% Prodiamine	50 lb.	4.0	174	0.56	0.00	0.20	UFLEXX, urea, muriate of potash
19-0-10 25% UFLEXX w/0.37% Prodiamine	50 lb.	4.0	174	0.76	0.00	0.25	UFLEXX, urea, muriate of potash
13-0-5 25% PCU w/0.125% Dimension	50 lb.	4.0	174	0.52	0.00	0.20	PCU, urea, muriate of potash
13-0-5 25% PCU w/0.15% Dimension	50 lb.	4.0	174	0.52	0.00	0.20	PCU, urea, muriate of potash
18-0-6 15% PCU w/0.15% Dimension	50 lb.	4.0	174	0.72	0.00	0.24	PCU, urea, muriate of potash

TURF FERTILIZERS

TURF FERTILIZERS WITH POSTEMERGENCE HERBICIDE

Product/ Use Grade	Unit Size	Application Rate		Lb. Nutrients/M			Nutrient Sources
		Lb./M	Lb./A	N	P	K	
16-0-8 25% PCU w/Viper	50 lb.	4.0	174	0.64	0.00	0.32	PCU, urea, muriate of potash
18-0-6 25% PCU w/Millennium Ultra	50 lb.	4.0	174	0.80	0.72	0.24	PCU, urea, muriate of potash
20-0-5 25% PCU w/Trimec	50 lb.	4.0	174	0.80	0.00	0.20	PCU, urea, muriate of potash
37-0-2 Single App Weed n Feed	25 lb.	5.0	217				Season long fertility in one application

TURF PROFESSIONAL FERTILIZERS WITH INSECTICIDE

Product/ Use Grade	Unit Size	Application Rate		Lb. Nutrients/M			Nutrient Sources
		Lb./M	Lb./A	N	P	K	
0-0-7 w/.20% Mallet Bag treats 14,200 square feet.	50 lb.	3.5	153	0.00	0.00	0.24	Muriate of potash
15-0-5 25% PCU w/.20% Mallet Bag treats 14,200 square feet.	50 lb.	3.5	153	0.53	0.00	0.18	PCU, urea, muriate of potash
21-0-5 50% PCU w/.20% Mallet Bag treats 14,200 square feet.	50 lb.	3.5	153	0.74	0.00	0.18	PCU, urea, muriate of potash

STRAIGHT GRADE FERTILIZERS

Product	Unit Size	Application
46-0-0 Urea	50 lb.	Rates vary according to need. Standard grade.
46-0-0 Spray Grade Urea (Prilled)	50 lb.	Urea.
46-0-0 UFLEXX Granular	50 lb.	Rates vary according to need. Standard grade.
Sulfur Coated Urea	50 lb.	Analysis varies by manufacturer. 38-0-0-15S, 39-0-0-12S, 42-0-0-5S. Rates vary according to need. Standard grade.
Aluminum Sulfate Granular	50 lb.	Aluminum sulfate.
0-0-50 (SOP) Sulfate of Potash	50 lb.	Rates vary according to need. Standard grade, greens grade, or soluble grade.
0-0-60 White Potash Granular MOP	50 lb.	Rates vary according to need. Standard grade.
Calcium Nitrate Granular (15.5-0-0-26Ca.)	50 lb.	Rates vary according to need. Standard grade.
Calcium Nitrate Greenhouse grade (15.5-0-0-26Ca.)	50 lb.	Rates vary according to need. Standard grade.
Potassium Nitrate Greenhouse grade (13-0-6) limited	50 lb.	Rates vary according to need. Standard grade.
Ammonium Sulfate Granular (21-0-0-245) limited	50 lb.	Rates vary according to need. Standard grade.

ORGANIC AND ORGANIC BLEND FERTILIZERS

Product/ Use Grade	Unit Size	Application Rate		Lb. Nutrients/M			Nutrient Sources
		Lb./M	Lb./A	N	P	K	
16-2-3 44% PCU, SOP Organic CPM	50 lb.	4.0	174	0.64	0.08	0.12	Urea, ammonium sulfate, poultry manure, bios & lids, sulfate of potash
4-3-0 Nutripel	50 lb.	Rates vary according to need. Standard Grade.					Activated Sewage Sludge



LIQUID FERTILIZERS

Product	Unit Size	Application
17-0-5	Bulk or 250 gal. Mini Bulks	Great for the lawn care professional. Base mix.
(FlexN) 28-0-0 72% Controlled Release	Bulk or 250 gal. Mini Bulks 2 x 2.5 gal.	Great product to mix to dial in your specific summer application.

SOLUBLE FERTILIZERS

Product/ Use Grade	Unit Size	Application Rate		Lb. Nutrients/M			Nutrient Sources
		Lb./M	Lb./A	N	P	K	
0-0-50 Soluble SOP	50 lb.	Rate variable according to needs. Provides Potassium & Sulfur. Use to make liquid formulations.			Potassium Sulfate		
0-0-62 Soluble SOP	50 lb.	Rate variable according to needs. Provides Potassium. Use to make liquid formulations.			Muriate of Potash		
16-45-7 (Plant Marvel Brand)	25 lb.	Rate variable according to needs.			Ammonium Phosphate, Ammonium Sulphate, Potassium Nitrate, Magnesium Sulphate, Urea, Borox, Sodium Molybdate, and the EDTA form of Copper, Iron, Manganese and Zinc		
20-20-20	25 lb.	Rate variable according to needs.			Urea, nitrate, ammonical N, Ammonium Phosphate		



ATHLETIC FIELD MAINTENANCE PRODUCTS

ATHLETIC FIELD PRODUCTS

Product	Unit Size	Uses
Turf MVP (Regular)	50 lb. Bags/ Bulk	Fights compaction and keeps infields firm enough for solid footing, but resilient enough for safe play. Improves drainage and consistency which allows fields to be played on faster after a rain. Great for use as a topdressing in combination with aerification on football fields.
Turf Pro League Elite (Regular, Red and Champion Brown, Heritage Red)	50 lb. Bags/ Bulk	Smaller, uniform particle size tested and approved by Major League groundskeepers. The ultimate topdressing for superior drainage and absorption. Excellent sliding surface for softball and baseball.
Turf Quick Dry (Regular)	50 lb. Bags	Specifically designed to absorb infield puddles and wet areas. Very fine material, resulting in quick absorption of moisture.
Mound Master Blocks	304 blocks	100% pure virgin clay blocks deliver long-lasting performance
Turf Professional Mound Red Clay	50 lb. Bags	High level of durability in a range of climates, to reduce wear across a variety of fields.
SAF 5-Star Packing Clay	50 lb. Bags	Clay-silt mixture bonds firmly and quickly to help streamline installation. Highly durable for long-lasting performance and wear resistance.
Turf MarMound All Purpose Clay	50 lb. Bags	Great for multi-plexes, holds up over a series of games and fields
Turf Profile Greens Grade (Natural and Emerald)	50 lb. Bags	Smaller uniform particle size for use on sand-based greens
Turf Profile Lawn & Landscape	50 lb. Bags	Smaller uniform particle size for use on tees, fairways and Football fields
Turf SAF Diamond Mix	22-24 Ton/ Bulk	Naturally-occurring blend of sand and clay for infield construction or maintenance
Field Marking Chalk	50 lb. Bags	Athletic Field Products
All Star Marker for Chalk	Each	Athletic Field Products
Athletic Marking Paint (white & orange)	12/18 oz. cans	Athletic Field Products
Athletic 4-wheeled Stripper	Each	Athletic Field Products
Latex Field Marking Paint for Aerosol Cans (white)	5 gal. pails	Athletic Field Products

EROSION CONTROL PRODUCTS

EROSION CONTROL BLANKETS

C350

Manufacturer: Hanes
GeoComponents

Unit Purchase: 78" x 55.5'

Three UV stable nets with top net being 8 lb., middle net is 24 lb., and bottom net is 8 lb. 100% coconut matrix material.

Flexterra FGM

Manufacturer: Profile Products

Unit Purchase: 50 lb.

Units per Case: Each

Rate: 50 lb./125
gal. water

Hydraulically applied, flexible erosion control blanket composed of long strand, thermally processed wood fibers, crimped, interlocking fibers and performance enhancing additives.

Futerra Environet Erosion Control Blankets

Manufacturer: Profile Products

Unit Purchase: 40" x 135' Green/
Natural 82" x 135'
Green/Natural

Rate: 40" x 135' covers
50 sq. ft. 82" x 135'
covers 102.5 sq. ft.

This effective re-vegetation product is manufactured by combining Hydro-Mulch pure wood fibers with a sunlight sensitive netting. Helps bond the seed to soil surface and accelerate germination.

Futerra F4 NETLESS

Manufacturer: Profile Products

Unit Purchase: 39" x 90' Green or Natural
78" x 90' Green or Natural

A combination wood fiber and crimped, interlocking man-made degradable fibers that hold nearly five times its weight in water.

SR-1 Straw Blanket Rapid Grow

Manufacturer: Western Excelsior

Unit Purchase: 7.5' x 120'

Units per Case: Each

Constructed of certified weed-free, agricultural straw with rapid photodegradable synthetic net.

Single Net Excelsior R-1 Blanket

Manufacturer: Western Excelsior

Unit Purchase: 8' x 90'

Constructed of 100% Rocky Mountain Aspen, 12 month net.

Double Net Excelsior S-2 Blanket

Manufacturer: Western Excelsior

Unit Purchase: 4' x 90', 8' x 90'

Constructed of 100% Rocky Mountain Aspen, 12 month net.

STAPLES AND DRIVERS

RoundTop Pins - Biodegradable

Manufacturer: Profile Products

Unit Purchase: 5" (500/CT)
(6CT/Case)

Units per Case: Case

100% Biodegradable. Covers more surface areas and prevents mower damage. Allows for easy visual inspection by engineers.

RoundTop Pins - Metal

Manufacturer: Various

Unit Purchase: 6" (1000 per case)

Units per Case: Case

This round-top head is designed to hold five times the surface area. Less chance of bending or jamming. Works great when securing matting in channels where water is present.

RoundTop Pins - Driver

Manufacturer: Profile Products

Unit Purchase: Each

Units per Case: Each

One of the fastest most efficient means of securing erosion control matting. It is a center driven mechanism and fed by gravity with only one moving part.

Staples

Manufacturer: Various

Unit Purchase: 6" x 1" x 6"
(1 box of 1000)

Units per Case: Each

High strength steel staples are used to secure erosion control blankets, straw netting and sod.



EROSION CONTROL PRODUCTS

LANDSCAPE FABRIC

Spunbound

Manufacturer: ERO-TEX, LTD.

Unit Purchase: Spunbound

Black 4 oz.
3' x 300', 4' x 300'
and 6' x 300

A nonwoven polypropylene black fabric with purple lines every 12 inches.

Fuzzback

Manufacturer: ERO-TEX, LTD.

Unit Purchase: Fuzzback Black 5 oz.

5 oz. 3' x 300';
4' x 300' and
6' x 300

A nonwoven polypropylene black fabric with purple lines every 12 inches.

SILT FENCE AND LOGS

Excelsior Straw Logs

Manufacturer: Western Excelsior

Unit Purchase: 9" x 25'

Sediment control logs constructed of 100% weed-free agricultural straw.

Silt Fence

Manufacturer: ERO-TEX, LTD.

Unit Purchase: 37" x 48" x 100"
8' and 5' center
post

Reduces sediment loading into creeks, streams and lakes from construction sites and roadway projects. Heavy duty fences with oak posts.

Silt Fence (Fabric Only)

Manufacturer: ERO-TEX, LTD.

Unit Purchase: 36" x 300"
Fabric Only
I-DOT 42" x 300'

Reduces sediment loading into creeks, streams and lakes from construction sites and roadway projects. Heavy duty fences with oak posts.

HYDRAULIC MULCHES AND AMENDMENTS

Fiber Bond Ultra

Manufacturer: Profile Products

Unit Purchase: Case

Units per Case: 4 x 7.5 lb.

Rate: 4:1 slope: 30 lb.
per acre 2:1
slope: 90 lb. per
acre Greater than
2:1 slope: 120 lb.
per acre

Enhances the performance of hydraulically applied fiber mulch materials by strengthening the mechanical and chemical bond of the mulch matrices.

Hydro-Seeding Mulch

Manufacturer: Phoenix Paper
Products

Unit Purchase: 40 lb. bale

Units per Case: Each

Rate: 1500 - 2000
lb. per acre

It is a 100% post-consumer recycled paper product that provides excellent protection that is totally biodegradable.

EROSION CONTROL PRODUCTS

Hydro-Seeding Mulch with Tackifier

Manufacturer: Phoenix Paper Products

Unit Purchase: 40 lb. bale

Units per Case: Each

100% post-consumer recycled paper product with a 2% guar gum tackifier.

100% Wood

Manufacturer: Profile Products

Unit Purchase: 50 lb. bale

Units per Case: Each

*Rate: 1500 to 2500 lb. per acre
depending on slope*

100% wood fiber for hydro-seeding.

Blend 70/30

Manufacturer: Profile Products

Unit Purchase: 50 lb. bale

Units per Case: Each

Rate: 1500 to 2000 lb. per acre

Combination of 70% wood fiber with 30% cellulose for hydro-seeding.

Tacking Agent 3

Manufacturer: Profile Products

Unit Purchase: 8 lb. or 25 lb.

Units per Case: 4 x 8 lb. or each

Rate: 4 to 1 slope use 30 lb. per acre

University tested and proven to reduce erosion and water run off immediately after hydroseeding.

Tacking Agent 3 WSP

Manufacturer: Profile Products

Unit Purchase: Case

Units per Case: 7 x 3 lb.

Rate: 30 lb. per acre

Proven to reduce soil erosion and water runoff immediately after hydro-seeding.

EROSION CONTROL PRODUCTS

MULCHING GRANULES

GreenYard Mulch

Manufacturer: Phoenix Paper Products

Unit Purchase: 50 lb.

Units per Case: Each

Rate: 50 - 70 lb. per 1000 sq. ft.

It is a 100% post-consumer recycled paper product that provides excellent protection with a totally biodegradable pellet.

CoverGrow Mulch

Manufacturer: Profile Products

Unit Purchase: 40 lb.

Units per Case: Each

Rate: 50-75 lbs per 1000 sq ft.

Mulching granular consisting of wood fiber, cellulose fiber and tackifier.

SPRAYERS AND SPREADERS

Jacto Backpack Sprayer CD 400

Manufacturer: Jacto

Unit Purchase: Each

Units per Case: Each

The first premium manual backpack sprayer with a fully-internal pump mechanism. 4-gallon tank.

Spred-Rite G Gravity Spreader

Manufacturer: PBI/Gordon

Unit Purchase: 1 applicator

Units per Case: 6

Gravity applicator for dry products, such as Snapshot, for ornamental landscape beds.

HERBICIDES

2,4-D Granular 16-30 Mesh (non-aquatic)

Active Ingredient: 2,4-D
Manufacturer: NuFarm
Unit Purchase: 50 lb. (40 BG)
Units per Case: Each
Rate: Follow product label for rate and spreader settings

Granular product for lawns. Post emergent broadleaf.

