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.

NufarmInsider.com
At Nufarm, we know a better tomorrow takes more than quality solutions. That’s why we continue to improve our line of plant protection products. We’re also growing communities, educational opportunities, and friendships.

Learn how we can help you grow a better tomorrow.

NUFARMINSIDER.COM

**CELERO® SELECTIVE HERBICIDE**

**SUDDENLY, TOUGH KYLLINGA AND SEDGE AREN’T SO TOUGH**

**THE IDEAL SEDGE SOLUTION.**

Celero® translocates down to the roots to deliver superior control of the toughest sedge weeds, including Kyllinga. Labeled for both broadcast and spot treatment in cool- and warm-season turfgrass.

**COOL POWER® SELECTIVE HERBICIDE**

**HEAT UP WEED CONTROL IN COOL WEATHER CONDITIONS**

**EXTEND YOUR SPRAY SEASON.**

Cool Power® is ideal for dormant warm season turf and early season applications in transition zones. Cool Power combines three powerful herbicides to control many broadleaf weeds.

**ESCALADE® 2 SELECTIVE HERBICIDE**

**REDUCE CALLBACKS WITH QUICK VISUAL RESPONSE**

**TAKE DOWN TOUGH WEEDS FAST.**

Escalade® 2 combines three powerful active ingredients to quickly devastate more than 240 broadleaf weeds – including clover – and help reduce callbacks.
**4-Speed® XT**

4-Speed® XT herbicide combines 4 tough herbicides to deliver effective post-emergence control of broadleaf weeds in as little as 24 to 48 hours. Now available as a low odor formulation.

**KEY USES**
- Lawns, parks, cemeteries, athletic fields, golf courses (fairways, aprons, tees and rough), sod farms
- Roadsides, rights-of-way, non-crop areas, 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 (41.92%), dicamba (3.46%), pyraflufenethyl (0.067%)

**FORMULATION**
- liquid

**CHEM. FAMILY**
- phenoxy, pyridine, benzoic acid, phenylpyrazole

**SIGNAL WORD**
- caution

**PACKAGE SIZE**
- 12 x 1 qt, 5 x 1 gal, 2 x 2.5 gal, 30 gal

---

**Celero® Herbicide**

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**
- Nutsedge (purple, yellow), sedge (annual, cylindrical, green kyllinga)

**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®” Turf Herbicide**

Now from Nufarm, Certainty® 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), burwheat (lawn), buttercup, chamber bitter, chickweed (common), clover (white), cowfootgrass, dandelion, fescue (tall), garlic (wild), geranium (Carolina), ivy (ground), 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**
- sulfonylurea

**SIGNAL WORD**
- caution

**PACKAGE SIZE**
- 10 x 1.25 oz

---

**Change Up™**

Change Up™ premium 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 / ACRE**
- 2.0 – 3.0 pt (bluegrass, ryegrass, fescue)
- 1.25 pt (creeping bentgrass)
- 1.5 – 2.5 pt (bermudagrass, bahiagrass, carpetgrass, centipedegrass, zoysiagrass)
- 1.0 pt (St. Augustinegrass)

**EPA REG. NO.**
- 228-445

**HRAC NO.**
- 4

**ACTIVE INGR.**
- MCPA (41.68%), fluroxypyr (4.81%), dicamba (4.17%)

**FORMULATION**
- liquid

**CHEM. FAMILY**
- phenoxycarboxylic acid, pyridines, benzoic acids

**SIGNAL WORD**
- danger

**PACKAGE SIZE**
- 2 x 2.5 gal, 30 gal
**Cool Power**

**COOL POWER**

Cool Power® 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**
- 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 (12.6%)

**FORMULATION**
- Liquid

**CHEM. FAMILY**
- Cyclohexanedione

**SIGNAL WORD**
- Caution

**PACKAGE SIZE**
- 4 x 1 gal

---

**Envoy Plus**

**HERBICIDE**

Envoy Plus® 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 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**
- Black medic, buckhorn, chickweed, clover, dandelion, knotweed, lespedeza, mallow, oxalis, plantain, purslane, spurge, thistle, wild violet, woodsorrel
- (see label for complete list)

