

Golf Turf

Product Guide



As a leader in turf and ornamental plant protection, we balance innovation and improvement in efficiency, safety and simplicity to bring you a focused product portfolio that saves time and delivers results.

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Velocity[®] PM

POA MANAGEMENT HERBICIDE

MANAGE POA AT YOUR PACE

Get exceptional, flexible support for your transition program. Remove *Poa annua*, *Poa trivialis* and numerous broadleaf weeds – gradually, selectively and thoroughly. Velocity PM helps you transition a Poa-mixed stand back to purer turf.

NEW 3-YEAR TRANSITION PROGRAM

Velocity PM can effectively remove Poa in one season. But for optimal results, we've perfected a new multi-season program to ensure your turf always looks its best – and stays free of bare spots – throughout the transition.

1
YEAR

Take Control

Repeated applications at lower rates are ideal for a steady decline of Poa while allowing the favored turf species a chance to fill bare spots.

RATE	INTERVAL	APPLICATIONS
.75 fl oz/A	14-21 days	5

2
YEAR

See Results

With visibly less Poa, repeat the same program in the second year, and Poa should be almost undetectable.

RATE	INTERVAL	APPLICATIONS
.75 fl oz/A	14-21 days	5

3
YEAR

Maintain Purer Turf

Now with less than 10% Poa remaining, maintain clean fairways with higher rates and fewer applications.

RATE	INTERVAL	APPLICATIONS
2.25 fl oz/A	14-21 days	2-3

Perfect your Poa-management program at
[NUFARM.COM/USTURF/POA-SOLUTIONS](https://www.nufarm.com/usturf/poa-solutions)

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Advantages

Safe for most cool-season and dormant Bermudagrass (overseeded and non-overseeded)

Suppresses dollar spot

Suppresses seedhead production

Suppresses broadleaf weeds

Can be used before and/or after overseeding

Keys to Success

Stick to the program – intervals and repetition are key

Apply to healthy, actively growing turf

Apply at temperatures 70-90°F

Tank-mixes well with fertilizers, fungicides and PGRs

Do not tank-mix with wetting agents or surfactants

Avoid irrigation or mowing within 4 hours

4-Speed[®] XT

4-Speed[®] XT Selective Herbicide combines 4 tough actives to deliver broader weed control with good tolerance to established grasses. Ideal for spring application, it controls weeds in managed and naturalized areas in as little as 48 hours – even in cool weather. Available as a low odor formulation.

KEY USES

Lawns, parks, cemeteries, athletic fields, golf courses (fairways, aprons, tees, greens, rough), sod farms

KEY WEEDS CONTROLLED

Black medic, buckhorn, chickweed, dandelion, ground ivy, henbit, oxalis, plantain, spurge, thistle, wild violet, white clover
(see label for complete list)

RATE / 1000 SQ FT

1.1 – 1.5 fl oz
(bahiagrass, bluegrass, common bermudagrass, fescue, ryegrass, zoysiagrass)

0.67 fl oz (bentgrass)

EPA REG. NO. 228-590 HRAC NO. 4 & 14

ACTIVE INGR. 2,4-D (2.286 lbs/gal),
triclopyr (0.286 lbs/gal),
dicamba (0.286 lbs/gal),
pyraflufenethyl (0.0055 lbs/gal)

FORMULATION liquid

CHEM. FAMILY phenoxy, pyridine, benzoic acid,
phenylpyrazole

SIGNAL WORD caution

PACKAGE SIZE 2 x 2.5 gal



Allstar[™]

Allstar[™] Herbicide is a knockout combination for grassy weeds, nutsedge and difficult-to-control broadleaf weeds. It's a single all-in-one herbicide that provides consistent control of annual and perennial broadleaf weeds along with sedges and crabgrass.

KEY USES

Established residential and commercial turf sites (including lawns, athletic fields, cemeteries, parks, golf courses and sod farms)

KEY WEEDS CONTROLLED

Yellow nutsedge, crabgrass, dandelion, ground ivy, plantain, clover, spurge, oxalis
(see label for complete list)

RATE / ACRE

8 pts

5 – 7 pts (Bermudagrass
and zoysiagrass)

3 – 5 pts (creeping
bentgrass fairways)

EPA REG. NO. 228-757 HRAC NO. 4 & 14

ACTIVE INGR. 2,4-D (1.00 lb/gal)
quinclorac (0.75 lb/gal)
triclopyr (0.10 lb/gal)
sulfentrazone (0.06 lb/gal)

FORMULATION liquid

CHEM. FAMILY phenoxy, pyridine, quinoline, N-phenyl
triazolinone

SIGNAL WORD warning

PACKAGE SIZE 4 x 64 fl oz, 2 x 2.5 gal, 30 gal



Celero[®]

Celero[®] Herbicide delivers selective, post emergence control of sedges including kyllinga. Celero contains imazosulfuron, a systemic sulfonyleurea (SU) herbicide that translocates down to the roots for superior sedge control. Plus, it's labeled for both broadcast and spot treatment in cool- and warm-season turf.

KEY USES

Established residential and commercial turf sites (including lawns, athletic fields, cemeteries, parks, golf courses)

KEY WEEDS CONTROLLED

SEDGES: Nutsedge (purple, yellow), sedge (annual, cylindrical) kyllingas (false green and others)
BROADLEAF WEEDS: Burclover (California), burweed (lawn), chickweed (common, mouse-ear, sticky), Geranium (Carolina), henbit, parsley piert, purslane (common) (see label for complete list)

RATE / ACRE

8.0 – 14.0 oz

EPA REG. NO. 59639-155 HRAC NO. 2

ACTIVE INGR. imazosulfuron (75%)

FORMULATION water-dispersible granule

CHEM. FAMILY sulfonyleurea

SIGNAL WORD caution

PACKAGE SIZE 4 x 1 lb case



Certainty[®]

Certainty[®] Turf Herbicide promises proven selective, post-emerge weed control in warm-season turf and ornamentals. Plus, it's formulated with unique activity for flexible and safe control to almost all warm-season turfgrasses.

KEY USES

Residential and commercial turf sites (including lawns, athletic fields, cemeteries, parks, sod farms, fairways, tees and rough)

KEY WEEDS CONTROLLED

Barley (little), bedstraw (catchweed), bluegrass (annual, bulbous, roughstalk), burweed (lawn), buttercup, chamber bitter, chickweed (common), clover (white), crowfootgrass, dandelion, fescue (tall), garlic (wild), johnsongrass, kyllinga (false green, fragrant, green), lovegrass, mustard (wild), nutsedge (purple, yellow), pennycress (field), ryegrass (perennial), sedge (globe), sedges (annual), shepherd's-purse, switchgrass
(see label for complete list)

RATE / ACRE

0.75 – 2.0 oz

EPA REG. NO. 59639-226 HRAC NO. 2

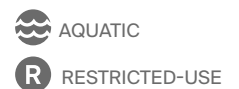
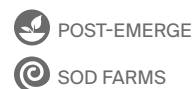
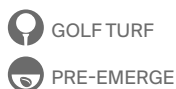
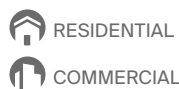
ACTIVE INGR. sulfosulfuron (75%)

FORMULATION water-dispersible granule

CHEM. FAMILY sulfonyleurea

SIGNAL WORD caution

PACKAGE SIZE 10 x 1.25 oz



Change Up™

Change Up™ selective herbicide combines three powerful ingredients to control more than 200 broadleaf weeds in many cool- and warm-season turf species. It works quickly to strike out weeds and help reduce callbacks.

KEY USES

Ornamental turf lawns, golf course turf (fairways, aprons, tees* and rough), parks, cemeteries and athletic fields, roadsides, rights-of-way, non-crop areas, sod farms
*excluding bentgrass tees

KEY WEEDS CONTROLLED

Chickweed, dandelion, oxalis, plantain, thistles
(see label for complete list)

RATE / 1000 SQ FT	0.37 - 1.29 fl oz
Cool-season species	0.73 - 1.1 fl oz
Bentgrass species	0.46 fl oz
Warm-season species	0.55 - 0.92 fl oz
St. Augustinegrass	0.37 fl oz

EPA REG. NO.	228-445	HRAC NO.	4
ACTIVE INGR.	MCPA (4.0 lbs/gal), fluroxypyr (0.4 lbs/gal), dicamba (0.4 lbs/gal)		
FORMULATION	liquid		
CHEM. FAMILY	phenoxycarboxylic acid, pyridines, benzoic acids		
SIGNAL WORD	warning		
PACKAGE SIZE	2 x 2.5 gal, 30 gal, 250 gal tote		



Cool Power®

Cool Power® Selective Herbicide is designed specifically for application during cool weather conditions or selective spot spray in warm conditions.