Aquasweep

Active Ingredient: 2,4-D Amine, Triclopyr
Manufacturer: NuFarm
Unit Purchase: 2.5 gal and 30 gal
Units per Case: 2x2.5 gal and 30 gal. (5 DR)
Rate: Check label for rates

For control of unwanted trees and brush, as well as annual and perennial broadleaf weeds on rangeland, pastures, fencerows, non-irrigation ditches, roadside, other non-crop areas, rights-of-ways, ornamental turf, golf courses and sod farms, and for the control of emergent, floating and submerged aquatic weeds.

Atrimmec PGR

Active Ingredient: Dikegulac-Sodium
Manufacturer: PBI/Gordon
Unit Purchase: 1 qt. and 1 gal.
Units per Case: 12 x 1qt, (48CS); 4 x 1 gal. (48 CS)
Rate: See label

Growth retardant for use on hedges, shrubs, trees and groundcovers.

Balan 2.5G

Active Ingredient: Benefin
Manufacturer: Various
Unit Purchase: 40 lb.
Units per Case: Each
Rate: 1.5 to 3 lb. per 1000 sq. ft.

A selective preemergence herbicide for the control of crabgrass and most other annual weed grasses. Repeat applications are advised.

Basagran T/O

Active Ingredient: Bentazon
Manufacturer: BASF
Unit Purchase: 1 gal.
Units per Case: 5 x 1 gal.
Rate: 0.55 oz. to 0.75 oz. per 1000 sq. ft.

Postemergence herbicide for use in established turf, ornamentals, and roadsides to control broadleaf weeds and sedges.

Bensumec 4LF (Betasan)

Active Ingredient: Bensulide
Manufacturer: PBI/Gordon
Unit Purchase: 2.5 gal.
Units per Case: 2 x 2.5 gal.
Rate: Use 5.6 to 9.4 oz. per 1000 sq. ft.

For preemergent grass and broadleaf weed control in all major turfgrass.

Broadstar

Active Ingredient: Flumioxazin
Manufacturer: NuFarm
Unit Purchase: 50 lb. (40 BG)
Units per Case: Each
Rate: 3.5 lb. per 1,000 sq. ft.; 150 lb. per acre

Granular formulation for preemergent weed control in landscapes and nursery applications

Casoron 4G (16-30 mesh) (8-16 Coarse)

Active Ingredient: Dichlobenil
Manufacturer: Arysta
Unit Purchase: 50 lb. (40 BG)
Units per Case: Each
Rate: 2.3 to 3.4 lb. per 1000 sq. ft.

Recommended for preemergent control of many perennial weeds, annual grasses and broadleaf weeds. Use as a soil surface treatment in woody ornamentals and nurseries.

Cavalcade 65WDG

Active Ingredient: Prodiamine
Manufacturer: SipcarnAdvan
Unit Purchase: 10 lb. (12 CS)
Units per Case: 5 x 10 lb.
Rate: 0.185-0.83 oz. per 1000 sq. ft.

Provides pre-emergence control of crabgrass and other annual grasses and certain broadleaf weeds in well-established turf, landscape, field and container grown plantings.

Cavalcade PQ

Active Ingredient: Prodiamine
Manufacturer: SipcarnAdvan
Unit Purchase: 5 lb.
Units per Case: 4 x 5 lb.
Rate: See Label

Provides pre-emergence control of crabgrasses and other annual grasses and certain broadleaf weeds in well-established turf, landscape, field and container grown plantings.

Celero

Active Ingredient: Imazosulfuron

Manufacturer: NuFarm

Unit Purchase: 1 lb.

Units per Case: 4 x 1 lb.

Rate: 8.0 to 14 oz./acre

Nutsedge and Green Kylinga control in turf. Control of annual and perennial grass and broadleaf weeds in highly managed turf sites. A 2,4-D free herbicide for control of broadleaf weeds in turf. Excellent clover control with one application.

Certainty

Active Ingredient: Sulfosulfuron

Manufacturer: Bayer

Unit Purchase: 1.25 oz. BTL

Units per Case:

Rate: 0.75 to 2.0 oz. per 1000 sq. ft. in warm season grasses; 0.75 to 2.0 oz. per 1000 sq. ft. in native grasses

Control of annual and perennial grass and broadleaf weeds in highly-managed turf sites.

Change Up

Active Ingredient: Dicamba, Fluroxypyr, MCPA

Manufacturer: NuFarm

Unit Purchase: 2.5 gal. (36 CS)

Units per Case: 2 x 2.5 gal

Rate: 0.46 oz. to 1.10 oz./1000 sq. ft.

Selective herbicide for broadleaf weed control in turf and ornamental, non 2,4-D combination for added safety on warm season grass

Cheetah Pro

Active Ingredient: Glufosinate-Ammonium

Manufacturer: NuFarm

Unit Purchase: 1 gal. (48 CS)

Units per Case: 4 x 1 gal.

Rate: check label based on weed size and growth stage

Broad Spectrum non-selective postemergent for broadleaf and grasses. Alternative to glyphosate

Confront

Active Ingredient: Clopyralid, Triclopyr

Manufacturer: Corteva AgriScience

Unit Purchase: 1 gal.

Units per Case: 4 x 1 gal.

Rate: 0.37 to 0.74 oz. per 1000 sq. ft.

A 2,4-D free herbicide for control of broadleaf weeds in turf. Excellent clover control with one application.

Cool Power

Active Ingredient: Dicamba, MCPA, Triclopyr

Manufacturer: NuFarm

Unit Purchase: 2.5 gal. (72 CS) and 30 gal.

Units per Case: 2 x 2.5 gal. and drum

Rate: 0.91 to 1.29 oz. per 1000 sq. ft.

A premium post-emergent ester formulation, containing TRICLOPYR, for superior broadleaf weed control during cool weather conditions.

CREW

Active Ingredient: Isoxaben, Dithiopyr

Manufacturer: Corteva

Unit Purchase: 4 x 10 lb., 50 lb.

Rate: 150 to 200 lb./acre; 3.44 to 4.59 lb./1,000 sq. ft.

For preemergence control of broadleaf and grassy weeds and early postemergence crabgrass in landscape ornamentals, established turfgrass, ornamental and sports turf, golf course fairways, aprons and roughs, tee boxes, campgrounds, parks, recreation areas, cemeteries and unimproved turfgrass areas, and non-crop areas.

Defendor

Active Ingredient: Florasulam

Manufacturer: Corteva Agriscience

Unit Purchase: 1 qt.

Units per Case: 4 x 1 qt.

Rate: 4 oz./acre

Defendor @ specialty herbicide is a postemergence product effective in late fall and early spring and is designed to perform in cold weather. Defendor prevents dandelion bloom and controls other spring weeds before they're ever seen

Dimension 0.27% G

Active Ingredient: Dithiopyr

Manufacturer: Howard Johnson

Unit Purchase: 40 lb. (50 BG)

Units per Case: Each

Rate: 2.30 to 4.25 lb./1000 sq. ft.

A selective herbicide that provides control of listed annual grasses and broadleaf weeds in established lawns, commercial sod farms, ornamental turf and landscape ornamentals.

Dimension 2E + Defender co-pak

Active Ingredient: Dithiopyr

Manufacturer: Dow AgroSciences

Unit Purchase: Co-pak

Units per Case: 2 x 2 gal. plus 2 x 1 gal. (40 CS)

Rate: Check label

Tank mix of pre-emergent and post control of broadleaf weeds and grasses.

Dimension 2EW

Active Ingredient: Dithiopyr

Manufacturer: Corteva AgriScience

Unit Purchase: 0.5 gal.; 2 x 2.5 gal. and 30 gal.

Units per Case: 4 x 0.5 gal.(24 CS);

2 x 2.5 gal.(36 CS); 30 gal. (5 DR)

Rate: 16-32 oz/ac or 0.36 to 0.73 oz/1000 sq. ft.

See label options.

HERBICIDES

Dimension Ultra 40 WSP

Active Ingredient: Dithiopyr
Manufacturer: Corteva AgriScience
Unit Purchase: 8 x 5 oz.
Units per Case: 8(8 x 5 OZ) (18 CS)
Rate: Up to 0.46 oz./1000 sq. ft.

A selective herbicide that provides control of listed annual grasses and broadleaf weeds in established lawns, commercial sod farms, ornamental turf and landscape ornamentals.

Dithiopyr L

Active Ingredient: Dithiopyr
Manufacturer: Quali-Pro
Unit Purchase: 2.5 gal.
Units per Case: 2 x 2.5 GL (48 CS)
Rate: Up to 0.28oz/1000 Sq. Ft. Please check label for rates before use.

Pre-emergent herbicide of grassy and broadleaf weeds as well as early post-emergent control of crabgrass control in established turf.

Drive XLR8

Active Ingredient: Quinclorac
Manufacturer: BASF
Unit Purchase: .5 gal.
Units per Case: 4 x .5 gal. (30 CS)
Rate: 0.5 to 1.0 fl. oz./1000 sq. ft.

Post-emergent control of many broadleaf weeds and grasses, crabgrass.

Envoy PLUS

Active Ingredient: Clethodim
Manufacturer: NuFarm
Unit Purchase: 1 gal.
Units per Case: 4 x 1 gal. (12 CS)
Rate: Use 13 to 34 oz. per acre

A postemergent grass herbicide for control of annual and perennial grass in ornamentals. It can be applied to Christmas trees, and other conifers, garden flowers and plants, and in non-crop areas.

Escalade 2

Active Ingredient: 2,4-D Amine, Dicamba, Fluroxypyr
Manufacturer: NuFarm
Unit Purchase: 2.5 gal.; 30 gal.; 250 gal.
Units per Case: 2/2.5 GL (36 CS), 30 GL (5 DR), 250 GL (MB) NR
Rate: 0.75 to 1.1 oz. per 1000 sq. ft.

For selective broadleaf weed control in ornamental lawns and turf grasses.

Escort XP

Active Ingredient: Metasulfuron
Manufacturer: DuPont
Unit Purchase: 16 oz.
Units per Case: 8 x 16 OZ (64 CS)
Rate: check label

Post-emergence control of many annual and perennial weeds and woody plants in non-crop areas and conifer plantings. Some pre-emergence control.

Ethephon 2

Active Ingredient: PGR
Manufacturer: NuFarm
Unit Purchase: 1 gal.
Units per Case: 4 x 1 gal.; 2 x 2.5 gal.
Rate: 2.5 oz. to 8 oz. per acre

Plant growth regulator for commercial or agricultural use only.

Gallery 75DF

Active Ingredient: Isoxaben
Manufacturer: Corteva AgriScience
Unit Purchase: 1 lb.
Units per Case: 4 x 1 lb. (6 CT/CS)
Rate: 0.25 to 0.50 oz. per 1000 sq. ft.

A selective pre-emergence herbicide for control of many broadleaf weeds. Excellent control of clover in turf. Great tank mix with Surflan in ornamental beds and nurseries.

Gallery SC

Active Ingredient: Isoxaben
Manufacturer: Corteva AgriScience
Unit Purchase: 1 qt., 2.5 gal.
Units per Case: 16 x 1 qt. (18 CS), 2/2.5 gal. (48 CS)
Rate: 0.3 fl. oz. to 0.7 fl. oz. per 1000 sq. ft.

Pre-emergence herbicide for control of certain broadleaf weeds in, established turf, landscape ornamentals, container grown ornamentals, field grown ornamentals, groundcovers/perennials, non-cropland, ornamental bulbs and Christmas tree and conifer plantations.

GameOn

Active Ingredient: 2, 4-D, Fluroxypyr, Halauxifen-Methyl
Manufacturer: Corteva
Unit Purchase: 2.5 gal. (36 CS)
Units per Case: 2 x 2.5 gal.
Rate: 3-4 pints per acre (see label)

For postemergence control of annual and perennial broadleaf weeds in established turfgrass and ornamental grasses in golf courses (including fairways, aprons and roughs, tee boxes), industrial sites, cemeteries, commercial sod farms, and unimproved turfgrass areas. Unimproved turfgrass areas are defined as sites that are not regularly maintained, may only be mowed and treated 1-3 times per year.

Goal 2 XL

Active Ingredient: Oxyfluorfen
Manufacturer: Corteva AgriScience
Unit Purchase: 2.5 gal.
Units per Case: 2 x 2.5 gal. (36 CS)
Rate: 1 pt. to 8 pts. per acre

Selective pre-emergent and/or post-emergent herbicide used for control of listed annual grasses and broadleaf weeds.

Groom PGR T-Pac Mec

Active Ingredient: Trinexapac-ethyl
Manufacturer: Sipcam Advan
Unit Purchase: 1 gal.
Units per Case: 2 x 1 gal. (16 CS)
Rate: Use 0.125 to 1.0 oz. per 1000 sq. ft.

Plant growth regulator for use on well-managed turf.

Horsepower

Active Ingredient: Dicamba, MCPA, Triclopyr
Manufacturer: NuFarm
Unit Purchase: 2.5 gal. and 30 gal.
Units per Case: 2 x 2.5 gal. (36 CS) and 30 gal. (5)
Rate: 0.73 to 1.10 oz. per 1000 sq. ft.

A premium liquid post-emergent selective broadleaf herbicide, especially formulated to control hard to kill weeds in 2, 4-D free programs.

Kerb SC T/O

Active Ingredient: Pronamide
Manufacturer: Dow AgroSciences
Unit Purchase: 2.5 gal.
Units per Case: 2 x 2.5 gal. (36 CS)
Rate: Check label for rates

Selective preemergence and early post-emergence herbicide for control of winter annual and perennial grasses and chickweed and for preemergence control only of certain other broadleaf weeds and certain other grasses listed.

Kerb SC T/O (Restricted Use)

Active Ingredient: Pronamide
Manufacturer: Corteva AgriScience
Unit Purchase: 2.5 gal.
Units per Case: 2 x 2.5 gal. (36 CS)
Rate: 0.5-4.0 lb./acre

Selective preemergence and early post-emergence herbicide for control of winter annual and perennial grasses and chickweed and for preemergence control only of certain other broadleaf weeds and certain other grasses listed.

Lontrel

Active Ingredient: Clopyralid
Manufacturer: Corteva AgriScience
Unit Purchase: 1 qt.
Units per Case: 12 x 1 qt. (9 CS)
Rate: Use 0.1 to 0.5 oz. per 1000 sq. ft.

A selective post-emergent herbicide for use on turf and ornamentals. Controls broadleaf weeds such as musk thistle, yellow star thistle and ragweed.

MCPP 4 Amine

Active Ingredient: MCPP-P
Manufacturer: NuFarm
Unit Purchase: 2.5 gal. and 30 gal.
Units per Case: 2 x 2.5 gal. (36 CS); 30 gal. (5 DR)
Rate: 1 to 1.5 oz. per 1000 sq. ft.

Excellent clover control in bentgrass. Great to tank-mix with Triplet to increase clover control.