**RATE / 1000 SQ FT**
- 0.91 – 1.29 fl oz

**EPA REG. NO.**
- 228-313

**HRAC NO.**
- 4

**ACTIVE INGR.**
- MCPA (48.99%), triclopyr (5.59%), dicamba (4.82%)

**FORMULATION**
- Microemulsion

**CHEM. FAMILY**
- Phenoxylphatic acid, pyridine, benzoic acid

**SIGNAL WORD**
- Danger

**PACKAGE SIZE**
- 2 x 2.5 gal, 30 gal

---

**Horsepower**

**HORSEPOWER**

Horsepower® 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**
- 0.75 – 1.10 fl oz

**EPA REG. NO.**
- 228-442

**HRAC NO.**
- 4

**ACTIVE INGR.**
- 2,4-D (39.52%), fluroxypyr (5.9%), dicamba (4.1%)

**FORMULATION**
- Microemulsion

**CHEM. FAMILY**
- Phenoxycarboxylic acid, pyridine, benzoic acid

**SIGNAL WORD**
- Warning

**PACKAGE SIZE**
- 2 x 2.5 gal, 30 gal, 250 gal tote

---

**Escalade**

**SCALEADE 2**

Escalade® 2 combines three powerful active ingredients to quickly control more than 240 broadleaf weeds.

**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, wood sorrel
- (see label for complete list)

**RATE / 1000 SQ FT**
- 0.75 – 1.10 fl oz

**EPA REG. NO.**
- 228-317

**HRAC NO.**
- 4

**ACTIVE INGR.**
- MCPA (56.14%), triclopyr (5.0%), dicamba (3.6%)

**FORMULATION**
- Liquid

**CHEM. FAMILY**
- Phenoxylpyridine, benzoic acid

**SIGNAL WORD**
- Caution

**PACKAGE SIZE**
- 4 x 2.5 gal, 30 gal

---

**Manor**

**MANOR**

Manor® 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 / 1000 SQ FT**
- 0.003 – 0.02 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**
- 4 x 4 x 2 oz bottle per case
### Key Weeds Controlled

- **Quincept®**
  - Chickweed, clover, crabgrass, dandelion, foxtail, henbit, kochia, oxalis, spurge, thistle, wood sorrel
  - Rate / 1000 SQ FT: 2.57 – 2.94 fl oz
  - EPA REG. NO.: 228-332
  - HRAC NO.: 4
  - Active INGR.: 2,4-D (37.32%), clopyralid (2.54%), dicamba (4.65%)
  - Formulation: liquid
  - Chem. Family: phenoxy, benzoic, quinoline
  - Signal Word: caution
  - Package Size: 2 x 2.5 gal, 30 gal

- **SURE POWER™**
  - Black medic, chickweed, clover, dandelion, ground ivy, morning glory, plantain, spurge, wild violet, wood sorrel
  - Rate: Consult label
  - EPA REG. NO.: 228-332
  - HRAC NO.: 4 & 14
  - Active INGR.: 2,4-D (36.33%), triclopyr (3.63%), fluroxypyr (3.63%), flumioxazin (0.22%)
  - Formulation: suspoemulsion (SE) liquid
  - Chem. Family: phenoxyacetic acid, pyridine, N-phenylphthalimide
  - Signal Word: caution
  - Package Size: 2 x 2.5 gal

### Key Uses

- **Millennium® Ultra 2**
  - Residential and non-residential turfgrasses (established lawns, ornamental turfgrass, landscaped areas, commercial and residential turfgrass), non-turfgrass, sod farms
  - EPA REG. NO.: 228-332
  - HRAC NO.: 4
  - Active INGR.: 2,4-D (37.32%), clopyralid (2.54%), dicamba (4.65%)
  - Formulation: liquid
  - Chem. Family: phenoxyacetic acid, pyridine, benzoic acid
  - Signal Word: danger
  - Package Size: 2 x 2.5 gal, 30 gal