KEY USES

Golf courses (fairways, aprons, tees* and rough), turf, lawns, parks, cemeteries, non-crop areas
*excluding bentgrass tees

KEY WEEDS CONTROLLED

Black medic, buckhorn, chickweed, clover, dandelion, ground ivy, henbit, kochia, lespedeza, mallow, oxalis, plantain, spurge, thistle, wild geranium, wild violet, woodsorrel
(see label for complete list)

RATE / 1000 SQ FT	0.91 - 1.29 fl oz
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EPA REG. NO.	228-317	HRAC NO.	4
ACTIVE INGR.	MCPA (3.0 lbs/gal), triclopyr (0.3 lbs/gal), dicamba (0.3 lbs/gal)		
FORMULATION	liquid		
CHEM. FAMILY	phenoxy, pyridine, benzoic acid		
SIGNAL WORD	caution		
PACKAGE SIZE	2 x 2.5 gal, 30 gal		



Envoy Plus®

Envoy Plus® Herbicide delivers consistent post-emergent control of troublesome annual and perennial grasses. Plus, it has an excellent plant safety profile. Envoy Plus can be applied over-the-top to garden flowers and foliage plants as well as around ornamental trees to control grasses at heights up to 24 inches.

KEY USES

Conifer trees, garden flowers and plants, groundcovers, ornamental trees and shrubs

KEY WEEDS CONTROLLED

Annual bluegrass, barnyardgrass, bermudagrass, brome, crabgrass, fall panicum, field sandbur, goosegrass, quackgrass
(see label for complete list)

RATE / 1000 SQ FT	0.3 - 0.8 fl oz
RATE / ACRE	12.0 - 32.0 fl oz

EPA REG. NO.	59639-132	HRAC NO.	1
ACTIVE INGR.	clethodim (0.97 lbs/gal)		
FORMULATION	liquid		
CHEM. FAMILY	cyclohexanedione		
SIGNAL WORD	caution		
PACKAGE SIZE	4 x 1 gal		



Escalade® 2

Escalade® 2 Herbicide combines three powerful active ingredients to quickly control more than 240 broadleaf weeds. Excellent broad spectrum weed control when applied using low volume sprayers.

KEY USES

Lawns, parks, cemeteries, athletic fields, golf courses (fairways, aprons, tees* and rough), sod farms
*excluding bentgrass tees

KEY WEEDS CONTROLLED

Chickweed, clover, dandelion, knotweed, lespedeza, oxalis, plantain, purslane, spurge, thistle, woodsorrel
(see label for complete list)

RATE / 1000 SQ FT	0.73 - 1.10 fl oz
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EPA REG. NO.	228-442	HRAC NO.	4
ACTIVE INGR.	2,4-D (3.2 lbs/gal), fluroxypyr (0.4 lbs/gal), dicamba (0.4 lbs/gal)		
FORMULATION	microemulsion		
CHEM. FAMILY	phenoxycarboxylic acid, pyridine, benzoic acid		
SIGNAL WORD	warning		
PACKAGE SIZE	2 x 2.5 gal, 30 gal, 250 gal tote		



Horsepower®

Horsepower® Selective Herbicide is a three-way, selective post-emergence herbicide that controls a wide range of broadleaf weeds without 2,4-D.

KEY USES

Lawns (residential, industrial and institutional), parks, cemeteries, athletic fields, golf courses (fairways, aprons, tees* and rough)
*excluding bentgrass tees

KEY WEEDS CONTROLLED

Chickweed, clover, dandelion, geranium, kochia, lespedeza, mallow, oxalis, plantain, purslane, spurge, thistle, wild violet
(see label for complete list)

RATE / 1000 SQ FT	0.73 - 1.10 fl oz
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EPA REG. NO.	228-313	HRAC NO.	4
ACTIVE INGR.	MCPA (3.80 lbs/gal), triclopyr (0.38 lbs/gal), dicamba (0.38 lbs/gal)		
FORMULATION	liquid		
CHEM. FAMILY	phenoxyaliphatic acid, pyridine, benzoic acid		
SIGNAL WORD	danger		
PACKAGE SIZE	2 x 2.5 gal, 30 gal		



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Manor® Selective Herbicide is a highly selective premium post-emergence herbicide for effective control of grassy and broadleaf weeds in turfgrass.

KEY USES

Golf courses (fairways, aprons, tees and rough), sod farms, lawns, parks, cemeteries, non-crop areas

KEY WEEDS CONTROLLED

Bahiagrass, clover, dandelion, dollarweed, foxtail, oxalis, ryegrass, spurge (see label for complete list)

RATE / ACRE 0.125 – 1.0 oz

EPA REG. NO.	228-373	HRAC NO.	2
ACTIVE INGR.	metsulfuron methyl (60.0%)		
FORMULATION	water-soluble granule		
CHEM. FAMILY	sulfonylurea		
SIGNAL WORD	caution		
PACKAGE SIZE	16 x 2 oz bottle/case, 8 x 8 oz bottle/case		



This premium post-emerge herbicide “melts” tough weeds, even thistle, without leaving unsightly dead plants behind. And, unlike other selective herbicides, it is gentle on milkweed, allowing re-flower after initial suppression – which makes Millennium Ultra 2 a natural fit for pollinator zones.

KEY USES

Non-residential lawns, parks, cemeteries, athletic fields, golf courses (fairways, aprons, tees* and rough) *excluding bentgrass tees

KEY WEEDS CONTROLLED

Clover, oxalis, spurge, thistle, Virginia buttonweed (see label for complete list)

RATE / 1000 SQ FT 0.55 – 1.10 fl oz

EPA REG. NO.	228-332	HRAC NO.	4
ACTIVE INGR.	2,4-D (3.00 lbs/gal), clopyralid (0.183 lbs/gal), dicamba (0.375 lbs/gal)		
FORMULATION	liquid		
CHEM. FAMILY	phenoxycarboxylic acid, pyridine, benzoic acid		
SIGNAL WORD	danger		
PACKAGE SIZE	2 x 2.5 gal, 30 gal		



PrimeTime™ Herbicide* combines the proven activity of four active ingredients to deliver outstanding post-emergence control of the toughest broadleaf weeds. From early spring to late fall this herbicide delivers fast-acting and outstanding results on a wide variety of broadleaf weeds and goosegrass.

*PrimeTime is pending EPA registration.

KEY WEEDS CONTROLLED

Goosegrass, spurge, clover, plantain, thistle, wild violet, speedwell, dandelion, nimblewill (see label for complete list)

RATE / ACRE 3 to 5 pts
RATE / 1000 SQ FT 1.1 to 1.8 fl oz

KEY USES

Ornamental turf lawns, parks, cemeteries, athletic fields, golf courses (fairways, aprons, tees* and rough) and sod farms

EPA REG. NO.	Pending EPA registration		
HRAC NO.	4 & 14		
ACTIVE INGR.	2,4-D (1.6 lbs/gal), fluroxypyr (0.2 lbs/gal), dicamba (0.2 lbs/gal), carfentrazone (0.04 lbs/gal)		
FORMULATION	liquid		
CHEM. FAMILY	Phenoxy, pyridine, benzoic acid, N-phenyl triazolinone		
SIGNAL WORD	*Pending EPA Reg.		
PACKAGE SIZE	2 x 2.5 gal, 30 gal, 250 gal tote		



Nufarm Proledge® Selective Herbicide 2 offers excellent selective control of yellow and purple nutsedge in turf and around woody ornamentals in landscaped areas.

KEY USES

Turfgrasses (established lawns, ornamental turfgrass, landscaped areas, commercial and residential turfgrass), non-crop sites (including airports, cemeteries, fallow areas, golf courses, landscaped areas, public recreation areas, rights-of-way, etc.)