Meso-Try-One 4L

Active Ingredient: Mesotrione
Manufacturer: Drexel
Unit Purchase: 1 gal.
Units per Case: 4 x 1 gal. (48 CS)
Rate: 4 to 8 fl. Oz per Acre

Pre-emergence and post-emergence herbicide for selective contact and residual control of weeds in commercial and residential turf.

Millennium Ultra 2

Active Ingredient: 2,4-D Amine, Clopyralid, Dicamba
Manufacturer: NuFarm
Unit Purchase: 2.5 gal. and 30 gal.
Units per Case: 2 x 2.5 gal. (36 CS); 30 gal. (5 DR)
Rate: 0.33 to 1.1 oz. per 1000 sq. ft.

A premium liquid post-emergent selective broadleaf herbicide, specially formulated to provide superior broad spectrum weed control.

Ornamec (Over the Top)

Active Ingredient: Fluazifop-P-Butyl
Manufacturer: PBI/Gordon
Unit Purchase: 1 gal.
Units per Case: 4 x 1 gal. (40 CS)
Rate: Use 1.4 to 2.2 oz. per 1000 sq. ft.

Post-emergent control of grass weeds in and around ground covers, shrubs and trees in landscape beds, container yards and grower nursery fields.

Oxadiazon 2G, Ronstar G

Active Ingredient: Oxadiazon
Manufacturer: Quali Pro/Bayer
Unit Purchase: Case
Units per Case: 50 lb. (40)
Rate: 100-200 lb./acre

A selective, pre-emergence herbicide for control of annual grasses and broadleaf weeds in turf and woody ornamental shrubs, vines and trees.

Pendulum 2 G (Granular)

Active Ingredient: Pendimethalin
Manufacturer: BASF
Unit Purchase: 40 lb. (50 BG)
Units per Case: 40 lb. bag
Rate: See label

Preemergent weed control herbicide for non-cropland areas, ornamental plantings, and non-residential turf.

HERBICIDES

Pendulum 3.3 EC (Liquid)

Active Ingredient: Pendimethalin

Manufacturer: BASF

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (24 CS)

Turf Rate: 1.3 to 1.8 oz. per 1000 sq. ft.

Ornamentals: 1.8 to 3.6 oz. per 1000 sq. ft.

Preemergent weed control herbicide for non-cropland areas, ornamental plantings, and non-residential turf.

Pendulum Aquacap

Active Ingredient: Pendimethalin

Manufacturer: BASF

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (24 CS)

Turf Rate: 1.3 to 1.8 oz. per 1000 sq. ft.

Preemergent weed control herbicide for non-cropland areas, ornamental plantings, and non-residential turf.

Pillar G Intrinsic

Active Ingredient: Pyraclostrobin, Trifluoromethylpyridin-4-yl 1H-imidazole-5-carboxylate

Manufacturer: BASF

Unit Purchase: 30 lb. (50 BG)

Units per Case: 30 lb.

Rate: 3 lbs. per 1000 sq. ft.

For disease control and plant health in turfgrass

Plateau

Active Ingredient: Imazapic

Manufacturer: BASF

Unit Purchase: 1 gal.

Units per Case: 4 x 1 gal. (36 CS); 2 x 1 gal.

Rate: Check label

For weed control, native grass establishment and turf growth suppression on pastures, rangelands, and non-crop areas and conifer plantation site preparation.

Prizefighter™

Active Ingredient: Ammonium Nonanoate

Manufacturer: Vivid Life Sciences

Unit Purchase: 1 gal.; 2.5 gal.

Units per Case: 4/1 GL (48 CS); 2/2.5 GL (36 CS)

Rate: Check label

Broad spectrum non-selective burndown herbicide. OMRI certified. Leaves no harmful residues. Naturally derived from fatty acids. Starts showing results within 15 minutes. Breaks down weeds from the inside out by penetrating the cell wall. Controls a wide variety of broadleaf and grassy weeds. Can be used on its own or in conjunction with other herbicides. Effectively gets rid of weeds on contact with ammonium nonanoate

Prodiamine 4L

Active Ingredient: Prodiamine

Manufacturer: VARIOUS

Unit Purchase:

Units per Case:

Rate: 10-48oz/1000 Sq. Ft. Please check label for rates before use.

Convenient liquid formulation. Low use rates provide efficient season-long control of crabgrass, *Poa annua*, goosegrass and key annual broadleaf weeds.

Prodiamine 65WDG

Active Ingredient: Prodiamine

Manufacturer: VARIOUS

Unit Purchase: 20 lb. (50 BG)

Units per Case:

Rate: 0.185-0.83oz/1000 Sq. Ft. Please check label for rates before use.

Pre-emergent broadleaf and grassy weed control. Low solubility and volatility. Allows for both spring and fall use for crabgrass elimination.

Pylex

Active Ingredient: Topramezone

Manufacturer: BASF

Unit Purchase: 20 lb. (50 BG)

Units per Case: 4/8 OZ (55 CS)

Rate: 1.0 fl. oz. to 1.5 fl. oz. per acre

For post-emergence control of broadleaf and grass weeds in select turfgrass on golf courses, sod farms and residential turfgrass.

Q4 Plus Turf Herbicide

Active Ingredient: 2,4-D Amine, Dicamba, Quinclorac, Sulfentrazone

Manufacturer: PBI/Gordon

Unit Purchase: 1 gal., 2.5 gal., 30 gal.

Units per Case: 4 x 1 gal. (48 CS); 2 x 2.5 gal. (36 CS); 30 gal. (5 DR)

Rate: 2.6 to 3.0 oz. per 1000 sq. ft.

Control of certain grassy weeds and control of most troublesome broadleaf weeds in species in established cool season turf areas.

QuickSilver® Herbicide

Active Ingredient: Carfentrazone-ethyl

Manufacturer: FMC Corporation

Unit Purchase: 8 oz.

Units per Case: 4 x 8 oz.

Rate: 0.046 to 0.154 fl oz/1000 sq ft

QuickSilver Herbicide is a contact herbicide with little or no residual activity that provides selective postemergent control of silvery thread moss (*Bryum argenteum*) in turfgrass.

Quincept

Active Ingredient: 2,4-D Amine, Dicamba, Quinclorac

Manufacturer: NuFarm

Unit Purchase: 0.5 gal.; 2.5 gal.; 30 gal.

Units per Case: 8 x 0.5 gal. (36 CS), and 2 x 2.5 gals (36 CS)

Rate: 2.6 to 2.9 oz. per 1000 sq. ft.

Selective herbicide for control of broadleaf and certain grassy weeds in turfgrass.

Quinclorac 1.5L

Active Ingredient: Quinclorac

Manufacturer: VARIOUS

Unit Purchase:

Units per Case:

Rate: 1.47oz/1000 Sq. Ft. Please check label for rates before use.

For control of crabgrass and wide variety of annual and broadleaf weeds.

Quinclorac 75DF

Active Ingredient: Quinclorac

Manufacturer: VARIOUS

Unit Purchase:

Units per Case:

Rate: 0.18-0.367oz/1000 Sq. Ft. Please check label for rates before use.

Post-emergent broad spectrum control of annual grasses and broadleaf weeds including crabgrass, clover, dandelion and bindweed.

Quinstar 75DF

Active Ingredient: Quinclorac

Manufacturer: Albaugh

Unit Purchase: 1 lb.

Units per Case: 6 x 1 lb. (45 CS)

Rate: 1 lb. per acre

Post-emergent control of many broadleaf weeds and grasses, crabgrass.

Q-ball

Active Ingredient: Quinclorac

Manufacturer: NuFarm

Unit Purchase: 4/6 4 oz.

Units per Case: 4 x 64 oz. (36 CS)

Rate: 1 lb. per acre

Selective herbicide for control of broadleaf and certain grassy weeds in turfgrass. Convenient to use liquid formulation, labeled for use in low volume ride-on sprayers.

RangerPro

Active Ingredient: Glyphosate

Manufacturer: Various

Unit Purchase: 1 gal. and 30 gal.

Units per Case: 5 x 1 gal. (36 CS); 30 gal. (5 DR)

Rate: Check label

A post-emergent systemic herbicide that controls all non-woody plants (grasses and broadleaf weeds). Has no soil residual to interfere with new seedlings and transplants following herbicide treatment.

Roundup PRO Concentrate

Active Ingredient: Glyphosate

Manufacturer: Glyphosate

Unit Purchase: 2.5 gal.; 30 gal.

Units per Case: 2 x 2.5 gal.; Each

Rate: Check label

A post-emergent systemic herbicide that controls all non-woody plants (grasses and broadleaf weeds). Has no soil residual to interfere with new seedlings and transplants following herbicide treatment.

HERBICIDES

Roundup PROMAX

Active Ingredient: Glyphosate
Manufacturer: Bayer
Unit Purchase: 1.67 gal., and 30 gal.
Units per Case: 2 x 1.67 gal. (42) and 30 gal. (4)
Rate: Check label

A post-emergent systemic herbicide that controls all non-woody plants (grasses and broadleaf weeds). Has no soil residual to interfere with new seedlings and transplants following herbicide treatment.

Roundup QuickPro

Active Ingredient: Glyphosate
Manufacturer: Bayer
Unit Purchase: 6.8 lb. and 1.5 oz.
Units per Case: 4 x 6.8 lb. (18); 6 x 5/1.5 oz. (102 CS)
Rate: Check label

A post-emergent systemic herbicide that controls all non-woody plants (grasses and broadleaf weeds). Has no soil residual to interfere with new seedlings and transplants following herbicide treatment.

Scythe

Active Ingredient: Pelargonic Acid
Manufacturer: Gowen
Unit Purchase: 2.5 gal.
Units per Case: 2 x 2.5 case (36 CS)
Rate: Check label

A contact, non-selective, broad-spectrum, foliar applied herbicide to provide burn down of both annual and perennial broadleaf and grass weeds.

Sedgehammer

Active Ingredient: Halosulfuron
Manufacturer: Gowan
Unit Purchase: 10(10/1.333 oz.
Units per Case: bottle
Rate: 0.66 to 1.33 oz. per acre for treatment 0.9 grams per 1000 sq. ft. spot treatment

A selective herbicide for the control of nutsedge and other weeds in turfgrass and landscaped area.

Sedgehammer Plus

Active Ingredient: Halosulfuron
Manufacturer: Gowan
Unit Purchase: 20(12/13.5 GR)
Units per Case: bottle
Rate: 1 packet treats 1000 sq. ft.

A selective herbicide for the control of nutsedge and other weeds in turfgrass and landscaped areas. Ready-to-use mix. Includes surfactant.

Segment

Active Ingredient: Sethoxydim
Manufacturer: BASF
Unit Purchase:
Units per Case:
Rate: 0.8 to 1.4 oz. per 1000 sq. ft.

A selective, broad spectrum, post-emergent herbicide for control of annual and perennial grass weeds in turf, ornamentals, non-food and non-crop sites.

Segment II

Active Ingredient: Sethoxydim
Manufacturer: BASF
Unit Purchase:
Units per Case:
Rate: 0.6 to 0.9 ozs /1,000 sq. ft.

A selective, broad spectrum, post-emergent herbicide for control of annual and perennial grass weeds in turf, ornamentals, non-food and non-crop sites.

Snapshot 2.5 TG

Active Ingredient: Isoxaben, Trifluralin
Manufacturer: Corteva AgriScience
Unit Purchase: 50 lb. (40)
Units per Case: Each
Rate: 2.3 to 4.6 lb./1000 sq. ft.; 100 to 200 lb./ acre

A pre-emergent herbicide that controls broadleaf weeds and annual grasses in ornamental beds, nurseries, Christmas trees, non-bearing fruit and nut crops.

Snapshot DG

Active Ingredient: Isoxaben, Trifluralin
Manufacturer: Corteva AgriScience
Unit Purchase: 25 lb.
Units per Case: 25 lb. (84 BG)
Rate: 2.3 to 4.6 lb./1000 sq. ft. 100 to 200 lb./acre

A selective pre-emergent herbicide for control of certain broadleaf weeds and annual grasses.

Speed Zone EW

Active Ingredient: 2,4-D Ester, Carfentrazone-Ethyl, Dicamba, MCPP-P
Manufacturer: PBI/Gordon
Unit Purchase: 1 gal.; 2.5 gal.
Units per Case: 4/1 GL (48 CS); 2/2.5 GL (36 CS)
Rate: 0.75 to 1.80 oz./1000 sq. ft.

Broadleaf herbicide used for the control of tough weeds like clover, plantain, ground ivy and spurge.

Sure Power

Active Ingredient: 2,4-D, Triclopyr, Fluroxypyr
Manufacturer: NuFarm
Unit Purchase: 2.5 gal.
Units per Case: 2 x 2.5 gal.
Rate: 2.0 to 3.5 pt./acre

Post emergent weed control for common and hard to kill weeds such as ground ivy (creeping charley) and wild violet in cool season turf

SureGuard SC

Active Ingredient: Flumioxazin
Manufacturer: NuFarm
Unit Purchase: 1 pt.
Units per Case: 8/1 PT (144 QT)
Rate: 8.0 to 12 fl oz./acre

Pre-emergent and post emergent weed control in a convenient formulation for aquatics, bareground, commercial and residential landscapes, tree wells, gravel areas, driveways and other similar sites

Surepyc

Active Ingredient: Sulfentrazone
Manufacturer: AMVAC
Unit Purchase:
Units per Case:
Rate: See label. Varies with turfgrass species. 4 - 12 oz/acre range

Controls yellow nutsedge and green kyllinga in both cool-season and warm-season turfgrasses, including Kentucky bluegrass, perennial ryegrass, tall and fine fescue, bermudagrass and zoysiagrass.

Surge

Active Ingredient: 2,4-D Amine, Dicamba, MCP-P, Sulfentrazone
Manufacturer: PBI/Gordan
Unit Purchase: 1 gal.; 2.5 gal.; 30 gal.
Units per Case: 4/1 GL (52 CS), 2/2.5 GL (36 CS), 30 GL (5 DR)
Rate: 1.2 to 1.5 oz./1000 sq. ft.

Broadleaf herbicide for turf provides an amine option fast weed control in warm weather. Will control spurge, knotweed, oxalis, clover, dandelion and plantain.

T-Zone SE

Active Ingredient: 2,4-D Ester, Dicamba, Sulfentrazone, Triclopyr
Manufacturer: PBI/Gordon
Unit Purchase: 1 gal. and 2.5 gal.
Units per Case: 4/1 GL (48 CS); 2/2.5 GL (36 CS)
Rate: 0.75 to 1.50 fl. oz./1000 sq. ft.

Post-emergence broadleaf weed herbicide for use on hard-to-control weeds, such as violets and ground ivy.

Team 2G

Active Ingredient: Benefin, Trifluralin
Manufacturer: Various
Unit Purchase: 40 lb. (56 BG)
Units per Case: Each
Rate: 1.75 to 3.5 lb. per 1000 sq. ft.