- **Triamine®**
  - Chickweed, dandelion, oxalis, plantain, spurge
  - Rate: Consult label
  - EPA REG. NO.: 228-178
  - HRAC NO.: 4
  - Active INGR.: 2,4-D (16.3%), mecoprop-P (8.2%), dichlorprop-P (0.1%)
  - Formulation: liquid
  - Chem. Family: phenoxy
  - Signal Word: danger
  - Package Size: 2 x 2.5 gal

### Additional Notes

- **NUFARM PROSEDGE® 2**
  - Nufarm Prosedge® 2 offers excellent selective control of yellow and purple nutsedge in turf and around woody ornamentals in landscaped areas.
  - EPA REG. NO.: 228-711
  - HRAC NO.: 2
  - Active INGR.: halosulfuron-methyl (75.0%)
  - Formulation: water-soluble granule
  - Chem. Family: sulfonylurea
  - Signal Word: caution
  - Package Size: 10 x 1.33 oz bottle

- **SURE POWER™**
  - Sure Power™ is a new standard in herbicide power, providing swift early-season and late-season control to strike down more than 250 challenging broadleaf weeds.
  - EPA REG. NO.: 228-531
  - HRAC NO.: 4
  - Active INGR.: 2,4-D (13.24%), quinclorac (8.25%), dicamba (1.38%)
  - Formulation: liquid
  - Chem. Family: phenoxy, benzoic, quinoline
  - Signal Word: caution
  - Package Size: 2 x 2.5 gal, 30 gal

### Additional Information

- **Quincept®**
  - Quincept® herbicide combines the ideal ratio of active ingredients to deliver outstanding results on crabgrass and other annual grass weeds and more than 200 broadleaf weeds.

- **SURE POWER™**
  - Sure Power™ is a new standard in herbicide power, providing swift early-season and late-season control to strike down more than 250 challenging broadleaf weeds.

- **Triamine®**
  - Triamine® is a liquid three-way amine formulation that controls a wide range of broadleaf weeds.

### Signal Words

- **Caution**
- **Danger**

### Package Sizes

- 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 (47.33%), mecoprop-p (8.17%), dicamba (2.3%)

**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, yarrow (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 (30.56%), mecoprop-p (8.17%), dicamba (2.77%)

**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 (40.42%), MCPP-p (7.99%), dicamba (3.97%)

**FORMULATION**
liquid

**CHEM. FAMILY**
phenoxy, benzoic acid

**SIGNAL WORD**
danger

**PACKAGE SIZE**
2 x 2.5 gal, 30 gal

---

**BroadStar™ Herbicide**

BroadStar™ is a pre-emerge granular herbicide that controls a wide range of broadleaf and grassy weeds with long residual control.

**KEY USES**
Commercial and residential landscapes, container and field grown ornamentals, non-bearing fruit and nut trees and vines, non-crop areas in apartment complexes, parks, recreational areas, sidewalks, golf courses and other similar sites

**KEY WEEDS CONTROLLED**
Bittercress, chickweed, common groundsel, liverwort, oxalis, spurge (see label for complete list)

**RATE / 1000 SQ FT**
3.5 lb

**RATE / ACRE**
150.0 lb

**EPA REG. NO.**
59639-128

**HRAC NO.**
14

**ACTIVE INGR.**
flumioxazin (0.25%)

**FORMULATION**
granule

**CHEM. FAMILY**
N-phenylphthalimide

**SIGNAL WORD**
cautions

**PACKAGE SIZE**
50 lb bag

---

**Nufarm Double O™ SPC**

Double O™ SPC

Keep landscape ornamentals free from a broad range of weeds for up to three months with this low-odor and low-dust granular formulation.