KEY WEEDS CONTROLLED

Horsetail, purple nutsedge, yellow nutsedge (see label for complete list)

RATE / ACRE 0.67 – 2.67 oz
Ornamental Lawns 0.67 – 1.33 oz
Roadsides, fencerows 2.67 oz

EPA REG. NO.	228-711	HRAC NO.	2
ACTIVE INGR.	halosulfuron-methyl (75.0%)		
FORMULATION	water dispersible granule		
CHEM. FAMILY	sulfonylurea		
SIGNAL WORD	caution		
PACKAGE SIZE	10 x 1.33 oz bottle		



Exclusively from Nufarm, new Q-Ball™ herbicide quickly takes out tough crabgrass escapes and more. With a simple one-use rate, studies show Q-Ball eliminates 90% of crabgrass escapes within 7 days.

KEY USES

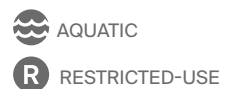
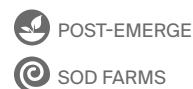
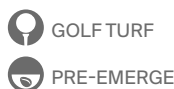
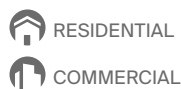
Residential and non-residential turfgrasses, golf courses (excluding collars and greens), sod farms, athletic fields, cemeteries

KEY WEEDS CONTROLLED

Barnyardgrass, clover, crabgrass, daisy, dandelion, dollarweed, foxtail, geranium, kikuyugrass, medic, morningglory, signalgrass, speedwell, torpedograss, violet (see label for complete list)

RATE / ACRE 4 pts

EPA REG. NO.	228-744	HRAC NO.	4
ACTIVE INGR.	quinclorac (1.50 lbs/gal)		
FORMULATION	water based liquid		
CHEM. FAMILY	quinolinecarboxylic acid		
SIGNAL WORD	caution		
PACKAGE SIZE	4 x 64 fl oz (squeeze-n-measure), 2 x 2.5 gal		



Southpaw

Southpaw™ post-emergence warm-season herbicide controls tough broadleaf, grass and sedge weeds. A combination of three active ingredients to deliver broad-spectrum weed control for use on Bermudagrass, zoysiagrass, centipedegrass and St. Augustinegrass.

KEY USES

Warm-season turf lawns, commercial and residential, parks and sports turf, golf courses and sod farms

KEY WEEDS CONTROLLED

Kyllinga, nutsedge, virginia buttonweed, lespedeza, ground ivy, clover, annual bluegrass, little barley, foxtail, johnsongrass, quackgrass (see label for complete list)

RATE / ACRE 6 – 10 oz

EPA REG. NO.	228-761	HRAC NO.	2 & 4
ACTIVE INGR.	dicamba (39.80%), sulfosulfuron (11.60%), metsulfuron, (3.80%)		
FORMULATION	water dispersible granule (WDG)		
CHEM. FAMILY	Sulfonylurea, benzoic acid		
SIGNAL WORD	No signal word required		
PACKAGE SIZE	20 x 8 oz, 12 x 1 lb, 4 x 5 lb		



SurePower™

Sure Power® is a new standard in herbicide power, providing swift mid-season control to strike down more than 250 challenging broadleaf weeds. Consider a fall application to naturalized areas for control that lasts through the winter.

KEY USES

Athletic fields, fescue species, golf courses (fairways and roughs), Kentucky bluegrass, perennial ryegrass, non-turf areas, ornamental lawn and turf (industrial, institutional and residential), sod farms

KEY WEEDS CONTROLLED

Black medic, chickweed, clover, dandelion, ground ivy, morningglory, plantain, spurge, wild violet, woodsorrel (see label for complete list)

RATE / 1000 SQ FT 0.73 – 1.28 fl oz

EPA REG. NO.	228-741	HRAC NO.	4 & 14
ACTIVE INGR.	2,4-D (2.19 lbs/gal), triclopyr (0.24 lbs/gal), fluroxypyr (0.23 lbs/gal), flumioxazin (0.02 lbs/gal)		
FORMULATION	suspoemulsion (SE) liquid		
CHEM. FAMILY	phenoxy-carboxylic acid, pyridine, N-phenylphthalimide		
SIGNAL WORD	caution		
PACKAGE SIZE	2 x 2.5 gal, 30 gal		



Triplet® Low Odor

Triplet® Low Odor is a liquid post-emergence herbicide that uses a unique formulation of 2,4-D to selectively control broadleaf weeds without the initial strong odor or lingering chemical smell.

KEY USES

Ornamental turf lawns (residential, industrial and institutional), parks, cemeteries, athletic and sports fields, golf courses (fairways, aprons, tees and rough), non-turf areas (roadsides and rights-of-ways), sod farms

KEY WEEDS CONTROLLED

Black medic, buckhorn, clover, dandelion, knotweed, lespedeza, pigweed, plantain, spurge, wild garlic, yarrow (see label for complete list)

RATE / 1000 SQ FT 0.67 – 1.5 fl oz

EPA REG. NO.	228-409	HRAC NO.	4
ACTIVE INGR.	2,4-D TIPA (2.38 lbs/gal), mecoprop-p (0.63 lbs/gal), dicamba (0.22 lbs/gal)		
FORMULATION	liquid		
CHEM. FAMILY	phenoxy, benzoic acid		
SIGNAL WORD	danger		
PACKAGE SIZE	2 x 2.5 gal, 30 gal		



Triplet® SF

Triplet® SF includes a combination of three powerful selective herbicides that control a broad spectrum of hard-to-kill broadleaf weeds in turf.

KEY USES

Ornamental turf lawns (residential, industrial and institutional), parks, cemeteries, athletic fields, golf courses (fairways, aprons, tees and rough), sod farms, rights-of-way and other non-crop areas

KEY WEEDS CONTROLLED

Black medic, buckhorn, chickweed, clover, dandelion, lespedeza, plantain, speedwell, spurge, wild garlic, wild onion (see label for complete list)

RATE / 1000 SQ FT 0.67 – 1.5 fl oz

EPA REG. NO.	228-312	HRAC NO.	4
ACTIVE INGR.	2,4-D (2.38 lbs/gal), mecoprop-p (0.63 lbs/gal), dicamba (0.22 lbs/gal)		
FORMULATION	liquid		
CHEM. FAMILY	phenoxy, benzoic acid		
SIGNAL WORD	danger		
PACKAGE SIZE	5 x 1 gal, 2 x 2.5 gal, 30 gal, 55 gal, 250 gal tote		



Tri-Power®

Tri-Power® is a non-2,4-D liquid three-way selective herbicide that effectively controls many broadleaf weeds in ornamental lawns and turf.

KEY USES

Residential and non-residential lawns (military and other institutions, parks, airports, roadsides, schools, picnic grounds, athletic fields, cemeteries, and golf courses)

KEY WEEDS CONTROLLED

Chickweed, clover, dandelion, oxalis, plantain (see label for complete list)

RATE / 1000 SQ FT 0.7 – 1.5 fl oz

EPA REG. NO.	228-262	HRAC NO.	4
ACTIVE INGR.	MCPA (3.1 lbs/gal), MCPP-p (0.6 lbs/gal), dicamba (0.3 lbs/gal)		
FORMULATION	liquid		
CHEM. FAMILY	phenoxy, benzoic acid		
SIGNAL WORD	danger		
PACKAGE SIZE	2 x 2.5 gal, 30 gal		



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Cheetah[®] Pro

Cheetah[®] Pro provides fast and effective non-selective, post-emergent control of the toughest broadleaf and grass weed challenges, including those resistant to glyphosate and multiple herbicide classes.

KEY USES

Golf courses, habitat restoration and management areas, landscaped and mulched areas, ornamental gardens, naturalized areas, pre-plant to turf and ornamental plants, shrubs and trees

KEY WEEDS CONTROLLED

More than 190 broadleaf weeds including: bahiagrass*, Bermudagrass*, chickweed, clover, groundsel, kochia, lambsquarters, mallow, morningglory, pigweed, quackgrass, ragweed, redmaids, spurge, thistle (Canada), waterhemp, yarrow (see label for complete list)

RATE / ACRE 24.0 – 82.0 fl oz

EPA REG. NO.	228-743	HRAC NO.	10
ACTIVE INGR.	glufosinate ammonium (2.34 lbs/gal)		
FORMULATION	soluble liquid		
CHEM. FAMILY	phosphinic acid		
SIGNAL WORD	caution		
PACKAGE SIZE	4 x 64 fl oz (squeeze-n-measure), 4 x 1 gal, 2 x 2.5 gal, 30 gal, 265 gal tote		

*Not for use in California.