A selective preemergence herbicide for the control of crabgrass and most other annual grasses in turf areas.

Tide Paclo 2SC

Active Ingredient: Paclobutrazol
Manufacturer: SipcarnAdvan
Unit Purchase: 1 gal.
Units per Case: 4 x 1 gal. (12 CS)
Rate: Check label

A systemic plant growth regulator that slows vegetative growth on turf and trees.

Treflan 5G

Active Ingredient: Trifluralin
Manufacturer: various
Unit Purchase: 40 lb.
Units per Case: 40 lb. (56 BG)
Rate: 5.5 to 7.3 lb./ 1000 sq. ft.

Selective pre-emergence herbicide for the control of annual grasses and broadleaf weeds in nurseries and ornamental beds.

Trimec 992

Active Ingredient: 2,4-D Amine, Dicamba, MCP-P
Manufacturer: PBI Gordon
Unit Purchase: 2.5 gal.; 55 gal. and 275 gal.
Units per Case: 2/2.5 gal. (36 CS), 55 gal. (4 DR), 275 gal. (MB) NR
Rate: 1.8 to 4.0 pts./acre

Lawn applicator formula for quick knock-down of problem weeds. Broad spectrum of weeds like plantain, thistle, clover and dandelion.

Trimec Classic

Active Ingredient: 2,4-D Amine, Dicamba, MCP-P
Manufacturer: PBI Gordon
Unit Purchase: 1 gal.; 2.5 gal. and 30 gal.
Units per Case: 4 x 1 gal. (48 CS); 2 x 2.5 gal. (36 CS); 30 gal. (4 DR)
Rate: 1.0 to 1.5 oz./1000 sq. ft.

Low odor, broad spectrum herbicide for control of many broadleaf weeds like dandelion, henbit and spurge.

Trimec Granular

Active Ingredient: 2,4-D Amine, Dicamba, MCP-P
Manufacturer: Howard Johnson
Unit Purchase: 20 lb.
Units per Case: 20 lb. (100 BG)
Rate: 2.0 lb./1000 sq. ft..

Broadleaf granular herbicide.

Triplet Low Odor

Active Ingredient: 2,4-D Amine, Dicamba, MCP-P
Manufacturer: NuFarm
Unit Purchase: 2.5 gal.; 30 gal.; 55 gal. and 250 gal.
Units per Case: 2 x 2.5 gal. (36 CS), 30 gal. (5 DR), 55 gal., 250 gal. (MB) NR
Rate: 0.67 to 1.5 oz./1000 sq. ft.

Advanced new chemistry delivers effective broad-spectrum weed control with significantly reduced odor and no residual smell. Controls dandelion, knotweed, spurge and many other broadleaf weeds.

HERBICIDES

Triplet SF

Active Ingredient: 2,4-D Amine, Dicamba, MCPP-P
Manufacturer: NuFarm
Unit Purchase: 1 gal.; 2.5 gal.; 30 gal.; 55 gal.; and 250 gal.
Units per Case: 5 x 1 gal. (36 CS), 2 x 2.5 gal. (36 CS), 30 GL (5 DR),
55 GL (4 DR), 250 GL (MB) NR
Rate: 1.1 to 1.5 oz./1000 sq. ft.

A three-way post-emergent selective broadleaf herbicide containing 2, 4-D, mecoprop and dicamba. It controls dandelion, clover, henbit, plantains, wild onion,, and many other broadleaf weeds in turf. The staple herbicide used for turf.

Tupersan 50W

Active Ingredient: Siduron
Manufacturer: PBI/Gordon
Unit Purchase: 4 lb. or 50 lb.
Units per Case: 12 x 4 lb. (18 CS); 50 lb. (20 BX)
Rate: 4-12 lb./acre

Selective herbicide for preemergent control of annual weed grasses in turf. Controls crabgrass, foxtail and barnyard grass.

Turflon Ester Ultra

Active Ingredient: Triclopyr
Manufacturer: Corteva AgriScience
Unit Purchase: 2.5 gal.
Units per Case: 2 x 2.5 gal. (36 CS)
Rate: 0.18 to 0.36 oz. per 1000 sq. ft.

Ester formulation of Triclopyr. Excellent choice to control hard-to-kill weeds like wild violets.

Vexis

Active Ingredient: Pyrimisulfan
Manufacturer: PBI Gordon
Unit Purchase: 2 lb. can; 15 lb. bag.
Units per Case: 2 lb. can (6 CS), 15 lb. bag (112 BG)
Rate: 2 lb. / 500 sq. ft.

Selective herbicide for post-emergent control of listed broadleaf weeds, sedges, kylinga and rush species commonly found in turfgrasses. It can be used on established warm seasoned grasses and cool seasoned grasses (except bentgrass mowed under 1/2").

Abamectin .15EC/Avid .15EC

Active Ingredient: Abamectin

Manufacturer: NuFarm/Syngenta

Unit Purchase:

Units per Case:

Rate: 4.0 to 8.0 oz./100 gal. of water

For agricultural and commercial use to control leafminers and mites and to suppress aphids, whiteflies and thrips on ornamental plants.

Arena .25G

Active Ingredient: Clothianidin

Manufacturer: NuFarm

Unit Purchase: 30 lb.

Units per Case: 50 bags/pallet

Rate: See label for rate details

For systemic insect control in turfgrass, sod farms, landscape ornamentals, interior plantscapes and non-bearing fruits and nuts (in landscapes).

50WDG

Active Ingredient: Clothianidin

Manufacturer: NuFarm

Unit Purchase: Case

Units per Case: 4 x 40 oz.

Rate: See label for rate details

For foliar and systemic control of listed insects in commercial and residential landscapes and interiorscapes, non bearing fruit and nut trees, residential apple and pear trees, turfgrass and sites where plants are grown for ornamental, aesthetic and climate modification purposes.

Bifenthrin 0.1% Granular

Active Ingredient: Bifenthrin

Manufacturer: Lebanon

Unit Purchase: 30 lb.

Units per Case: 30 lb. (60 BG)

Rate: 2.4 lb./1000 sq. ft.

Broad-spectrum insecticide.

Carbaryl 4L

Active Ingredient: Carbaryl

Manufacturer: Drexel

Unit Purchase: 2.5 gal. (48 CS)

Units per Case: 2 x 2.5 gal.

Rate: Check label

Broad spectrum insecticide for commercial and residential turf and ornamentals.

Conserve SC

Active Ingredient: Spinosad

Manufacturer: Corteva AgriScience

Unit Purchase: 1 qt.

Units per Case: 4 x 1 qt. (4CT/CS) (72 CS)

Turf Rate: 0.25 to 1.2 oz./1000 sq. ft.;

Ornamentals

Rate: 0.06 to 0.20 fl. oz./gal. of water

Conserve SC is a whole new class of chemical that contains the efficacy of synthetics with the benefits of biological.

Dylox 6.2G

Active Ingredient: Trichlorfon

Manufacturer: Bayer

Unit Purchase: 30 lb.

Units per Case: 30 lb. (60 BG)

Rate: 3 lb. per 1000 sq. ft.

Granular insecticides for control of "White Grub" larvae of Japanese Beetle, European Chafer and Southern Chafer in turf. For quick knockdown of subsurface insects. Short residual (7-10 days).

Mallet .5G

Active Ingredient: Imidacloprid

Manufacturer: NuFarm

Unit Purchase: 30 lb.

Units per Case: 30 lb. BG

Rate: 1.2 to 1.8 lb./1000 sq. ft.

For foliar and systemic insect control in turfgrass including sod farms, landscape ornamentals, fruit and nut trees and interior plantscapes.

Mallet 2F

Active Ingredient: Imidacloprid

Manufacturer: NuFarm

Unit Purchase: 1 gal.; 2.5 gal.; 60 oz.

Units per Case: 4 x 1 gal. (12 CS), 2 x 2.5 gal. (36 CS)

Turf Rate: 0.46 to 0.60 fl. oz./1000 sq. ft.

Trees & Shrubs: 1.5 fl. oz./ 100 gal. of water

For foliar and systemic insect control in turfgrass including sod farms, landscape ornamentals, fruit and nut trees and interior plantscapes.

Orthene Turf, Tree & Ornamental Spray

Active Ingredient: Acephate

Manufacturer: AMVAC

Unit Purchase: 0.33 lb. WSP

Units per Case: 12(3/.33 LB)

Rate: See label. Varies with pest and plant. 0.333 lb. to 1.333 lb. /100 gal. of water range

Insecticide for trees, shrubs, floral, turf and foliage crops. Used to control gypsy moth larvae, bagworm, cankerworms, California oakworm, pine tip moth and elm leaf beetle on trees and shrubs. Also for thrips, aphids, leafrollers, and Japanese beetles on some floral and foliage plant crops. Used to control green bug aphids in turf.

INSECTICIDES

Orthene Turf, Tree & Ornamental Spray 97

Active Ingredient: Acephate

Manufacturer: AMVAC

Unit Purchase: 10 lb. bag

Units per Case: 4 x 10 lb. (36 CS)

Rate: See label. Varies with application method, pest and plant.

Insecticide for trees, shrubs, floral, turf and foliage crops. Used to control gypsy moth larvae, bagworm, cankerworms, California oakworm, pine tip moth and elm leaf beetle on trees and shrubs. Also for thrips, aphids, leafrollers, and Japanese beetles on some floral and foliage plant crops. Used to control green bug aphids in turf.

Permethrin SFR

Active Ingredient: Permethrin

Manufacturer: Quali-Pro

Unit Purchase: 1.25 gal.

Units per Case: 4 x 1.25 gal. (40)

Turf Rate: 0.4 to 0.8 fl. oz./1000 sq. ft.;

Ornamentals

Rate: See label

For use to control insect pests on lawns, ornamental trees and shrubs and around buildings for perimeter insect control.

Safari

Active Ingredient: Dinotefuran

Manufacturer: NuFarm

Unit Purchase: 12 oz.; 3 lb.

Units per Case: 16/12 oz (30 CS); 4/3 LB

Rate: check label for method specific rates

Systemic insecticide that quickly knocks down a broad spectrum of ornamental pest with long lasting control. Can be applied foliar, basal bark or soil drench/injection.

Sevin 7G

Active Ingredient: Carbaryl

Manufacturer: Lebanon Seaboard

Unit Purchase: 30 lb.

Units per Case: 30 lb. (60 BG)

Rate: 0.35 lbs. to 3.0 lbs. per 1000 sq. ft.

Insect control for agricultural or commercial use only.

Talstar® Professional Insecticide

Active Ingredient: Bifenthrin

Manufacturer: FMC Corporation

Unit Purchase:

Units per Case:

Rate: 0.125 to 1.0 oz./1000 sq ft

Flexible and powerful, Talstar Professional Insecticide is the #1 product for mosquito control and ideal for lawn, landscape and perimeter jobs. With its broad label and dependable efficacy against surface-feeding pests, Talstar® Professional insecticide has been expertly formulated to meet your specific needs.

Tempo SC Ultra

Active Ingredient: Beta-Cyfluthrin

Manufacturer: Bayer

Unit Purchase: 240 ml

Turf Rate: 5.9 to 8.75 oz./acre;

Ornamentals

Rate: 1.0 to 1.5 oz./ 100 gal. of water

Highly effective against insects, especially the leaf-chewing insects that affect ornamental plants and turf.

Wisdom TC Flowable

Active Ingredient: Bifenthrin

Manufacturer: AMVAC

Unit Purchase: 1 gal.

Units per Case: 4 x 1 gal. (30 CS)

Rate: See label. Varies with pest and use area.

Broad spectrum pest control indoors and outdoors on residential, institutional, public, commercial and industrial buildings, as well as lawns, ornamentals, parks, recreational areas and athletic fields.

Zylam Liquid

Active Ingredient: Dinotefuran

Manufacturer: PBI/Gordon

Unit Purchase: 1 qt.

Units per Case: 4 x 1 qt. (128 CS)

Rate: Check label

Systemic insecticide for rapid control of damaging tree and shrub insects.

3336 DG Lite

Active Ingredient: Thiophanate Methyl

Manufacturer: NuFarm

Unit Purchase: 30 lb. bag

Units per Case:

Rate: 6.0 to 24.0 lb per 1000 sq. ft.

For the prevention and control of turf diseases and the diseases of annual and perennial flowers, bedding plants, foliage plants, ground covers, plus deciduous and evergreen trees and shrubs.

AgriFos®+

Active Ingredient: Potassium Phosphite

Manufacturer: Vivid Life Science

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal.

Rate: Check Label

EPA registered Potasium-based phosphite fungicide for greater plant uptake. 60.5% AI concentration. Provides complete translocation of active ingredient throughout the plant due to advanced phosphite formulation techniques.

Captan 4L

Active Ingredient: Captan

Manufacturer: Drexel

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal.

Rate: See Label

Broad spectrum protective fungicide for use in preventing damping off, foliar blights, leaf spots, molds, and brown patch diseases in ornamentals and golf course turf.

Captan 80 WDG

Active Ingredient: Chlorothalonil

Manufacturer: Quali-Pro

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (48 CS)

Rate: 2.2-5.5oz/1000 Sq. Ft. Please check label for rates before use.

Contact fungicide that features preventative disease protection with multi-site activity with no resistance to repeated use.

Chlorothalonil 720

Active Ingredient: Captan

Manufacturer: Drexel

Unit Purchase: 6.25 lb.; 30 lb.

Units per Case: 8 x 6.25 lb. (36 CS); 30 lb (70 BG)

Rate: See Label

Broad spectrum protective fungicide for use in preventing damping off, foliar blights, leaf spots, molds, and brown patch diseases in ornamentals and golf course turf.

Chlorothalonil 720

Active Ingredient: Chlorothalonil

Manufacturer: Drexel

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 GL (48 CS)

Rate: 2.1 to 7.7 oz. per 1000 sq. ft.

A broad-spectrum fungicide for use on turf and ornamentals. For control of dollar spot, leaf spot, brown patch, red thread and anthracnose. With sticker to enhance efficacy.

Chlorothalonil DF

Active Ingredient: Chlorothalonil

Manufacturer: VARIOUS

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5

Rate: 2.5-8.8lb. per Acre Please check label for rates before use.

Contact fungicide that features preventative disease protection with multi-site activity with no resistance to repeated use.

Defiant 75WDG

Active Ingredient: Thiram

Manufacturer: Taminco

Unit Purchase: 10 lb.

Units per Case: 4 x 10 lb. (30 CS)

Rate: 2.5 to 8.0 oz./1000 sq. ft.

A dual purpose product that protects your turf from disease and your turf and ornamentals from animal damage. Prevents brown patch, dollar spot, pink snow mold, deer, rabbit, rodent and geese damage.

FUNGICIDES

Dithane 75DF Rainshield

Active Ingredient: Mancozeb

Manufacturer: Corteva AgriScience

Unit Purchase: 12 lb.

Units per Case: 4 x 12 lb. (18 CS)

Rate: Use 4 to 8 oz. per 1000 sq. ft.