**KEY USES**
Landscape ornamentals, field grown ornamentals and labeled Christmas trees, cut flower, foliage crops

**KEY WEEDS CONTROLLED**
Chickweed, clover, crabgrass, dandelion, groundsel, lambsquarters, oxalis, pigweed, shepherd’s-purse, spurge (see label for complete list)

**RATE / 1000 SQ FT**
2.3 lb

**RATE / ACRE**
100.0 lb

**EPA REG. NO.**
228-632

**HRAC NO.**
3 & 14

**ACTIVE INGR.**
oxyluflouren (2.0%), oryzalin (1.0%)

**FORMULATION**
granule

**CHEM. FAMILY**
diphenylether, dinitroaniline

**SIGNAL WORD**
cautions

**PACKAGE SIZE**
50 lb bag
**SureGuard® SC HERBICIDE**

SureGuard® SC delivers the same lasting residual control as SureGuard® in a new convenient liquid formulation. 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.

**SUREGUARD® SC HERBICIDE**

<table>
<thead>
<tr>
<th>EPA REG. NO.</th>
<th>71368-114</th>
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<tr>
<td>HRAC NO.</td>
<td>14</td>
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</tbody>
</table>

**ACTIVE INGR.**
flumioxazin (44%)

**FORMULATION**
liquid

**CHEM. FAMILY**
N-phenylphthalimide

**SIGNAL WORD**
no signal word required

**PACKAGE SIZE**
8 x 1 pt, 4 x 64 oz

---

**KEY WEEDS CONTROLLED**
Bittercress, chickweed, common groundsel, oxalis, spurge (see label for complete list)

**RATE / ACRE**
8.0 – 12.0 fl oz

---

**SUREGUARD® SC HERBICIDE** delivers the same lasting residual control as SureGuard® in a new convenient liquid formulation. Plus, it enhances the speed and spectrum of glyphosate when used as a tank mix partner, even on resistant weeds.

**KEY USED**
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.

---

**NEW SURE POWER™ SELECTIVE HERBICIDE**

Provides early- and late-season control to strike down more than 250 broadleaf weeds. In fact, broad-spectrum Sure Power delivers excellent control of ground ivy and wild violet.

**SEE THE RESULTS // nufarminsider.com/surepower**
## ProDeuce®

**Eliminates existing weeds and prevents new growth in cracks and crevices, along fences and foundations and throughout gravel areas. Can also be used on tree rings.**

**Key Weeds Controlled**
- Many annual and perennial weeds and woody brush
  (see label for complete list)

**Rate**
- Consult label

**Use**
- Industrial, forestry, turf, vegetation management, ornamentals

### ProDeuce® Details

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<tbody>
<tr>
<td>228-509</td>
<td>3 &amp; 9</td>
<td>Glyphosate (40.15%), Prodiamine (7.51%)</td>
<td>Liquid</td>
<td>Glycine Derivative, Dinitroaniline</td>
<td>Caution</td>
<td>8 x 64 oz squeeze-and-pour, 4 x 1 gal, 2 x 2.5 gal</td>
</tr>
</tbody>
</table>

## Razor®

**Razor® is a water-soluble glyphosate formulation for broad-spectrum non-selective control of hard-to-kill weeds.**

**Key Weeds Controlled**
- Many annual and perennial weeds and woody brush
  (see label for complete list)

**Rate**
- Consult label

**Use**
- Industrial, forestry, turf, vegetation management, ornamentals

### Razor® Details

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<tbody>
<tr>
<td>228-366</td>
<td>9</td>
<td>Glyphosate (41.0%)</td>
<td>Liquid</td>
<td>Glycine Derivative</td>
<td>Caution</td>
<td>8 x 64 oz squeeze-and-pour, 4 x 1 gal</td>
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</table>

## Razor® Burn®

**Razor® Burn® non-selective post-emergence herbicide combines the fast contact activity of diquat with the systemic control of glyphosate in one high-performance liquid formulation.**

**Key Weeds Controlled**
- Many annual and perennial weeds and woody brush
  (see label for complete list)

**Rate**
- Consult label

**Use**
- General non-crop areas and industrial sites, dormant turfgrass, turfgrass renovation (except for commercial sod farms), parks, recreational and residential areas