GCSAA EXCEL

LEADERSHIP PROGRAM

Presented by NUFARM

LEADING THE FUTURE.

Offered through and administered by the Golf Course Association of America (GCSAA) and designed exclusively for assistant golf course superintendents, the Nufarm EXCEL Leadership Program offers leadership training for personal, career, and community / industry stewardship for assistant superintendents; the future leaders in the golf course management industry.

Visit Nufarm.com/USTurf/EXCEL-1 to learn more about the program or scan the QR code for details.



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AquaSweep™

The first liquid premix with full terrestrial and aquatic uses. Offers outstanding control of invasive and noxious weeds and brush.

KEY USES

Aquatic sites (industrial, recreational and public areas), golf courses, sod farms

KEY WEEDS CONTROLLED

Chickweed, clover, dandelion, plantain, poison ivy, poison oak
(see label for complete list)

RATE / 1000 SQ FT Consult label

EPA REG. NO. 228-316 HRAC NO. 4

ACTIVE INGR. 2,4-D (2.78 lbs/gal),
triclopyr (1.07 lbs/gal)

FORMULATION liquid

CHEM. FAMILY phenoxy, pyridine

SIGNAL WORD danger

PACKAGE SIZE 2 x 2.5 gal



Nufarm

Diquat SPC 2L

Nufarm Diquat SPC 2L herbicide provides non-selective control of aquatic and landscape weeds on contact.

KEY USES

Aquatic areas (NY state requires supplemental label), dormant established turfgrass (bermudagrass, zoysiagrass), landscape (industrial, recreational, commercial, residential), turf renovation (except commercial sod farms)

KEY WEEDS CONTROLLED

Bladderwort, cattail, duckweed, frog's bit, hydrilla, pennywort, water hyacinth, water lettuce, watermilfoil
(see label for complete list)

RATE / 1000 SQ FT Consult label

EPA REG. NO. 228-675 HRAC NO. 22

ACTIVE INGR. diquat (2.0 lbs/gal)

FORMULATION liquid

CHEM. FAMILY bipyridylum

SIGNAL WORD caution

PACKAGE SIZE 4 x 1 gal, 2 x 2.5 gal



SureGuard® EZ HERBICIDE

SureGuard® EZ delivers the same lasting residual control as SureGuard® in a convenient liquid formulation for use in aquatic sites. Plus, it enhances the speed and spectrum of glyphosate when used as a tank mix partner, even on resistant weeds.

KEY USES

Aquatic, bareground, commercial and residential landscapes, dormant bermudagrass, non-bearing fruit and nut trees and vines, non-crop areas and around buildings, fencerows, gravel surfaces, driveways, ground mats and other similar sites

KEY WEEDS CONTROLLED

Duckweed, filamentous algae, hydrilla, pondweeds, watermeal, watermilfoils
(see label for complete list)

RATE / ACRE 8.0 - 12.0 fl oz

EPA REG. NO. 59639-260 HRAC NO. 14

ACTIVE INGR. flumioxazin (4.0 lbs/gal)

FORMULATION liquid

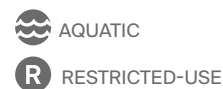
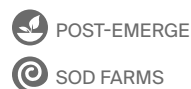
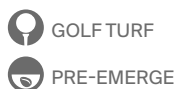
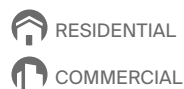
CHEM. FAMILY N-phenylphthalimide

SIGNAL WORD caution

PACKAGE SIZE 8 x 1 pt, 4 x 64 oz tip-N-measure



NOTES





Aloft® GC

With preventive and curative control, one application of Aloft® Insecticide¹ effectively combats insects. Prevent troublesome surface- and soil-feeding turf pests – including white grubs – or knock down existing adult and surface feeding pests.

KEY USES

Airports, arboretums, athletic fields, business and industrial complexes, cemeteries, sod farms, golf courses, recreation areas, residences

KEY PESTS CONTROLLED

Annual bluegrass weevil (adult & larvae), armyworms, billbugs, black turfgrass Ataenius, chinch bugs, cutworms, European crane fly, grasshoppers, leafhoppers, mole crickets, pillbugs, red imported fire ants (not approved in California), sod webworms, sowbugs, spittle bug, sugarcane grub, white grubs (see label for complete list)

RATE / 1,000 SQ FT 0.27 – 0.54 fl oz
(0.46 fl oz for red imported fire ant control, 0.33 fl oz for suppression)

EPA REG. NO. 59639-212 **IRAC NO.** 3 & 4A

ACTIVE INGR. clothianidin (2.22 lbs/gal), bifenthrin (1.10 lbs/gal)

FORMULATION suspension concentrate

CHEM. FAMILY neonicotinoid, pyrethroid

SIGNAL WORD warning

PACKAGE SIZE 4 x 64 fl oz case

*Not registered in New York.



Arena® 0.25 G

Arena® 0.25 G Insecticide provides preventive and curative activity for outstanding control of chinch bugs, white grubs and a broad spectrum of other turf and ornamental pests with proven residual performance. Arena 0.25 G is ideal for broadcast spread application.

KEY USES

Commercial and residential turf and landscape ornamentals, golf courses, interior plantscapes, non-bearing fruit and nut trees, recreational areas, sod farms

KEY PESTS CONTROLLED

Annual bluegrass weevil (larval stages), billbugs, chinch bugs (including pyrethroid-resistant), cutworms, nuisance ants, sod webworms, white grubs (see label for complete list)

RATE / ACRE 80.0 – 160.0 lb (turf)

EPA REG. NO. 59639-157 **IRAC NO.** 4A

ACTIVE INGR. clothianidin (.25%)

FORMULATION granules

CHEM. FAMILY neonicotinoid

SIGNAL WORD caution

PACKAGE SIZE 30 lb bag



Arena®

Arena® 50 WDG Insecticide delivers proven preventive and curative control of chinch bugs, white grubs and a broad spectrum of other turf and ornamental pests with proven residual performance. Arena 50 WDG is ideal for foliar and soil application methods.

KEY USES

Commercial and residential turf and landscape ornamentals, golf courses, interior plantscapes, non-bearing fruit and nut trees, recreational areas, sod farms

KEY PESTS CONTROLLED

Annual bluegrass weevil (larval stages), billbugs, chinch bugs (including pyrethroid-resistant), cutworms, nuisance ants, sod webworms, white grubs (see label for complete list)

RATE / ACRE 6.4 – 12.8 oz (turf)

EPA REG. NO. 59639-152 **IRAC NO.** 4A

ACTIVE INGR. clothianidin (50%)

FORMULATION water-dispersible granule

CHEM. FAMILY neonicotinoid

SIGNAL WORD caution

PACKAGE SIZE 4 x 40 oz bottle



DiPel® PRO DF

The most widely used biological insecticide in the world, DiPel® PRO DF Biological Insecticide delivers outstanding worm control while being friendly to workers, the environment, and beneficial insects (OMRI® Listed for organic production).

KEY USES

Turf, landscape ornamentals

KEY PESTS CONTROLLED

Lepidopterous worms: armyworms, looper, tent caterpillar, tobacco budworms, various bagworms, and many other worms (see label for complete list)

RATE / 100 GAL 0.25 – 1.0 lb

EPA REG. NO. 73049-39 **IRAC NO.** 11A

ACTIVE INGR. bacillus thuringiensis (54%)

FORMULATION dry flowable

CHEM. FAMILY biological

SIGNAL WORD caution

PACKAGE SIZE 30 x 1 lb case



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This guide is intended to provide a product overview. See product labels for complete details and labeled use listing. For the latest version, please visit our website.



Distance*

Distance* Insect Growth Regulator breaks the life cycle of whiteflies, fungus gnats and other insects, providing LCOs with a resistance management tool that effectively controls harmful insects.