A broad-spectrum protectant fungicide recommended for outdoor or greenhouse grown crops.

Eagle .39G

Active Ingredient: Myclobutanil

Manufacturer: Howard Johnson

Unit Purchase: 30 lb.

Units per Case: 30 lb. (60 BG)

Rate: Use 4 to 8 oz. per 1000 sq. ft.

A granular product containing a systemic protectant and curative fungicide for the control of turf grass diseases in established lawns and in ornamental turfs including golf course tees and greens and in sod farms.

Eagle 20 EW

Active Ingredient: Myclobutanil

Manufacturer: Corteva AgriScience

Unit Purchase: 1 pt. and 1 gal.

Units per Case: 8 x 1 pt. (144 qt.); and 4 x 1 gal. (48 CS)

Rate: Use 0.6 to 1.2 oz. per 1000 sq. ft.

A preventative and curative broad-spectrum systemic turf and ornamental fungicide. Controls over 15 turf diseases.

Echo 6 F ETQ

Active Ingredient: Chlorothalonil

Manufacturer: SipcamaAdvan

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (36 CS)

Rate: 2.0 to 5.5 oz. per 1000 sq. ft.

A broad spectrum fungicide for use on turf and ornamentals. For control of dollar spot, leaf spot, brown patch, red thread and anthracnose. With sticker to enhance efficacy.

Echo 720 (Turf Label)

Active Ingredient: Chlorothalonil

Manufacturer: SipcamaAdvan

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (72 CS)

Rate: 2.1 to 7.7 oz. per 1000 sq. ft.

A broad spectrum fungicide for use on turf and ornamentals. For control of dollar spot, leaf spot, brown patch, red thread and anthracnose. With sticker to enhance efficacy.

Echo Ultimate 82.5 WDG

Active Ingredient: Chlorothalonil

Manufacturer: SipcamaAdvan

Unit Purchase: 5 lb.

Units per Case: 4 x 5 lb. (48 CS)

Rate: Turf: 5.0 to 8.9 lb. per acre;

Conifers: 1.36 to 5.0 lb. per acre

A broad spectrum fungicide for use on turf and ornamentals. For control of dollar spot, leaf spot, brown patch, red thread and anthracnose. With sticker to enhance efficacy.

Echo Ultimate ETG

Active Ingredient: Chlorothalonil

Manufacturer: SipcamaAdvan

Unit Purchase: 10 lb.

Units per Case: 2 x 10 lb. (36 CS)

Rate: 1.82 to 5.0 oz./1000 sq. ft.

A broad spectrum fungicide for use on turf and ornamentals. For control of dollar spot, leaf spot, brown patch, red thread and anthracnose. With sticker to enhance efficacy.

Echo Zn (Turf label)

Active Ingredient: Chlorothalonil

Manufacturer: SipcamaAdvan

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (36 CS)

Rate: 3.0 to 8.0 oz./1000 sq. ft.

A broad spectrum fungicide for use on turf and ornamentals. For control of dollar spot, leaf spot, brown patch, red thread and anthracnose. With sticker to enhance efficacy.

Endow 2SC

Active Ingredient: Azoxystrobin

Manufacturer: SipcamaAdvan

Unit Purchase: 1 gal.

Units per Case: 2 x 1 gal. (16 CS)

Rate: 0.38 fl. oz. to 1.35 fl. oz. per 1000 sq. ft.

Broad spectrum fungicide for control of plant diseases.

Fame® SC Fungicide

Active Ingredient: Fluoxastrobin

Manufacturer: FMC Corporation

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (36 CS)

Rate: 0.09 to 0.36 fl oz per 1000 sq ft

Fame® SC Fungicide, a premier fungicide for the golf course or residential lawns, is the choice for diseases like brown patch, summer patch, fairy ring and pythium root dysfunction. It's rainfastness in 15 minutes and complete uptake provide peace of mind for the applicator.

Fore WSP Rainshield

Active Ingredient: Mancozeb

Manufacturer: Corteva AgriScience

Unit Purchase: 1.5 lb.

Units per Case: 8 (4 x 1.5 lb.) (18 CS)

Rate: Use 4 to 8 oz. per 1000 sq. ft.

A broad-spectrum protectant fungicide which provides a high level of disease control.

Kabuto SC

Active Ingredient: Isofetamid

Manufacturer: PBI/Gordon

Unit Purchase: 21.78 oz.

Units per Case: 6 x 21.78 oz.

Rate: .4 - .5 oz per 1000 sq ft

A fungicide for the control of Dollar Spot and Spring Dead Spot

Mefenoxam 2 AQ

Active Ingredient: Mefenoxam

Manufacturer: Quali-Pro

Unit Purchase: 1 gal.; 2.5 gal.

Units per Case: 2 x 1 gal. (72 CS); 2 x 2.5 gal. (36 CS)

Rate: 0.25 to 2.0 oz. per 1000 sq. ft.

Systemic fungicide for control of Pythium blight and root rot disease on turf and ornamentals.

Nivales 1L

Active Ingredient: fludioxonil

Manufacturer: SipcarnAdvan

Unit Purchase: 1 gal.

Units per Case: 2 x 1 gal. (16 CS)

Rate: 0.75 fl. oz. to 1.15 fl. oz. per 1000 sq. ft.

Control of certain foliar, stem and root diseases in turfgrass including golf courses, institutional, commercial and residential lawns, sod farms, sport fields, parks, municipal grounds and cemeteries, field and container nursery, greenhouse and shade houses.

Phiticide

Active Ingredient: Phosphite

Manufacturer: Drexel

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (36 CS)

Rate: 4 to 10 fl. oz per 1000 sq. ft.

Systemic fungicide for use on turfgrass such as those found on golf courses, sod farms and other turf areas to control Pythium diseases and Yellow tuft.

Pinpoint

Active Ingredient: Mandestrobin

Manufacturer: NuFarm

Unit Purchase: 60 oz.

Units per Case: 4 x 60 oz. (48)

Rate: 7.4-13.5 fl. oz./acre

Fungicide with a new active ingredient for dollar spot and several other common disease.

Propiconazole Strider

Active Ingredient: Propiconazole

Manufacturer: NuFarm

Unit Purchase:

Units per Case:

Rate: 0.5 to 4.0 oz./1000 sq. ft.

Systemic fungicide for the control of dollar spot, brown patch, leaf spot, patch disease, rust, red thread, and many other turf diseases. Should be tank mixed with a good contact fungicide, such as Echo 720 (chlorothalonil).

Proplant

Active Ingredient: Propamocarb Hydrochloride

Manufacturer: Sipcarn Advan

Unit Purchase: 1 gal.

Units per Case: 2 x 1 gal. (16 CS)

Rate: 1.3 to 4 oz. per 1000 sq. ft.

A fungicide for control of Pythium and Phytophthora in greenhouse and field-grown crops.

Segway Fungicide

Active Ingredient: Cyazofamid

Manufacturer: PBI/Gordon

Unit Purchase: 39.2 oz.

Units per Case: 12 x 39.02 oz.

Rate: Various rates, please see label

Fungicide for control of Pythium disease in turfgrass

Spectro 90 WDG

Active Ingredient: Chlorothalonil, Thiophanate-Methyl

Manufacturer: NuFarm

Unit Purchase: 5 lb.; 24 lb.

Units per Case: 4 x 5 lb. (48 CS); 24 lb. (36 PL)

Rate: 2 to 8 oz. per 1000 sq. ft. in turf; 0.75 to 1.5 lb. to 100 gal. in ornamentals.

Broad-spectrum contact and systemic fungicide for use on golf course and ornamental turfgrass as well as on ornamental plants, trees and shrubs.

Spotrete FL

Active Ingredient: Thiram

Manufacturer: Cleary Chemical

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (36 CS)

Rate: 3.75 to 12.0 fluid oz./1000 sq. ft.

Flowable Thiram turf fungicide. Fungicide action controls brown patch, dollar spot and snow mold.

FUNGICIDES

Tebuconazole 3.6F

Active Ingredient: Tebuconazole

Manufacturer: Albaugh

Unit Purchase: 1 gal.

Units per Case: 4 x 1 gal. (36 CS)

Rate: 0.6 oz. to 1.1 oz. per 1000 sq. ft.

For control of diseases on ornamentals and golf courses

Tee-Off 4.5F

Active Ingredient: Thiophanate-methyl

Manufacturer: SipcamAdvan

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (36 CS)

Rate: Turf: 1.0 to 5.35 oz./1000 sq. ft.;

Foliar Spray: 5.0 to 10.0 oz./100 gal.

For the prevention and control of turf diseases and the diseases of annual and perennial flowers, bedding plants, foliage plants, ground covers, plus deciduous and evergreen trees and shrubs.

Tekken Broad Spectrum Fungicide

Active Ingredient: Isofetamid + Tebuconazole

Manufacturer: PBI/Gordon

Unit Purchase:

Units per Case:

Rate: 3 oz / 1000 sq ft

A broad spectrum fungicide for the control of 21 turfgrass diseases

T-Methyl 4.5F SPC

Active Ingredient: Thiophanate-Methyl

Manufacturer: NuFarm

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal.

Rate: Turf: 2.0 to 6.0 oz./1000 sq. ft.; Ornamentals:

8.0 to 16.0 oz./100 gal. of water

For the prevention and control of turf diseases and the diseases of annual and perennial flowers, bedding plants, foliage plants, ground covers, plus deciduous and evergreen trees and shrubs.

T-Methyl 50 WSB SPC

Active Ingredient: Thiophanate-Methyl

Manufacturer: NuFarm

Unit Purchase: 4 oz.; 8 oz.

Units per Case: 6 x 4/8 oz. (54 CS)

Rate: Turf: 2.0 to 6.0 oz./1000 sq. ft.;

Ornamentals: 8.0 to 16.0 oz./100 gal. of water

For the prevention and control of turf diseases and the diseases of annual and perennial flowers, bedding plants, foliage plants, ground covers, plus deciduous and evergreen trees and shrubs.

Traction

Active Ingredient: Fluazinam, Tebuconazole

Manufacturer: NuFarm

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (36 CS)

Rate: 1.3 fl oz/1,000 sq. ft.

Pre mix two way contact and systemic fungicide for golf course disease programs. Effectively controls 19 challenging diseases.

Turfcide 10G

Active Ingredient: PCNB

Manufacturer: Amvac

Unit Purchase: 50 lb. (40 BG)

Units per Case: Each

Rate: See label. Varies with disease and turf species.

2.0 to 10.0 lb./1000 sq. ft. range

Preventative granular fungicide recommended for control of certain soil-borne diseases of turf and certain ornamental crops.

Turfcide 400

Active Ingredient: PCNB

Manufacturer: Amvac

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (36 CS)

Rate: See label. Varies with disease and turf species.

5.0 to 24 oz/1000 sq. ft. range

Preventative granular fungicide recommended for control of certain soil-borne diseases of turf and certain ornamental crops.

INDUSTRIAL, BACKGROUND & RIGHT-OF-WAY

Arsenal

Active Ingredient: Imazapyr

Manufacturer: BASF

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (24 CS)

Rate: 2 to 6 pts. in 10 to 60 gal. of water per acre

Preemergence and postemergence herbicide for non-cropland areas. Controls annual and perennial broadleaf weeds and grasses plus woody plants.

Chaparral

Active Ingredient: K, Metsulfuron-Methyl

Manufacturer: Corteva AgriScience

Unit Purchase: 1.25 lb.

Units per Case: 6 x 1.25 lb. (80 CS)

Rate: 1.5 oz. to 3.0 oz. per acre

For control of susceptible weeds and certain woody plants, including invasive and noxious weeds, on rangeland, permanent pasture, grass pastures, CRP acres and wildlife management areas.

Crossbow

Active Ingredient: 2,4-D, Triclopyr Ester

Manufacturer: Various

Unit Purchase: 1 gal. and 2.5 gal.

Units per Case: 4 x 1 gal. (48 CS); and
2 x 2.5 gal. (36 CS)

Rate: 1 to 1.5 gal. per 100 gal. of water

Selective herbicide for foliar sprays, dormant stems, basal bark and cut stump treatments. Controls several woody plants and broadleaf weeds in pastures, ditch banks, roadsides and other non-cropland areas.

Diuron 4L

Active Ingredient: Diuron

Manufacturer: Various

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (48 CS)

Rate: 0.6 qt. to 4.8 qts. per acre

Liquid pre-emergence bareground herbicide for non-cropland areas, irrigation and drainage ditches. Controls annual broadleaf weeds and certain grasses, such as kochia, Russian thistle, pigweed and foxtail.

Diuron 80 DF

Active Ingredient: Diuron

Manufacturer: Various

Unit Purchase: 25 lb.

Units per Case: 25 lb. (40)

Rate: 5.0 to 15 lb. per acre

Liquid pre-emergence bareground herbicide for non-cropland areas, irrigation and drainage ditches. Controls annual broadleaf weeds and certain grasses, such as kochia, Russian thistle, pigweed and foxtail.

Elite Premier Blue Dye

Active Ingredient: Dye

Manufacturer: Red River Specialties

Unit Purchase: 12.5 gal.; 15 pt

Units per Case: 12.5 gal. (9 DR); 2/15 pt (48 CS)

Rate: 1;4 (20%) or 1;3 (25%) dilution ratios

A unique, highly emulsified, low viscosity, non-aromatic diluent developed for basal-bark and cut-surface brush control applications.

Escort XP

Active Ingredient: Metsulfuron

Manufacturer: Bayer

Unit Purchase: 16 oz.

Units per Case: 8 x 16 oz. (64 CS)

Rate: Check label

Post-emergence control of many annual and perennial weeds and woody plants in non-crop areas and conifer plantings. Some pre-emergence control.

Freelexx

Active Ingredient: 2, 4-D Choline Salt

Manufacturer: Corteva

Unit Purchase: 2.5 gal. (36 CS)

Units per Case: 2 X 2.5 gal.

Rate: 1.5 to 8 pints per acre (see label)

For selective control of many broadleaf weeds in forests, grass pastures, rangeland, Conservation Reserve Program acres, ornamental turfgrass (including turfgrass grown for sod or seed), non-cropland and aquatic areas as listed. Also for control of trees by injection.

Hi Dep

Active Ingredient: 2,4-D Amine

Manufacturer: PBI/Gordon

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (36 CS)

Rate: 1.0 to 2.0 qts./acre

Selective post-emergence herbicide for pasture, rangeland, and non-cropland areas. Controls annual and perennial broadleaf weeds.

INDUSTRIAL, BACKGROUND & RIGHT-OF-WAY

Hyvar X-L

Active Ingredient: Bromacil

Manufacturer: Bayer

Unit Purchase: 1 gal.

Units per Case: 4 x 1 gal.

Rate: Brush Control: Undiluted basal soil application through a spot gun at 5 to 10 mils. per 2" to 4" basal diameter.

Non-selective pre-emergence herbicide for non-cropland areas. Controls perennial broadleaf weeds and grasses plus many brush species.

Karmex DF

Active Ingredient: Diuron

Manufacturer: Various

Unit Purchase: 5 lb.

Units per Case: 10 x 5 lb. (24 CS)

Rate: 5.0 to 15.0 lb./acre

Dry pre-emergence bareground herbicide for non-cropland areas, irrigation and drainage ditches. Controls annual broadleaf weeds and certain grasses, such as kochia, Russian thistle, pigweed and foxtail.

Krovar DF

Active Ingredient: Bromacil, Diuron

Manufacturer: Bayer

Unit Purchase: 6 lb.

Units per Case: 8 x 6 lb. (18 CS)

Rate: Check label

A dispersible granule. Mix with water and apply as a spray for selective control of weeds in citrus and for non-crop weed control. Do not use in recreational areas or in or around homes.

Milestone

Active Ingredient: Aminopyralid

Manufacturer: Corteva AgriScience

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (36 CS)

Rate: 3-7 fl. oz. per acre

For control of susceptible weeds and certain woody plants on non-cropland areas.

Mojave 70 EG

Active Ingredient: Diuron, Imazapyr

Manufacturer: Alligare

Unit Purchase: 5 lb.

Units per Case: 10 x 5 lb. (24 CS)

Rate: 10 lb./acre

Non-selective pre-emergence and early post-emergence residual herbicide for non-cropland areas. Controls annual and perennial broadleaf weeds and grasses plus woody plants.

Oust Extra

Active Ingredient: Metsulfuron, Sulfometuron

Manufacturer: DuPont

Unit Purchase: 4 lb.

Units per Case: 4 lb. (8 JG)

Rate: Check label

Controls many annual and perennial grasses and broadleaf weeds in conifer plantations and non-crop areas.

Oust XP

Active Ingredient: Sulfometuron Methyl

Manufacturer: DuPont

Unit Purchase: 3 lb.

Units per Case: 8 x 3 lb. (18 CS)

Rate: Use 1 oz. per acre

Preemergence and postemergence herbicide for roadsides, right-of-ways and many other non-cropland areas. Controls many annual and perennial broadleaf weeds and grasses.

Overdrive

Active Ingredient: Dicamba, Diflufenzopyr

Manufacturer: BASF

Unit Purchase: 7.5 lb.

Units per Case: 4 x 7.5 lb. (20 CS)

Rate: 4 oz. to 8 oz. per acre

For broadleaf weed control on no-cropland sites, CRP lands, pasture, hay and rangeland.

Pathfinder II RTU

Active Ingredient: Triclopyr

Manufacturer: Corteva AgriScience

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (36 CS)

Rate: Wet stump or brush to point just before run-off

Ready-to-use herbicide for control of woody plants on forests, non-crop areas, industrial sites, rights-of-way, non-irrigation ditch banks.

INDUSTRIAL, BACKGROUND & RIGHT-OF-WAY

Pathway RTU

Active Ingredient: Triclopyr
Manufacturer: Corteva AgriScience
Unit Purchase: 2.5 gal.
Units per Case: 2 x 2.5 gal. (36 CS)
Rate: Wet stump or brush to point just before run-off

For controlling unwanted trees via cut surface treatments in forests and non-cropland areas such as fence rows, roadsides, and rights-of-way.

Perspective

Active Ingredient: aminocycloprachlor, chlorsulfuron
Manufacturer: Bayer ES
Unit Purchase: 1.25 lb. and 5 lb.
Units per Case: 12 x 1.25 lb. (36); and 8 x 5 lb. (18)
Rate: 1.75 oz. to 11 oz. per acre

Pre-emergence and/or post-emergence control of broadleaf weeds in non-crop areas such as uncultivated non-agricultural areas, airports, highway, railroad utility right of ways and natural areas such as wildlife management areas, wildlife openings and wildlife habitats.

Pramitol 25E

Active Ingredient: Prometon
Manufacturer: Control Solutions
Unit Purchase: 1 gal.; 2.5 gal.; 30 gal.
Units per Case: 4 x 1 gal. (36 CS), 2 x 2.5 gal. (36 CS), 30 gal. (5 DR)
Rate: 5 to 10 gal. in 50 to 100 gal. of water per acre

Non-selective preemergence and early postemergence bareground herbicide for non-cropland areas. Controls annual and perennial grasses and broadleaf weeds.

Pramitol 5 PS

Active Ingredient: Prometon
Manufacturer: Control Solutions
Unit Purchase: 25 lb.
Units per Case: 25 lb. (80 BG)
Rate: Use 150 to 200 lb. per acre

Non-selective pre-emergence and early post-emergence residual herbicide for non-cropland areas. Controls annual and perennial grasses and broadleaf weeds.

Roundup QuikPRO SC Total

Active Ingredient: Indaziflam, Diquat, Glyphosate
Manufacturer: Bayer CropScience LP
Unit Purchase: 2.5 gal; 144 oz.
Units per Case: 2 x 2.5 gal.; 4 x 144 oz.
Rate: 16 oz. / 1 gal. water

Non-selective control of emerged and pre-emerged grasses and broadleaf weeds in non-crop areas including paths, parking lots, curbs, sidewalks, driveways, around buildings, gravel areas, loading ramps, educational facilities, storage yards, vacant lots, fence rows, parks, hardscapes (including crack and crevice), municipal, mulched areas, landscape ornamental beds and government sites.

Spike 20P

Active Ingredient: Tebuthiuron
Manufacturer: Corteva AgriScience
Unit Purchase: 5 lb.
Units per Case: 6 x 5 lb. (30 CS)
Rate: Use 0.25 oz. of pellets per 1" to 2" of stem diameter

Pelleted herbicide for brush and woody plant control in pastures, rangeland, right-of-ways and non-cropland. Controls oaks, sumacs, elms, maples, hickory and many other woody plants.

Stalker

Active Ingredient: Imazapyr
Manufacturer: BASF
Unit Purchase: 1 qt.
Units per Case: 4 x 1 qt.
Rate: 8 oz. to 16 oz. in 1 gal. of water

For control of brush in non-cropland areas such as railroad, utility, highway, and pipeline right-of-way plant sites, and fence rows.

Telar DF, Telar XP

Active Ingredient: Chlorsulfuron
Manufacturer: DuPont
Unit Purchase: 16 oz.
Units per Case: 8 x 16 oz. BTL
Rate: 0.25 oz. to 3 oz. per acre

For control of annual, biennial, and perennial broadleaf weeds on non-crop, industrial sites such as airports, fence rows, roadsides and associated rights-of-way.

INDUSTRIAL, BACKGROUND & RIGHT-OF-WAY

Tordon RTU

Active Ingredient: 2,4-D Amine, Picloram

Manufacturer: Corteva AgriScience

Unit Purchase: 1 qt.

Units per Case: 12 x 1 qt. BTL

Rate: Use undiluted on freshly cut stumps

Ready to use herbicide for cut applications of brush and trees. Controls trees and brush in forests, fence rows, roadsides, right-of-ways and other non-cropland areas.

Transline

Active Ingredient: Clopyralid

Manufacturer: Corteva AgriScience

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (36 CS)

Rate: 0.25 oz. to 1.3 oz. per acre

For selective control of broadleaf weeds in non-cropland areas, industrial manufacturing and storage sites, rights-of-way, and wildlife openings, including grazed areas on these sites, tree plantations and rangeland and permanent grass pastures.

Viewpoint

Active Ingredient: Aminocyclopyrachlor, Imazapyr, Metsulfuron

Manufacturer: Bayer ES

Unit Purchase: 5 lb.

Units per Case: 8 x 5 lb. (18 CS)

Rate: 13 oz. to 20 oz. per acre

Pre-emergence and/or post-emergence control of broadleaf weeds in non-crop areas such as uncultivated non-agricultural areas, airports, highway, railroad utility right of ways and natural areas such as wildlife management areas, wildlife openings and wildlife habitats.

ADJUVANTS/SURFACTANTS/COLORANTS

Border 2.0

Active Ingredient: Surfactant

Manufacturer: Precision

Unit Purchase: 1 qt. and 2.5 gal.

Units per Case: 12/1 qt.; 2/2.5 gal.

Rate: 2.0 to 4.0 pts./100 gal.

Concentrated liquid adjuvant for spray droplet management that improves droplet retention while reducing off-target movement.

Cascade Plus

Active Ingredient: Surfactant

Manufacturer: Precision

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (48 CS)

Rate: 4 to 8 oz. per 1000 sq. ft.

A combination of non-ionic surfactants that hydrate the soil and penetrate to provide deeper, more uniform water infiltration.

Cascade Plus 16G

Active Ingredient: Surfactant

Manufacturer: Precision

Unit Purchase: 42 lb. (50 BG)

Units per Case: 42 lb.

Rate: 3.5 to 7 lb. per 1000 sq. ft.

A combination of non-ionic surfactants that hydrate the soil and penetrate to provide deeper, more uniform water infiltration.

Chem-Stik

Active Ingredient: Surfactant

Manufacturer: Precision

Unit Purchase: 1 gal. (48 CS); 20 gal.

Units per Case: 4 x 1 gal.

Rate: 4.0 to 8.0 oz per 100 gal.

Non-ionic spreader sticker.

Delux

Active Ingredient: Surfactant

Manufacturer: Precision

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (24 CS)

Rate: 4.0 to 5.0 pts. per 100 gal. with phenoxies; 5.0 to 10.0qts. per 100 gal. with Manage or glyphosate in 10 to 15 gal. per acre.

Biodegradable activator surfactant and ammonium sulfate premix.

DRI spreader-sticker

Active Ingredient: Surfactant

Manufacturer: KALO

Unit Purchase: 1 oz. bag

Units per Case: 4/50 x 1 oz. box (24 CS)

Rate: 1 oz. per 2 gal. of spray mix

Dry, water-soluble powder for use with any herbicide or pesticide specifying use of non-ionic surfactant.

EZ Tab Applicator

Manufacturer: Precision

Unit Purchase: 1

Units per Case: Each (10 EA)

Rate: N/A

Applicator designed to deliver EZ Tabs to the needed areas.

EZ Tabs

Manufacturer: Precision

Unit Purchase: Case

Units per Case: 24 x 6 oz.

Rate: 6 oz. per 2500 sq. ft.

An easy-to-use tablet, containing the same active ingredient as Magnus, designed to hydrate the plant root zone and provide a rescue treatment for hot spots.

Knockdown

Active Ingredient: Defoamer

Manufacturer: Precision

Unit Purchase: 1 qt.

Units per Case: 12 per 1 qt. (48 CS)

Rate: See label. Varies with disease and

turf species. 2.0 to 10.0 lb./1000 sq. ft. range

Foam suppressant.

Microyl (MSO replacement)

Active Ingredient: Oil, Surfactant

Manufacturer: Precision

Unit Purchase: 1 gal. and 2.5 gal.

Units per Case: 4 x 1 gal.(48 CS); 2 x 2.5 gal. (48 CS)

Rate: 3.0 to 4.0 pts per 100 gal.

Activator adjuvant provides superior performance and improved turfgrass safety at lower-use rates than ordinary crop oil.

ADJUVANTS/SURFACTANTS/COLORANTS

New Balance

Active Ingredient: Buffer, Surfactant

Manufacturer: Precision

Unit Purchase: 1 gal.

Units per Case: 4 x 1 gal. (48 CS)

Rate: Check label.

Citric-based, pH acidifier, buffer and nonionic surfactant.

Nu Film IR

Active Ingredient: Buffer, Surfactant

Manufacturer: Red River Specialities

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (36 CS)

Rate: 8 oz. to 16 oz. per 100 gal. water

Non-ionic sticker-spreader for use only with herbicides designed for application on Rights-of-way, non-crop areas, ditch banks, industrial sites and in forestry programs.

Penn-A Trate II

Active Ingredient: Surfactant

Manufacturer: Precision

Unit Purchase: 1 gal.

Units per Case: 4 x 1 gal. (44)

Rate: 0.125 to 0.5% v/v or 1.0 to 4.0 pts.
per 100 gal.

Low-foaming, nonionic surfactant.

Play-Off

Active Ingredient: Wintergreen Fragrance

Manufacturer: EXACTO

Unit Purchase: 1 qt.

Units per Case: 12 x 1 qt. (60 CS)

Rate: See label. Varies with disease and turf species.
5.0 to 24 oz/1000 sq. ft. range

Wintergreen scent and masking agent.

Precise Lawn

Active Ingredient: Soil Penetration

Manufacturer: Precision

Unit Purchase: 25 lb.

Units per Case: 25 lb. (80 BG)

Rate: 5 lb. per 1000 sq. ft.

Maximizes the flow of water into the soil and increases retention of water in soil pore spaces around plant roots.

Regreen

Active Ingredient: Colorant

Manufacturer: Precision

Unit Purchase: 2.5 gal.

Units per Case: 2/2.5 gal. (48 CS)

Rate: Dormant Turf: 12.0 + 84 to 108 oz. of water/1000 sq. ft. or 4 gals + 31 to 35 gallons of water/acre;
Non-Dormant Turf: 0.5 pt. + 7.5 to 10 pts. of water/1000 sq. ft. or 2.75 gals + 40 to 54 gallons of water/acre

Non-phytotoxic colorant that imparts long-lasting, natural color to dormant and non-dormant turf.

ADJUVANTS/SURFACTANTS/COLORANTS

Runway

Active Ingredient: Foam Marker

Manufacturer: Precision

Unit Purchase: 1 qt.

Units per Case: 12 x 1 qt. (50 CS)

Rate: 3.0 oz./2 gallons

Quick dissipating turf foam marker.

Signal

Active Ingredient: Colorant

Manufacturer: Precision

Unit Purchase: 1 gal.

Units per Case: 4 x 1 gal. (48 CS)

Rate: 1.0 qt. per 100 gallons

Highly visible blue spray pattern indicator.

Signal Blue EZ Solupak

Active Ingredient: Colorant

Manufacturer: Precision

Unit Purchase: 2 oz.

Units per Case: 48 x 2 oz. (60 CS)

Rate: 1.0 pack per 50 gallons

Highly visible blue spray pattern indicator.

Signal Green EZ Solupak

Active Ingredient: Colorant

Manufacturer: Precision

Unit Purchase: 2 oz.

Units per Case: 48 x 2 oz.

Rate: 1.0 pack per 50 gallons

Highly visible blue spray pattern indicator.

Speed

Active Ingredient: Surfactant

Manufacturer: Precision

Unit Purchase: 1 gal.

Units per Case: 4 x 1 gal. (48)

Rate: Follow pesticide label.

If no recommendations, use

6.0 to 13.0 oz. per 100 gal.

Low-foaming, low-use rate, nonionic siloxane surfactant.

Super Signal Blue

Active Ingredient: Colorant

Manufacturer: Precision

Unit Purchase: 1 qt.

Units per Case: 12 x 1 qt. (50 CS); 2 x 2.5 gal. (48 CS); 30 gal.

Rate: 16.0 to 32.0 oz. per 100 gal.

Concentrated blue spray pattern indicator.

Super Signal Green

Active Ingredient: Colorant

Manufacturer: Precision

Unit Purchase: 1 qt.