KEY USES

Greenhouse and outdoor ornamentals, groundcovers, non-bearing fruit trees, shrubs and ornamental trees

KEY PESTS CONTROLLED

Fungus gnats, leafminers, scales, shore flies, whiteflies (see label for complete list)

RATE / 100 GAL 2.0 – 12.0 fl oz

EPA REG. NO.	59639-96	IRAC NO.	7D
ACTIVE INGR.	pyriproxyfen (0.86 lbs/gal)		
FORMULATION	liquid		
CHEM. FAMILY	juvenile hormone mimic		
SIGNAL WORD	caution		
PACKAGE SIZE	4 x 1 qt tip-n-measure		



Mallet® 0.5 G

Mallet® 0.5 G protects the health of turf and ornamentals with systemic activity, providing long-lasting grub and insect control with preventive and curative properties.

KEY USES

Turf, landscape ornamentals (trees, shrubs, evergreens, flowers, foliage, bedding plants, and groundcovers)

KEY PESTS CONTROLLED

Beetles, billbugs, chafers, crickets, flies, mole crickets, white grub larvae (see label for complete list)

RATE Consult label

EPA REG. NO.	228-501	IRAC NO.	4A
ACTIVE INGR.	imidacloprid (0.5%)		
FORMULATION	granular		
CHEM. FAMILY	neonicotinoid		
SIGNAL WORD	caution		
PACKAGE SIZE	30 lb bag		



Mallet® 2F T&O

Mallet® 2F T&O offers quick knockdown, residual control, low use rates and an easy-mixing formulation.

KEY USES

Turf (including golf courses and sod farms), landscape ornamentals (trees, shrubs), interior plantscapes, fruit and nut trees

KEY PESTS CONTROLLED

Aphids, ataenius, billbugs, emerald ash borers, flatheaded borers, green June beetles, Japanese beetles, leafminers, mealybugs, mole crickets, oriental beetles, sawfly larvae, soft scales, southern masked chafers, weevils, white grub larvae (see label for complete list)

RATE Consult label

EPA REG. NO.	228-695	IRAC NO.	4A
ACTIVE INGR.	imidacloprid (2.0 lbs/gal)		
FORMULATION	liquid		
CHEM. FAMILY	neonicotinoid		
SIGNAL WORD	caution		
PACKAGE SIZE	4 x 1 gal, 2 x 2.5 gal		



Minx™ 2

Minx™ 2 Insecticide delivers quick and easy broad-spectrum mite and leafminer control in a new low volatile organic compound (VOC), water-based formula. It also works to suppress aphids, whiteflies and thrips. Compared to many other abamectin products, Minx 2 offers added application flexibility and applicator comfort.

KEY USES

Ornamentals

KEY PESTS CONTROLLED

Aphids, leafminers, mites, thrips, whiteflies (see label for complete list)

RATE / 100 GAL 4.0 – 8.0 fl oz

EPA REG. NO.	228-736	IRAC NO.	6
ACTIVE INGR.	abamectin (0.15 lbs/gal)		
FORMULATION	emulsifiable microemulsion		
CHEM. FAMILY	avermectin		
SIGNAL WORD	caution		
PACKAGE SIZE	4 x 1 qt, 4 x 1 gal		



OpteraPro®

OpteraPro® Insecticide provides comprehensive season-long protection against a variety of damaging insect pests, including grubs, caterpillars, ABW and more. Flexible application rates and timing make OpteraPro both economical and efficient. Unlike many insecticides, irrigation after treatment is not a necessity.

KEY PESTS CONTROLLED

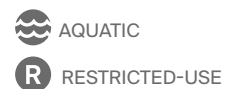
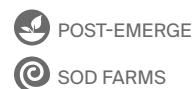
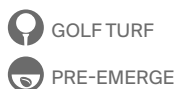
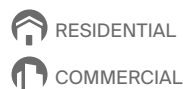
Annual bluegrass weevil (ABW), black turfgrass ataenius (BTA), billbugs, caterpillars armyworm, cutworm and sod webworm, white grubs (see label for complete list)

RATE Consult label

KEY USES

Turf and ornamental plants on lawns, landscaped areas around residential, commercial and institutional properties, public parks, schools, recreational areas, athletic fields, other landscaped areas and interior plantscapes

EPA REG. NO.	228-768	IRAC NO.	28
ACTIVE INGR.	chlorantraniliprole (1.67 lb/gal)		
FORMULATION	suspension concentrate		
CHEM. FAMILY	anthranilic diamide		
IRAC NO.	28		
PACKAGE SIZE	4 x 1 qt tip-n-measure, 4 x 1 gal jug		



OpteraPro[®] DUO^{GC}

OpteraPro[®] Duo GC insecticide* delivers powerful, dual-action control of 39+ golf course pests. Combining the systemic strength of chlorantraniliprole with the fast-acting contact power of bifenthrin, it targets both subsurface turf pests and above-ground nuisance pests. Gain long-lasting residual protection with flexible application rates and irrigation timing.

*OpteraPro DUO GC is pending EPA registration.

KEY PESTS CONTROLLED

White grubs, turf caterpillars, annual bluegrass weevil, billbugs (adult), chinch bugs*, European crane fly (larvae), spittlebugs (two-lined)

NUISANCE PESTS: ants, nuisance centipedes, chiggers, crickets, earwigs, fleas, grasshoppers, leafhoppers, mealy bugs, millipedes, pillbugs, sowbugs, ticks (see label for complete list)

RATE Consult label

KEY USES

Turf and ornamental plants on lawns, landscaped areas around residential, commercial and institutional properties, public parks, schools, recreational areas, athletic fields, other landscaped areas and interior plantscapes

EPA REG. NO.	Pending EPA registration
ACTIVE INGR.	chlorantraniliprole (0.83 lb/gal) + bifenthrin (0.64 lb/gal)
FORMULATION	suspension concentrate
CHEM. FAMILY	anthranilic diamide + pyrethroid
IRAC NO.	28 and 3A
SIGNAL WORD	warning*
PACKAGE SIZE	4 x 64 fl oz tip-n-measure 2 x 2.5 gal jug



Safari[®]

Safari[®] 20 SG is a super-systemic insecticide that quickly knocks down a broad spectrum of ornamental pests with long-lasting control.

KEY USES

Interior plantscapes, landscape ornamentals (commercial, industrial, recreational, and residential), non-bearing fruit and nut trees, non-bearing vines

KEY PESTS CONTROLLED

Adelgids, aphids, armored and soft scales, emerald ash borers, flatheaded borers, leaf beetles, leafhoppers, leafminers, mealybugs, root weevils, roundheaded borers, whiteflies (including Q- and B-biotype) (see label for complete list)

RATE / 100 GAL	4.0 – 8.0 oz (foliar spray)
RATE / 10" TRUNK DIA.	1.0 – 4.2 oz (soil)
RATE / 10" HEIGHT	1.0 – 2.1 oz (soil)
RATE / GAL	12.0 – 24.0 oz (basal trunk spray)

EPA REG. NO.	86203-11-59639	IRAC NO.	4A
ACTIVE INGR.	dinotefuran (20%)		
FORMULATION	water-soluble granule		
CHEM. FAMILY	neonicotinoid		
SIGNAL WORD	caution		
PACKAGE SIZE	16 x 12 oz bottle, 4 x 3 lb bottle		



Tame[®]

Tame[®] Insecticide¹ delivers broad-spectrum knockdown of numerous insect/mite pest problems and is an excellent tank mix partner.

KEY USES

Commercial nonfood use on indoor and outdoor + ornamental and nursery plantings

KEY PESTS CONTROLLED

Aphids, glassy-winged sharpshooters, mites, scales, whiteflies (see label for complete list)

RATE / 100 GAL	5.33 – 16.0 fl oz
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EPA REG. NO.	59639-77	IRAC NO.	3A
ACTIVE INGR.	fenpropathrin (2.4 lbs/gal)		
FORMULATION	liquid		
CHEM. FAMILY	pyrethroid		
SIGNAL WORD	warning		
PACKAGE SIZE	12 x 1 qt		



TetraSan[®]

With excellent translaminar movement and outstanding residual activity, TetraSan[®] affects spider mites at all life stages without harming most beneficial insects.