Units per Case: 12 x 1 qt. (50 CS)

Rate: 16.0 to 32.0 oz. per 100 gal.

Concentrated green spray pattern indicator.

SYNC

Active Ingredient: Surfactant

Manufacturer: Precision

Unit Purchase: 1 pt.

Units per Case: 12 x 1 pt. (64 CS)

Rate: 1 pt. per 100 gal. of spray solution

Proprietary adjuvant that enhances performance of contact and systemic fungicides.

Transport Ultra

Active Ingredient: Surfactant; AMS

Manufacturer: Precision

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (48 CS)

Rate: 1.0 to 2.0 qts. per 100 gal.

Combination of nonionic surfactant, water conditioning agents and ammonium ions that replaces the need for ammonium sulfate.

SPECIALITY PRODUCTS

GROWTH REGULATOR

Anuew

Active Ingredient: PGR

Manufacturer: NuFarm

Unit Purchase: 1.5 lb.

Units per Case: 4(4 x 1.5 lb.) (18 CS)

Rate: Consult label for turf species

Plant Growth regulator for cool and warm season turf. Extended re-application interval.

NUTRITIONAL/BIOSTIMULANT

Dynaphite 0-28-26

Active Ingredient: P, K

Manufacturer: Drexel

Unit Purchase: 275 GL Tote

Units per Case: 275 GL Tote

Rate: See Label

Liquid fertilizer designed for correcting Phosphorus and Potassium deficiencies in turgrasses and ornamentals.

FeRRROMEAC AC

Active Ingredient: N, Fe, S

Manufacturer: PBI Gordon

Unit Purchase: 2.5 gal. and 55 gal.

Units per Case: 2 x 2.5 gal. (36 CS); 55 gal.

Rate: 2 to 8 oz./1000 sq. ft.

An amine compatible iron formulation containing nitrogen and sulfur designed to produce rapid turf green-up.

FERROMEAC MICROS

Active Ingredient: N, P, K, B, Fe, Mg, Mn, S, Zn

Manufacturer: PBI/Gordon

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal. (36 CS)

Rate: 1-2 fl. oz/ 1000 sq ft.

A chelated iron formulation plus many important macro and micronutrients.

FlexN 28-0-0

Active Ingredient: Nitrogen

Manufacturer: GROWMARK

Unit Purchase: 2.5 gal.; 275 gal.

Units per Case: 2 x 2.5 gal. (36 CS); 275 gal.

Rate: Check label

Foliar slow-release, liquid fertilizer designed to be available when the plants are ready to use it. FlexN dispenses a consistent source of nitrogen at gradual rates, to provide maximum N uptake and utilization.

Certify™ 1-1-1

Manufacturer: Vivid Life Sciences

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal.

Rate: Check label

Lifeforce™ 1-1-1 is intended for use as a foliar application to enhance turf health and mitigate turf stress. Contains a full spectrum of macro and micronutrients. Contains both humic and fulvic acids for enhanced root development and plant growth. Also contains over 20 different Amino Acids. Foliar applications show immediate results. Can be applied throughout the growing cycle. There are zero application restrictions. OMRI certified formulation.

Sprint 330 10%Fe

Active Ingredient: Fe

Manufacturer: BASF

Unit Purchase: 5 lb.

Units per Case: 6 x 5 lb. (30 CS)

Rate: Check label

Iron chelate micronutrient

Vigeo™

Active Ingredient: PGR

Manufacturer: Vivid Life Sciences

Unit Purchase:

Units per Case:

Rate: Check label

A 3-in-1 tool to fight stress and drive lush growth in turf, ornamental and sod. Improves germination, emergence, root growth, seedling development, sod establishment, tillering and lateral growth. Unique balance of three growth-stimulating plant hormones mitigates short-term stress and supports faster turf recovery from stress events. Vigeo™ works best when tank-mixed with fertilizers or used around soil or foliar fertilizer applications.

SPECIALTY

AquaLock

Manufacturer: Precision
Unit Purchase: 2.5 gal.
Units per Case: 2 x 2.5 gal.
Turf Rate: 2-8 oz. in 1-2 gal/1000 sq. ft.;
Ornamentals
Rate: 4-8 oz. in 1 gal of water

Anti-transparent designed to protect plants against drought, extreme temperatures, wind and sunscald.

Deadline Ornamental - Mini-Pellets

Active Ingredient: Metaldehyde
Manufacturer: AMVAC
Unit Purchase: 50 lb.
Units per Case: 50 lb. (40)
Rate: 0.25 lb. / 1000 sq.ft.

Used as a slug and snail barrier around gardens or individual plants.
Outdoor use only.

Hinder

Active Ingredient: Ammonium Soap of Fatty Acid
Manufacturer: Amvac
Unit Purchase: 1 gal.
Units per Case: 4 x 1 gal. (36 CS)
Rate: See label. Varies with animal target and plant.

Protects plants by forming a mild odor barrier that is in-offensive to humans. For use on vegetable, fruit, flower, vine, nursery plants and shrubs.

Talpirid Mole Bait

Manufacturer: Bell Labs
Unit Purchase: 20 worms
Units per Case: 20 worms per box (5 BX)
Rate: Check label.

Talpirid's size, shape, and feel of bait lets moles consume it in the same manner as its primary food source, the earthworm. Special enhancers ensure immediate attraction and excellent product appearance.

Transfilm

Active Ingredient: Oxidized Polyethylene, Polymeric Terpenes
Manufacturer: PBI/Gordon
Unit Purchase: 1 gal.
Units per Case: 4 x 1 gal. (48 CS)
Rate: Check label

Provides the best protection available for winter desiccation, windburn, sun-scald and salt air damage.



BIOLOGICALS/SLUDGE CONTROL

Aqua-Prep

Active Ingredient: Biological

Manufacturer: SePRO

Unit Purchase: 2.5 gal.

Units per Case: 2 x 2.5 gal.

Rate: Use 0.5 gal. per acre foot

A specific blend of high-quality enzymes with non-ionic surfactants designed to increase the efficiency of naturally occurring microorganisms in reducing organic pond sediment ("muck").

Bacti-Klear

Active Ingredient: Biological

Manufacturer: SePRO

Unit Purchase: 1 gal.

Units per Case: 4 x 1 gal. (48 CS)

Rate: 20 lb. per surface acre or 3 gal. per acre foot

Naturally occurring sludge-digesting bacteria designed to decrease levels of organic sediment on lakes and ponds while reducing odors and improving water clarity.

Bacti-Klear Pellets

Active Ingredient: Biological

Manufacturer: SePRO

Unit Purchase: Case

Units per Case: 4 x 10 lb. (50 CS)

Rate: Start 20-30 lb. per surface acre then 10-15 lb. monthly

Aquatic microbial blend decreases levels of organic matter to improve clarity and reduce odors. Ideal for bottom muck.

Devour

Active Ingredient: Biological

Manufacturer: Precision

Unit Purchase: 8 oz.

Units per Case: 24 x 8 oz. (60 CS)

Rate: Initial: 3.0 to 6.0 lb. per acre

Maintenance: 1.5 to 2.0 lb. per acre

Proprietary blend of enzymes, facultative and nonfacultative bacteria accelerates breakdown of partially decomposed organic matter.

Precise Pond

Active Ingredient: Biological

Manufacturer: Precision

Unit Purchase: case

Units per Case: 24 x 8 oz. (60 CS); 60 x 8 oz. (36 CS)

Rate: Initial: 3-6 lb. per surface acre

Maintenance: 1.5 to 2.0 lb. per surface acre

Precise Pond™ is a combination of enzymes and bacteria that preemptively digest phosphorus and nitrogen in the water column.

Spectrum

Active Ingredient: Biological

Manufacturer: Precision

Unit Purchase: 8 oz.

Units per Case: 24 x 8 oz. (60 CS); 120 x 8 oz.

Rate: Initial: 3.0 to 6.0 lb. per acre

Maintenance: 1.5 to 2.0 lb. acre

Function specific formulation of select bacteria strains which improves water quality by reducing nutrient levels and suspended organic matter in the water.

HERBICIDES/ALGAECIDES

Aquashade

Active Ingredient: Dye

Manufacturer: SePRO

Unit Purchase: 1 gal.; 2.5 gal.

Units per Case: 4 x 1 gal. (42 CS); 2 x 2.5 gal. (36 CS)

Rate: 1 to 2 qts. per acre foot

Inhibits growth of algae and submerged aquatic weeds in non-flowing lakes, ponds and fountains. A water colorant dye that blocks sunlight. Safe for the environment.

Aquashadow WSP

Active Ingredient: Dye

Manufacturer: SePRO

Unit Purchase: Case

Units per Case: 4 (6 x 4.3 oz) (45 CS)

Rate: 7.5 oz. per acre foot

Blue or black dye in water soluble bags. Limits sunlight that submerged weeds and algae need to grow.

Aquasweep

Active Ingredient: 2,4-D Amine, Triclopyr

Manufacturer: Nufarm

Unit Purchase: 30 gal.

Units per Case: 30 gal. (5 DR)

Rate: Check label

For control of emergent, floating and submerged aquatic weeds in the following sites: ponds, ditches, seasonal irrigation canals and ditches which have little or no continuous outflow and impounded rivers and streams that are quiescent or slow moving.

Aquathol Super K

Active Ingredient: Endothal

Manufacturer: UPI

Unit Purchase: 10 lb. or 20 lb. BG

Units per Case: 4/10 lb (24 CS) or 2/20 lb (18 CS)

Rate: 1.5 to 5.0 parts per million

Dry granules containing 63% of dipotassium salt of endothal.

Aquathol is effective against a broad range of aquatic plants with a wide margin of safety to fish.

Clearigate (Applicator Only)

Active Ingredient: Copper
Manufacturer: SePRO
Unit Purchase: 5 gal. (36 PAILS)
Units per Case: Pail
Rate: Check label

A chelated copper formulation containing an emulsified surfactant/penetrant for highly effective control of algae and vegetation.

Copper Sulfate

Active Ingredient: Copper
Manufacturer: Various
Unit: 6 x 5 lb. (25 CS); 50 lb.
Rate: 10.8 lb. per surface acre

For algae control in lakes, ponds, and along lake margins. Also effective for moss and algae control in lawns and greenhouses.

Citrine Granular

Active Ingredient: Copper
Manufacturer: SePRO
Unit Purchase: 30 lb. (60 BG); 4 x 12 lb.
Units per Case: Each
Rate: 20-60 lb. per surface area per height of plant growth

Citrine is a clean, dry granular algaecide that sinks rapidly in water to the bottom and when scattered evenly over the affected area is especially effective against Chara, Nitella and other bottom growing algae.

Citrine Plus

Active Ingredient: Copper
Manufacturer: SePRO
Unit Purchase: 1 gal.; 2.5 gal.
Units per Case: 4 x 1 gal. (42 CS);
 2 x 2.5 gal. (36 CS)
Rate: 0.6 to 3.0 gal. per acre foot of water

Citrine Plus is a liquid formulation that provides effective control of a broad range of algae. The triethanolamine in Citrine Plus prevents precipitation of copper with carbonates or bicarbonates in water.

Citrine Ultra (Applicator Only)

Active Ingredient: Copper
Manufacturer: SePRO
Unit Purchase: 2.5 gal.
Units per Case: 2 x 2.5 gal. (36 CS)
Rate: 0.6 to 3.0 gal. per acre foot

Citrine Ultra is algaecide with an emulsified surfactant, which controls existing algae and some underwater rooted plants.

Harpoon Granular

Active Ingredient: Copper - Ethylenediamine Complex
Manufacturer: SePRO
Unit Purchase: 40 lb.
Units per Case: 40 lb. (50 BG)
Rate: .50-1.0 ppm Copper /40-80 pounds per foot of plant growth / Check Label

Chelated copper formulation that effectively control Hydrilla, Egria, Niads, Coontail Elodea, and Water lettuce and other species having a sensitivity to copper absorption.

Harpoon Liquid

Active Ingredient: Copper - Ethylenediamine Complex
Manufacturer: SePRO
Unit Purchase: 2.5 gal.
Units per Case: 2 x 2.5 gal. (36 CS)
Rate: .5-1.0 ppm Copper / 1.7-3.3 gallons per acre foot of water / Check Label

Chelated copper formulation that effectively control Hydrilla, Egria, Niads, Coontail Elodea, and Water lettuce and other species having a sensitivity to copper absorption.

Hydrothol 191 Granular

Active Ingredient: Endothall
Manufacturer: UPI
Unit Purchase: 20 lb.
Units per Case: 2 x 20 lb. (24 CS)
Rate: Various; check label

Highly effective contact algaecide and aquatic herbicide for use in irrigation and drainage canals, lakes and ponds.

Navigate

Active Ingredient: 2,4-D
Manufacturer: SePRO
Unit Purchase: 50 lb. bag (40 BG)
Units per Case: Each
Rate: Check Label

Effective on many rooted pond weeds. Contains 2, 4-D formulated on heat treated clay granules that resist decomposition in water. Aqua-Kleen sinks rapidly to lake or pond bottoms and releases weed killing compound in the critical root zone area.

Navitrol Liquid

Active Ingredient: Triclopyr
Manufacturer: SePRO
Unit Purchase: 1 gal., 2.5 gal.
Units per Case: 4 x 1 gal. (42 CS); 2 x 2.5 (36 CS)
Rate: .75-2.5 ppm / 0.7-2.3 gallons per surface area / Check Label

Aquatic herbicide for control of immersed, submersed, and floating aquatic weeds.

AQUATICS

Phycomycin SCP

Active Ingredient: Sodium Carbonate Peroxyhydrate

Manufacturer: SePRO

Unit Purchase: 50 lb.

Units per Case: 50 lb. (40 BG)

Rate: 3 to 100 lb. per acre foot

85% active concentrated form of Sodium Carbonate Peroxyhydrate, used to control Blue-Green Algae.

Pond-Klear

Active Ingredient: Flumioxazin

Manufacturer: SePRO

Unit Purchase: 16 oz.

Units per Case: 6 x 16 oz.

Rate: See label for details.

This product is a fast acting contact herbicide for use in: Quiescent or slow-moving bodies of water, still waters, canals, drainage ditches, lakes, reservoirs, marshes, farm, fire, fish, golf course, industrial, irrigation, stormwater retention and wastewater ponds. This product controls selected submersed, emergent and floating aquatic weeds. It is most effective when applied to young, actively growing weeds in water with a pH of less than 8.5. Waters treated with this product may be used for swimming, fishing, animal consumption or further potable water treatment.

Reward

Active Ingredient: Diquat

Manufacturer: SePRO

Unit Purchase: 1 gal.

Units per Case: 4 x 1 gal.

Rate: See label for details.

Reward Landscape and Aquatic Herbicide is a nonvolatile herbicidal chemical for use as a general herbicide to control weeds in commercial greenhouses and nurseries; ornamental seed crops (flowers, bulbs, etc. - except in the state of California); landscape, industrial, recreational, commercial, residential and public areas; turf renovation (all turf areas except commercial sod farms); dormant established turfgrass (bermudagrass, zoysiagrass - nonfood or feed crop); and aquatic areas.

Roundup® Custom (Glyphosate 53.8%)

Active Ingredient: Glyphosate

Manufacturer: Bayer

Unit Purchase: 2.5 gal. and 30 gal.

Units per Case: 2 x 2.5 gal.; 30 gal.

Rate: Check Label

Aquatic herbicide containing glyphosate. This product mixed with water and non-ionic surfactant may be applied as a foliar spray for control of many herbaceous plants. Great on cattails.

Roundup QuikPRO SC

Active Ingredient: Indaziflam, Diquat, Glyphosate

Manufacturer: Bayer CropScience LP

Unit Purchase: 2.5 gal; 144 oz.

Units per Case: 2 x 2.5 gal.; 4 x 144 oz.

Rate: 16 oz. / 1 gal. water

Non-selective control of emerged and pre-emerged grasses and broadleaf weeds in non-crop areas including paths, parking lots, curbs, sidewalks, driveways, around buildings, gravel areas, loading ramps, educational facilities, storage yards, vacant lots, fence rows, parks, hardscapes (including crack and crevice), municipal, mulched areas, landscape ornamental beds and government sites.

Sonar AS

Active Ingredient: Fluridone

Manufacturer: SePRO

Unit Purchase: 1 pt.; 1 qt.; 1 gal.

Units per Case: 6 x 1 pt.; 6 x 1 qt.; 4 x 1 gal. (24 CS)

Rate: 0.5 to 2 qts. per acre

Broad-spectrum aquatic herbicide. Excellent control of duck weed and pond weed. Very effective and safe to use.

Sonar Genesis

Active Ingredient: Fluridone

Manufacturer: SePRO

Unit Purchase: 1 gal.

Units per Case: 4 x 1 gal.

Rate: See label for details

Sonar Genesis is a selective systemic aquatic herbicide for management of freshwater aquatic vegetation in ponds, lakes, reservoirs, drainage canals and irrigation canals, including dry or de-watered areas of these sites. It is designed to be an easier to use formulation that lasts longer in the water and provides a faster knockdown on many floating and emergent weed species. This convenient 1/2 lb. formulation contains 6.3% active Fluridone and provides a lower cost per gallon product improving operations for applicators.

Sonar One

Active Ingredient: Fluridone

Manufacturer: SePRO

Unit Purchase: 20 lb.

Units per Case:

Rate: See label for details

Sonar One's pellet formulation (a.i. fluridone) delivers an effective dose to targeted aquatic plants within the first day, while providing a longer-lasting residual than Sonar A.S. The easy-to-apply pellet formulation eliminates overspray onto sensitive shoreline vegetation, making it ideal for landscapes with highly maintained vegetation, including golf courses.

Sonar PR

Active Ingredient: Fluridone

Manufacturer: SePRO

Unit Purchase: 1 gal.

Units per Case: 4 x 5 lb.

Rate: Check label

A herbicide for management of aquatic vegetation in fresh water ponds, lakes, reservoirs, potable water sources, drainage canals, irrigation canals and rivers.

Sonar Q (quick release)

Active Ingredient: Fluridone

Manufacturer: SePRO

Unit Purchase: 8 lb. pail

Units per Case: 4 x 8 lb. (24 PL)

Rate: Check label

Broad-spectrum aquatic herbicide. Excellent control of duck weed and pond weed. Very effective and safe to use.

Sonar RTU

Active Ingredient: Fluridone
Manufacturer: SePRO
Unit Purchase: 1 qt.
Units per Case: 4 x 1 qt. (48 CS)
Rate: Check label

Broad-spectrum aquatic herbicide. Excellent control of duck weed and pond weed. Very effective and safe to use.

Weedtrine-D

Active Ingredient: 2, 4-D
Manufacturer: SePRO
Unit Purchase: 1 gal.
Units per Case: 4 x 1 gal. (42 CS)
Rate: Use 5 gal. in 100 gal. of water and spray to wet

A liquid aquatic herbicide that effectively controls a broad range of underwater, floating and emergent aquatic weeds. Kills quickly on contact. Ideal for small area treatments.

LAKE & POND DYES

Aquashadow Black Pak

Active Ingredient: Dye
Manufacturer: SePRO
Unit Purchase: 6 x 4.3 oz pouch pail
Units per Case: 4 pails per case
Rate: 1 pouch per acre-foot

Concentrated black dye formulation packaged in convenient pouch. Water soluble pouch can be used in lakes, ponds, decorative features and other impounded bodies of water with limited outflow.

Aquashadow Blue Pak

Active Ingredient: Dye
Manufacturer: SePRO
Unit Purchase: 6 x 4.3 oz pouch pail
Units per Case: 4 pails per case
Rate: 1 pouch per acre-foot

Concentrated blue dye formulation packaged in convenient pouch. Water soluble pouch can be used in lakes, ponds, decorative features and other impounded bodies of water with limited outflow.

Aquatic Blue

Active Ingredient: Dye
Manufacturer: SePRO
Unit Purchase: 1 gal.
Units per Case: 4 x 1 gal. (42 CS)
Rate: 1 gal. per acre, 4 ft. deep

Water soluble dye designed for use in lakes, ponds, decorative water features and other impounded bodies of water.

Jet Black EZ SoluPak

Active Ingredient: Dye
Manufacturer: Precision
Unit Purchase: 5.25 oz.
Units per Case: 24 x 5.25 oz. (60 CS)
Rate: 1 pak per acre-foot or 325,000 gal.

Proprietary blend of environmentally friendly, non-ionic dyes, that reduce sunlight penetration and imparts a natural black, reflective color.

SureGuard SC

Active Ingredient: Flumioxazin
Manufacturer: NuFarm
Unit Purchase: 1 pt.
Units per Case: 8 x 1 pt. (144 QT)
Rate: 8.0 to 12.0 fl. oz. / acre

Pre-emergent and post-emergent weed control in a convenient formulation for aquatics, bareground, commercial and residential landscapes, tree wells, gravel areas, driveways and other similar sites.

True Blue

Active Ingredient: Dye
Manufacturer: Precision
Unit Purchase: 1 gal.
Units per Case: 4 x 1 gal. (44 CS)
Rate: 1.0 qt. per acre-foot

Proprietary blend of environmentally friendly, non-toxic dyes, that reduce sunlight penetration and imparts a natural blue water color.

True Blue EZ Solution Pak

Active Ingredient: Dye
Manufacturer: Precision
Unit Purchase: 5.25 oz. (60 cs)
Units per Case: 24 x 5.25 oz.
Rate: 1.0 pak per acre-foot or 325,000 gallons

Proprietary blend of environmentally friendly, non-toxic dyes that reduce sunlight penetration and imparts a natural blue water color.

MISCELLANEOUS

Aluminum Sulfate

Active Ingredient: Aluminum Sulfate
Manufacturer: Various
Unit Purchase: 50 lb. (42 BG)
Units per Case: Each
Rate: 100-160 lb. per A. ft.

An aid to help clear turbid or muddy water, caused by suspended silt or clay particles.

Bentonite Clay

Active Ingredient: Bentonite Clay
Manufacturer: Bentonite Corp.
Unit Purchase: 50 lb. (48 BG)
Units per Case: Each
Rate: 2-4 lb. per sq. ft.

Stops seepage. Bentonite is a form of clay that swells 12 to 15 times its dry size when wetted. It fills tiny voids through which water may seep. It may be used on dry surfaces to be flooded later or on existing ponds by scattering it over the surface. Not recommended for use over limestone bedrock.

Cide-Kick II

Active Ingredient: Nonionic Surfactant
Manufacturer: Various
Unit Purchase: 1 qt. or 1 gal.
Units per Case: 12 x 1 qt. (56 CS) or 4 x 1 (36 CS)
Rate: 0.5 to 5.0 tbsp per gal. of spray solution

A non-ionic wetting agent and activator, especially for aquatics.


ICE MELTER PRODUCTS

ICE MELTER PRODUCTS

Product/Use Grade	Unit Size	Source/Composition
Clean Urea	50 lb.	Urea (Carbimide)
Dowflake	50 lb.	Calcium chloride (flakes)
Eco Melt	50 lb.	Sodium, calcium, magnesium chlorides
Ice No Mor	50 lb.	Sodium/Calcium/Magnesium with AMC
Halite/Ice-a-way	50 lb.	Sodium Chloride
Hammer	50 lb.	Sodium Chloride with Propel & Fusion
Lightning Fast	50 lb.	Sodium/Calcium/Magnesium with AMC
Peladow	50 lb.	Calcium chloride (pellets)
Power Thaw	50 lb.	Sodium/Calcium/Magnesium with AMC
Select Liquid	2.5 gal./5 gal./55 gal.	Potassium Acetate
Thaw Master	50 lb.	Sodium/Calcium/Magnesium with AMC
Titan	50 lb.	Sodium chloride with Propel
Triple Melt	50 lb.	Sodium calcium, magnesium chloride
Industrial Strength	50 lb.	Calcium/Magnesium/Sodium
Greenscapes	50 lb.	Sodium/magnesium

ICE MELTERS PRACTICAL MELTING TEMPERATURES

Product	Temperature	Use Rates
Urea	+ 15° F	1/2 cup per sq. yard
Sodium Chloride (Rock Salt/Halite)	+ 10° F	1/2 cup per sq. yard
Titan	+ 10° F	1/2 cup per sq. yard
Eco Melt	- 5° F	1/2 cup per sq. yard
Hammer	- 5° F	1/2 cup per sq. yard
Ice No Mor	- 5° F	1/4 cup per sq. yard
Power Thaw	- 5° F	1/4 cup per sq. yard
Lightening Fast	- 12° F	1/4 cup per sq. yard
Triple Melt	- 15° F	1/4-1/2 cup per sq. yard
Thaw Master	- 20° F	1/4 cup per sq. yard
Magnesium Chloride	+ 22° F	1/4 cup per sq. yard
Calcium Chloride (Pellet or Flake)	+ 25° F	1/4 cup per sq. yard



CONVERSION CHART & MEASUREMENT TABLES

Volume, Weight & Distance Measurements

English to Metric

1 gallon = 3.785 liters
1 fluid ounce = 29.57 milliliters
1 pound = 453.6 grams
1 pound = 0.454 kilograms
1 ounce (wt.) = 28.35 grams
1 foot = 0.305 meters
1 acre = 0.405 hectares
(43,560 sq. ft.) (4,052 sq. meters)
1 acre foot = 0.123 hectare-meters
(43,560 sq.ft.)

Metric to English

1 liter = 0.264 gallons
1 milliliter = 0.034 fluid ounce
1 gram = 0.0022 pounds
1 kilogram = 2.20 pounds
1 gram = 0.035 ounce (wt.)
1 meter = 3.28 feet
1 hectare = 2.47 acres
1 hectare- = 8.1 acre feet
meter

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 pound/million gallons

SQUARE MEASURES

1 square foot = 144 square inches
1 square yard = 9 square feet
1 square rod = 272.25 square feet
= 30.25 square yards
1 acre = 43,560 square feet
= 4840 square yards
= 160 square rods
1 square mile = 640 acres

LIQUID MEASURES

1 tablespoon = 3 teaspoons
1 fluid ounce = 2 tablespoons
1 cup = 8 fluid ounces
1 pint = 2 cups
= 16 fluid ounces
1 quart = 2 pints
= 32 fluid ounces
1 gallon = 4 quarts
= 8 pints
= 128 fluid ounces

WEIGHT MEASURES

1 pound = 16 ounces
1 hundred weight = 100 pounds
1 ton = 2000 pounds

CUBIC MEASURES

1 cubic foot = 1728 cubic inches
= 7.48 gallons
1 cubic yard = 27 cubic feet
1 cubic foot of water = 62.5 pounds

APPLICATION RATE CONVERSIONS

1 ounce per square foot = 2722.5 pounds per acre
1 ounce per square yard = 302.5 pounds per acre
1 ounce per 100 square feet = 27.2 pounds per acre
1 pound per 100 square feet = 435.6 pounds per acre
1 pound per 1000 square feet = 43.6 pounds per acre
1 gallon per acre = 1/3 ounce per 1000 square feet
5 gallons per acre = 1 pint per 1000 square feet
100 gallons per acre = 2.5 gallons per 1000 square feet
= 1 quart per 100 square feet
100 pounds per acre = 2.5 pounds per 1000 square feet

Volume & Weight Relationships to Water

1 gallon weight = 8.345 pounds
1 liter weight = 1,000 grams
1 metric ton = 1,000 liters = 1m ³ = 264 gallons
1 cubic foot contains 7.48 gallons
1 acre foot contains 325,829 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

SMALL AREA CONVERSIONS

DRY MATERIALS

Rate/ Acre	Rate/ 1000 sq. ft.	Rate/ 100 sq. ft.
1 lb.	2 1/2 tsps.	1/4 tsp.
3 lb.	2 1/4 tbsps.	3/4 tsp.
4 lb.	3 tbsps.	1 tsp.
5 lb.	4 tbsps.	1 1/4 tsps.
10 lb.	1/2 cup	2 tsps.
100 lb.	2 1/4 lb.	1/4 lb.
200 lb.	4 1/2 lb.	1/2 lb.
300 lb.	6 3/4 lb.	3/4 lb.
400 lb.	9 lb.	1 lb.
500 lb.	11 1/4 lb.	1 1/4 lb.

LIQUID MATERIALS

Rate/ Acre	Rate/ 1000 sq. ft.	Rate/ 100 sq. ft.
1 pt.	3/4 tsp.	1/4 tsp.
1 qt.	1 1/2 tbsps.	1/2 tsp.
1 gallon	6 tbsps.	2 tsps.
25 lb.	4 1/2 pints	1 cup
50 gallons	4 1/2 qts.	1 pint
100 gallons	9 quarts	1 quart
200 gallons	4 1/2 quarts	2 quarts
300 gallons	6 3/4 gallons	3 quarts
400 gallons	9 gallons	1 gallon
500 gallons	11 1/4 gallons	1 1/4 gallons

FINDING THE SURFACE AREA OF A POND:

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

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

IMPORTANT NOTICE

The product information contained herein was correct as of publication date, though is subject to change without notice. The information contained in this handbook is provided as a general guide only. NOT ALL PRODUCTS AND USES REFERENCED IN THIS GUIDE ARE REGISTERED FOR USE IN ALL STATES. PLEASE CONTACT THE MANUFACTURER REPRESENTATIVE TO CONFIRM REGISTRATION IN THE STATE INTENDED FOR USE. Specific product information and directions for use should be obtained by careful study of the manufacturer's label. It is impossible to eliminate all risks inherently associated with use of the products contained in this handbook. Crop or personal injury, ineffectiveness or other unintended consequences may occur due to factors such as weather conditions, presence of other materials or use or application of the product contrary to label instructions, all of which are beyond the control of GROWMARK, Inc. The user shall assume all such risks.

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