KEY USES

Greenhouse, landscape, nursery

KEY PESTS CONTROLLED

Spider mites including; citrus red mites, European red mites, lewis spider mites, Pacific spider mites, southern red mites, spruce spider mites, two-spotted spider mites (see label for complete list)

RATE / 100 GAL	8.0 – 16.0 oz
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EPA REG. NO.	59639-108	IRAC NO.	10B
ACTIVE INGR.	etoxazole (5%)		
FORMULATION	water-dispersible granule		
CHEM. FAMILY	unclassified		
SIGNAL WORD	caution		
PACKAGE SIZE	8 x 8 x 2 oz water soluble bag		



TriStar[®] 8.5 SL

TriStar[®] 8.5 SL provides excellent, proven control of a wide range of outdoor ornamental insect pests.

KEY USES

Landscape ornamentals

KEY PESTS CONTROLLED

Adelgids, aphids, citrus thrips, crane fly larvae, European pine sawflies, hard and soft scales, leaf eating beetles, leafhoppers, leafminers, mealybugs, plant bugs, psyllids, strawberry weevils, thrips, whiteflies (see label for complete list)

RATE / 100 GAL	4.0 – 25.3 fl oz
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EPA REG. NO.	8033-106-1001	IRAC NO.	4A
ACTIVE INGR.	acetamiprid (0.76 lbs/gal)		
FORMULATION	soluble liquid		
CHEM. FAMILY	neonicotinoid		
SIGNAL WORD	caution		
PACKAGE SIZE	4 x 1 qt, 4 x 1 gal		



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Plant Growth Regulator



Anuew® is a novel growth regulator for cool- and warm-season turf management. It contains prohexadione calcium that can be applied to managed turf areas. And, it's the first EPA approved label with Growing Degree Day (GDD) application instructions.

KEY USES

Golf course turf, parks and cemeteries, residential and commercial lawns, sod farms, sports fields

KEY PERFORMANCE BENEFITS

- More active and longer lasting on cool-season turf
- Faster regulation in warm-season turf
- Helps evenly regulate Poa in mixed stands
- Improves appearance and playability on greens with bermudagrass mutations
- Supports seedhead suppression

RATE Consult label

EPA REG. NO.	1001-91
ACTIVE INGR.	prohexadione calcium (27.5%)
FORMULATION	extruded granule
CHEM. FAMILY	acylcyclohexadiones
SIGNAL WORD	caution
PACKAGE SIZE	4 x 4 x 1.5 lb resealable pouch



Let Anuew® EZ answer your #1 priority, whether that's to improve quality or optimize operational efficiency. A game changing liquid plant growth regulator, Anuew EZ will save you time with less mowing and fewer clippings while improving the overall playability of greens, tees and fairways, all with the convenience of a liquid solution.

KEY USES

Golf course turf, parks and cemeteries, residential and commercial lawns, sod farms, sports fields

KEY PERFORMANCE BENEFITS

- More active and longer lasting on cool-season turf
- Faster regulation in warm-season turf
- Helps evenly regulate Poa in mixed stands
- Improves appearance and playability on greens with bermudagrass mutations
- Supports seedhead suppression

RATE Consult label

EPA REG. NO.	1001-92
ACTIVE INGR.	prohexadione calcium (.98 lbs/gal)
FORMULATION	suspension concentrate
CHEM. FAMILY	acylcyclohexadiones
SIGNAL WORD	caution
PACKAGE SIZE	4 x 64 fl oz, 2 x 2.5 gal



Fungicide



Incorporating 26/36® Fungicide into an integrated disease management program provides effective control of key diseases of turfgrass and ornamentals.

KEY USES

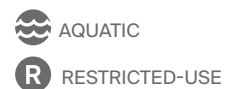
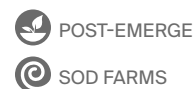
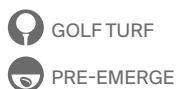
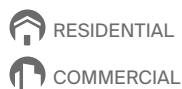
Turfgrass, ornamentals growing in golf courses, sod farms, institutional areas

KEY DISEASES CONTROLLED

- Anthraxnose, Ascochyta leaf blight, brown patch, copper spot, Corticium red thread, dollar spot, Fusarium patch, gray snow mold, leaf spot, pink snow mold, zoysia patch
- (see label for complete list)

RATE / 1000 SQ FT	2.0 – 8.0 oz (turf)
RATE / ACRE	33.0 – 84.0 oz (orn)
RATE / 100 GAL	33.0 – 84.0 fl oz (spray) 13.5 fl oz (drench) 66.0 fl oz (drip)

EPA REG. NO.	228-630	FRAC NO.	1 & 2
ACTIVE INGR.	iprodione (1.9 lbs/gal), thiophanate-methyl (1.9 lbs/gal)		
FORMULATION	flowable		
CHEM. FAMILY	dicarboximide, benzimidazole		
SIGNAL WORD	caution		
PACKAGE SIZE	2 x 2.5 gal		



3336[®] DG^{LITE}

3336[®] DG Lite is formulated with patented granular dispersing technology. Following spreader application, particles quickly disperse upon contact with moisture for improved penetration into the root zone.

KEY USES

Turfgrass, annual and perennial flowers, bedding and foliage plants, groundcovers, deciduous and evergreens, commercial, residential, golf courses (fairways, greens, tees), athletic fields, parks

KEY DISEASES CONTROLLED

Anthracnose, cool-season brown patch, dollar spot, Fusarium blight/patch, gray leaf spot, large brown patch, leaf spot, necrotic ring spot, pink snow mold, red thread, spring dead spot, zoysia patch (see label for complete list)

RATE / 1000 SQ FT 1.5 – 9.0 lb (turf)
22.0 – 30.0 lb (orn)

EPA REG. NO.	1001-70	FRAC NO.	1
ACTIVE INGR.	thiophanate-methyl (2.08%)		
FORMULATION	granular		
CHEM. FAMILY	benzimidazole		
SIGNAL WORD	caution		
PACKAGE SIZE	30 lb bag		



3336[®] EG

3336[®] EG combines the power of thiophanate-methyl with the convenience of a low-dust extruded granule. It extends many benefits to the user including easy measuring and mixing – which allows for spray program customization.

KEY USES

Turfgrass, annual and perennial flowers, bedding and foliage plants, groundcovers, deciduous and evergreens, commercial, residential, golf courses (fairways, greens, tees, aprons), athletic fields, parks

KEY DISEASES CONTROLLED

Anthracnose, dollar spot, Fusarium patch, large brown patch, leaf spot, pink snow mold, red thread, rusts, stripe smut, summer patch, take-all patch, zoysia patch (see label for complete list)

RATE / 1000 SQ FT 2.0 – 6.0 oz

EPA REG. NO.	1001-89	FRAC NO.	1
ACTIVE INGR.	thiophanate-methyl (50%)		
FORMULATION	extruded granule		
CHEM. FAMILY	benzimidazole		
SIGNAL WORD	caution		
PACKAGE SIZE	4 x 5 lb		



3336[®] F

3336[®] F is a broad-spectrum fungicide with preventive and curative properties. Its systemic mode of action is particularly effective on a wide range of diseases in turf and ornamental settings.

KEY USES

Turfgrass, annual and perennial flowers, bedding and foliage plants, groundcovers, deciduous and evergreens, commercial, residential, golf courses (fairways, greens, tees), athletic fields, parks

KEY DISEASES CONTROLLED

Anthracnose, cankers, diebacks, dollar spot, Fusarium blight/patch, large brown patch, pink snow mold, powdery mildew, red thread, rusts, spring dead spot, stripe smut, summer patch, zoysia patch (see label for complete list)

RATE / 1000 SQ FT 2.0 – 6.0 oz (turf)
RATE / 100 GAL 8.0 – 24.0 oz (orn)

EPA REG. NO.	1001-69	FRAC NO.	1
ACTIVE INGR.	thiophanate-methyl (4.0 lbs/gal)		
FORMULATION	flowable		
CHEM. FAMILY	benzimidazole		
SIGNAL WORD	caution		
PACKAGE SIZE	12 x 1qt, 2 x 2.5 gal		



Adorn[®]

With a novel mode of action, Adorn[®] is an excellent addition to fungicide rotations and plays a key role in resistance management programs to defeat downy mildew, Phytophthora and Pythium.

KEY USES

Bedding and foliage plants, groundcovers, ornamentals, shrubs

KEY DISEASES CONTROLLED

Downy mildew, Phytophthora and Pythium spp. (see label for complete list)

RATE / 100 GAL 1.0 – 4.0 fl oz (drench)
2.0 – 4.0 fl oz (spray)

EPA REG. NO.	59639-141	FRAC NO.	43
ACTIVE INGR.	fluopicolide (4.0 lbs/gal)		
FORMULATION	flowable		
CHEM. FAMILY	pyridine		
SIGNAL WORD	caution		
PACKAGE SIZE	12 x 1 qt bottle		



Affirm[™] WDG

Affirm[™] WDG is a concentrated, easy-to-mix water dispersible granule formulation that delivers excellent disease control.

KEY USES

Cool- and warm-season turfgrass, ornamentals, turf (golf courses, sod, residential lawns, commercial and institutional grounds)

KEY DISEASES CONTROLLED

Brown patch, fairy ring, foliar and basal anthracnose, gray snow mold, large patch, leaf spot/melting out, pink snow mold, red thread, rhizoctonia, Waitea patch, yellow patch, zoysia patch (see label for complete list)

RATE Consult label

EPA REG. NO.	68173-3-1001	FRAC NO.	19
ACTIVE INGR.	polyoxin D zinc salt (11.3%)		
FORMULATION	water-dispersible granule		
CHEM. FAMILY	polyoxins		
SIGNAL WORD	caution		
PACKAGE SIZE	3 x 2.4 lb resealable bag		

Cleary Chemical, LLC is a wholly owned subsidiary of Nufarm.



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This guide is intended to provide a product overview. See product labels for complete details and labeled use listing. For the latest version, please visit our website.





Curator™ fungicide is your best defense against devastating Pythium diseases, including blight, damping off and root rot. This cost-effective treatment, the first single product to combine propamocarb and mefenoxam, saves both time and money as a rotational partner with two proven curative and systemic modes of action.

KEY USES

Golf courses; lawns around residential, institutional, public, commercial, and industrial buildings; parks, recreational areas, and athletic fields; and sod farms

RATE / 1000 SQ FT 3 – 6 oz

EPA REG. NO.	228-771
ACTIVE INGR.	propamocarb (3.6 lb/gal), mefenoxam (0.36 lb/gal)
FORMULATION	micro-emulsion liquid
CHEM. FAMILY	carbamate & phenylamide
SIGNAL WORD	caution
PACKAGE SIZE	2 x 2.5 gal



Phostrol®

As a systemic fungicide, Phostrol® provides effective control of various plant diseases including black spot, scab and downy mildew. Phostrol is a proven performer against Phytophthora and Pythium associated with stem and canker blight.

KEY USES

Annual and perennial flowers, bedding plants, cool- and warm-season turfgrasses, deciduous and evergreen trees and shrubs, foliage plants, golf courses, groundcovers, landscape

KEY DISEASES CONTROLLED

Bacterial blight, downy mildew, fire blight, Phytophthora spp., Pythium spp. (see label for complete list)

RATE / 1000 SQ FT 4 – 8 oz

EPA REG. NO.	55146-83	FRAC NO.	33
ACTIVE INGR.	mono- and dibasic sodium, potassium and ammonium phosphites (6.27 lbs/gal)		
FORMULATION	liquid		
CHEM. FAMILY	phosphite		
SIGNAL WORD	caution		
PACKAGE SIZE	2 x 2.5 gal		



Pinpoint™

Pinpoint® Fungicide is formulated with a fungicide active ingredient designed for very strong dollar spot control.

KEY USES

Golf courses, sod farms, lawns (residential, institutional, public, commercial and industrial), athletic fields, parks and recreational areas

KEY DISEASES CONTROLLED

Dollar spot, fairy ring, take-all patch, rust, brown patch (suppression only) (see label for complete list)

RATE / ACRE 7.4 – 13.5 fl oz

EPA REG. NO.	59639-199	FRAC NO.	11
ACTIVE INGR.	mandestrobin (4.0 lbs/gal)		
FORMULATION	liquid (4SC)		
CHEM. FAMILY	strobilurin		
SIGNAL WORD	caution		
PACKAGE SIZE	4 x 60 fl oz bottle		



Protect™ DF

Protect™ DF provides excellent control of a variety of important plant diseases. Protect is an effective resistance management tool that offers lasting protection with residual activity.

KEY USES

Cool- and warm-season turfgrasses, field ornamentals and shade trees, groundcovers and herbaceous plants, commercial turf, golf courses (fairways, greens, tees)

KEY DISEASES CONTROLLED

Algae, Alternaria, Anthracnose blights, Botrytis, copper spot, damping off, dollar spot, downy mildew, Fusarium blight, leaf spot, melting out, pink snow mold, Pythium blight, red thread, slime mold (see label for complete list)

RATE / 1000 SQ FT 4.0-8.0 oz

EPA REG. NO.	1001-77	FRAC NO.	M3
ACTIVE INGR.	mancozeb (75.0%)		
FORMULATION	dry flowable		
CHEM. FAMILY	dithiocarbamate		
SIGNAL WORD	caution		
PACKAGE SIZE	6 x 6 lb		



Spectro® 90^{WDG}

Spectro 90® WDG fungicide is a combination of two proven broad-spectrum actives. Both have contact and systemic properties to provide preventative and curative control to many devastating plant diseases.

KEY USES

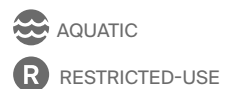
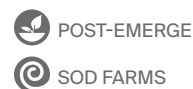
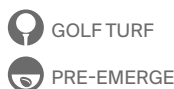
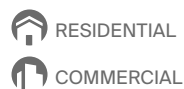
Cool- and warm season turfgrasses on golf courses

KEY DISEASES CONTROLLED

Algae, Anthracnose (foliar and basal), brown patch, dollar spot, gray snow mold, gray leaf spot, leaf spot & melting out, snow mold (gray and pink), red thread (see label for complete list)

RATE / 1000 SQ FT 3.0-3.72 oz

EPA REG. NO.	1001-72	FRAC NO.	1 and M5
ACTIVE INGR.	chlorothalonil (72%), thiophanate-methyl (18%)		
FORMULATION	water dispersible granules		
CHEM. FAMILY	chloronitrile, benzimidazole		
SIGNAL WORD	danger		
PACKAGE SIZE	4 x 5 lb case		



Strider™

Strider™ is a high quality, water-based fungicide formulation with both preventive and curative modes of action to combat more than 40 turf and ornamental diseases with excellent plant safety.

KEY USES

Turf, ornamentals

KEY DISEASES CONTROLLED

Anthracnose, brown patch, Dichondra rust, dollar spot, Fusarium patch, gray leaf spot, gray snow mold, leaf spot, melting out, necrotic ring spot, pink patch, Poa patch, powdery mildew, red thread, rust, spring dead spot, stripe smut, summer patch, take-all patch, yellow patch, zoysia patch (see label for complete list)

RATE / 1000 SQ FT 0.5 – 4.0 fl oz (turf)

RATE / 100 GAL 2.0 – 24.0 fl oz (orn)

(6 – 8 fl oz recommended for landscape orn)

EPA REG. NO. 228-623 **FRAC NO.** 3

ACTIVE INGR. propiconazole (1.3 lbs/gal)

FORMULATION MEC

CHEM. FAMILY triazole

SIGNAL WORD warning

PACKAGE SIZE 2 x 2.5 gal



Torque™

Torque™ provides long-lasting curative and preventive control against tough turfgrass diseases such as spring dead spot and snow mold as well as ornamental diseases including scabs, Phomopsis, and mildews. Preventive and curative 14-21 day control.

KEY USES

Commercial and residential landscapes, golf courses (greens, tees, fairways of cool- and warm-season grasses)

KEY DISEASES CONTROLLED

Anthracnose, Cercospora, powdery mildew, Rhizoctonia (see label for complete list)

RATE Consult label

EPA REG. NO. 1001-87 **FRAC NO.** 3

ACTIVE INGR. tebuconazole (3.6 lbs/gal)

FORMULATION liquid suspension

CHEM. FAMILY triazole

SIGNAL WORD caution

PACKAGE SIZE 5 x 1 gal



Tourney EZ

Bookend your fungicide program with Tourney® EZ, a next-generation, powerful, broad-spectrum liquid formulation for the most problematic cool- and warm-season diseases in turf and ornamentals. As one of the most active DMI fungicides on the market, it's your go-to solution early in the spring as a knock-down inoculum and in the fall for shoulder, crown and foliar diseases.

KEY DISEASES CONTROLLED

Anthracnose, brown patch, dollar spot, fairy ring, grey leaf spot, summer patch, take-all patch, Waitea patch (see label for complete list)

RATE / 1000 SQ FT 0.18 – 0.44 fl oz (turf)

RATE / 100 GAL 1.0 – 4.0 fl oz (orn)

KEY USES

Golf courses, ornamental plants, flowering and foliage plants, non-bearing trees, commercial and residential landscapes, sod farms, sports fields

EPA REG. NO. 59639-257 **FRAC NO.** 3

ACTIVE INGR. metconazole (4.0 lbs/gal)

FORMULATION suspension concentrate

CHEM. FAMILY triazole

SIGNAL WORD caution

PACKAGE SIZE 4 x 1 gal



*Not for ornamental use in California.

TractiOn™

TractiOn™ Fungicide is a proven premix that helps golf course managers save time and stay in control of challenging diseases. By working on contact and systemically, TractiOn effectively controls 19 challenging turf diseases and algal scum.

KEY USES

Cool- and warm-season golf course turf (greens, tees, fairways, aprons, rough)

KEY DISEASES CONTROLLED

Anthracnose, brown blight, brown patch, brown ring patch (Waitea), copper spot, dollar spot, Fusarium patch, gray leaf spot, gray snow mold, large patch, leaf spot (melting-out), pink patch, pink snow mold, powdery mildew, red thread, stem rust, stripe smut, Waitea patch, zoysia patch, algal scum (suppression) (see label for complete list)

RATE / 1000 SQ FT 1.3 fl oz

EPA REG. NO. 228-739 **FRAC NO.** 29 & 3

ACTIVE INGR. fluazinam (1.59 lbs/gal), tebuconazole (1.65 lbs/gal)

FORMULATION liquid (3.24 SC)

CHEM. FAMILY phenyl-pyridinamine, triazole

SIGNAL WORD caution

PACKAGE SIZE 2 x 2.5 gal



Verdato™

Verdato™ fungicide delivers versatile broad-spectrum protection against some of the most persistent turf diseases. Powered by the unique phenylpyrrole group mode of action, it works quickly to disrupt the cellular process in fungi and stop disease before it starts. It's an effective, low-use-rate start to your spring disease management rotation.

KEY DISEASES CONTROLLED

Anthracnose, brown patch, leaf spot, microdochium patch, rhizoctonia leaf & sheath, snow mold (gray, pink)

RATE / 1000 SQ FT 0.2-0.5 fl oz

EPA REG. NO. 228-723 **FRAC NO.** 12

ACTIVE INGR. fludioxonil (4 lbs/gal)

FORMULATION suspension concentrate

CHEM. FAMILY phenylpyrrole

SIGNAL WORD caution

PACKAGE SIZE 4 x 64 fl oz



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This guide is intended to provide a product overview. See product labels for complete details and labeled use listing. For the latest version, please visit our website.



Proven Defense for Turf Disease



DISEASE	SYMPTOM	PRODUCT													
		26/36°	3336° EG 3336° F	3336° DGLITE	AFFIRM™	CURATOR™	PHOSTROL®	PINPOINT®	PROTECT™ DF	SPECTRO® 90	STRIDER™	TORQUE™	TOURNEYEZ	TRACTION™	VERDATO™
Algae	green matted gunk	N/A	N/A	N/A	N/A	N/A	N/A	N/A	★★★	N/A	N/A	N/A	N/A	★★★	N/A
Anthracnose	large leaf spots	N/A	★★	★★	★★★★	N/A	★	N/A	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★
Brown Patch Rhizoc. solani	circles with yellow/ orange edges	★★	★★★★	★★	★★★★	N/A	N/A	★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★
Curvularia	small irregular light brown turf	N/A	N/A	N/A	★★★★	N/A	N/A	N/A	★	★★	★★	N/A	N/A	N/A	N/A
Bermudagrass Decline	round or oval dead areas	N/A	★★★★	★★	N/A	N/A	★	★★★★	N/A	N/A	N/A	★★★★	★★★★	N/A	N/A
Dollar Spot	numerous little spots	★★★★	★★★★	★★	N/A	N/A	N/A	★★★★	★★	★★★★	★★★★	★★★★	★★★★	★★★★	N/A
Fairy Ring	dead or green rings	N/A	N/A	N/A	★★★★	N/A	N/A	N/A	N/A	N/A	N/A	★★★★	★★★★	N/A	N/A
Gray Leaf Spot	gray or black leaf spots	N/A	★★★★	★★★★	★★	N/A	N/A	N/A	★★	★★★★	★★	★★	★★	★★★★	★
Helminthosporium Leaf Spot	greasy spots/areas	★★★★	★★	N/A	★★★★	N/A	N/A	N/A	★★★★	★★★★	★★	N/A	N/A	N/A	★★★★
Melting Out Dreschlera	greasy spots/areas	★★★★	★★	N/A	★★★★	N/A	N/A	N/A	★★★★	★★★★	★★	N/A	N/A	★★★★	★★★★
Phytophthora	stem or leaf rot	N/A	N/A	N/A	N/A	N/A	★★★★	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pythium	wilting/declining fingers throughout turf	N/A	N/A	N/A	N/A	★★★★	★★★★	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Rapid Blight	yellow declining turf	N/A	N/A	N/A	N/A	N/A	★★	N/A	★★★★	★★	N/A	N/A	N/A	N/A	N/A
Mini Ring Rhizoc zeae	light brown/whitish circles 4-8 inches	★★	N/A	N/A	★★★★	N/A	N/A	N/A	★★	★★	N/A	N/A	N/A	N/A	★★★★
Take All Patch	light yellow leaf blades	N/A	★★★★	★★	N/A	N/A	★	★★★★	N/A	N/A	★★	★★	★★★★	N/A	N/A
Waitea Patch	6-10 inch dying circles	N/A	N/A	N/A	★★★★	N/A	N/A	N/A	N/A	★★	N/A	★★★★	★★★★	★★★★	★★★★
Yellow Patch Rhizoc cerealis	roundish areas with yellow ring	★★★★	★★★★	N/A	★★★★	N/A	N/A	N/A	★★	★★★★	★★	N/A	★★★★	N/A	★★★★

★★★★ EXCELLENT ★★★ VERY GOOD ★★ GOOD ★ FAIR N/A NOT APPLICABLE

See product label for specific disease control details, rates and application recommendations.



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YOUR FORMULA FOR SUCCESS

Keeping greens and fairways beautiful while juggling resources and member satisfaction is a constant balancing act. Nufarm supports you with powerfully proven formulations that drive success day after day – **including multiple new solutions ready to boost your advantage in 2026.**

FUNGICIDES

Curator™
Verdato™

INSECTICIDES

OpteraPro®
OpteraPro® Duo GC
Simpell™

FERTILIZER TECH

StayGuard™

HERBICIDES

Allstar™
Southpaw™
PrimeTime™

There's so much new from Nufarm...

Verdato™ fungicide delivers versatile broad-spectrum protection against some of the most persistent turf diseases. Powered by the unique phenylpyrrole group mode of action, it quickly disrupts the cellular process in fungi to stop disease before it starts. It's an effective, low-use-rate* start to your spring disease management rotation.

*Common use rates for Verdato range between 0.25 and 0.5 fl oz/1000 sq ft. Always read and follow label instructions. OpteraPro Duo GC and PrimeTime are pending EPA registration.

Verdato™

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THE ANSWER TO YOUR #1 PRIORITY



MAINTAIN PRISTINE
SURFACE CONDITIONS



FIND SAVINGS ON
TIME & LABOR



APPLY WITH EASIER
CONVENIENCE

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