### Razor® Burn® Details

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<tr>
<td>228-446</td>
<td>9 &amp; 22</td>
<td>Glyphosate (41.0%), Diquat Dibromide (2.1%)</td>
<td>Liquid</td>
<td>Glycine Derivative, Bipyridyl</td>
<td>Caution</td>
<td>8 x 64 oz squeeze-and-pour, 4 x 1 gal</td>
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## Razor® Pro

**This fully-loaded glyphosate formulation offers non-selective weed control in a broad range of settings.**

**Key Weeds Controlled**
- Many annual and perennial weeds and woody brush
  (see label for complete list)

**Rate**
- Consult label

**Use**
- Industrial sites, forestry, turf, vegetation management, ornamental weed control

### Razor® Pro Details

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<tbody>
<tr>
<td>228-366</td>
<td>9</td>
<td>Glyphosate (41.0%)</td>
<td>Liquid</td>
<td>Glycine Derivative</td>
<td>Caution</td>
<td>5 x 1 gal, 2 x 2.5 gal, 30 gal, 250 gal</td>
</tr>
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**Non-Selective Herbicide Solutions**

This guide is intended to provide a product overview. See product labels for complete details and labeled use listing.
**AQUATIC HERBICIDE SOLUTIONS**

### Aqua Neat

**AQUA NEAT**
- Controls nearly 200 species of emerged weeds, including a wide range of broadleaf weeds, sedges and grasses, in and around flowing or stagnant fresh water and estuaries or brackish water.
- **KEY USES**
  - Aquatic sites (industrial, recreational and public areas), wildlife habitat restoration and management areas

**KEY WEEDS CONTROLLED**
- Alder, blackberry, brome, cattail, kudzu, nutsedge, orchardgrass, panicum, poison ivy, poison oak, ragweed, reed, salt cedar, thistle, timothy, waterprimrose, willow (see label for complete list)

**RATE**
- Consult label

**EPA REG. NO.** 228-365  
**HRAC NO.** 9
**ACTIVE INGR.** glyphosate (53.8%)  
**FORMULATION** liquid  
**CHEM. FAMILY** glycine derivative  
**SIGNAL WORD** caution  
**PACKAGE SIZE** 2 x 2.5 gal, 30 gal, 250 gal tote, bulk

### AquaSweep™

**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**
- 1.1 – 1.33 fl oz (bahiagrass, bluegrass, common bermudagrass, fescue, ryegrass, zoysiagrass)
- 0.67 fl oz (bentgrass)

**EPA REG. NO.** 228-316  
**HRAC NO.** 4
**ACTIVE INGR.** 2,4-D (34.2%), triclopyr (15.2%)  
**FORMULATION** liquid  
**CHEM. FAMILY** phenoxy, pyridine  
**SIGNAL WORD** danger  
**PACKAGE SIZE** 5 x 1 gal, 2 x 2.5 gal, 30 gal

### Nufarm Diquat SPC 2L

**NUFARM DIQUAT SPC 2L**
- Nufarm Diquat SPC 2L herbicide provides non-selective control of aquatic and terrestrial plants in 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, hydriella, pennypwort, 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 dibromide (37.3%)  
**FORMULATION** liquid  
**CHEM. FAMILY** bipyridylium  
**SIGNAL WORD** caution  
**PACKAGE SIZE** 8 x 1 pt, 4 x 64 oz

### SureGuard SC

**SUREGUARD® SC**
- SureGuard SC delivers the same lasting residual control as SureGuard in a new convenient liquid formulation. Plus, it enhances the speed and spectrum of glyphosate when used as a tank mix partner, even on resistant weeds.
- **KEY USES**
  - For the management of undesirable aquatic vegetation in slow moving or quiescent waters and can be applied in many settings including bayous, drainage ditches, lakes, marshes, ponds (including golf courses) and reservoirs

**KEY WEEDS CONTROLLED**
- Alligatorweed, cabomba, coontail, curlyleaf, pondweed, duckweed, Eurasian watermilfoil, fanwort, filamentous algae, frog’s bit, hydridra, pondweed, sago pondweed, water fern, water lettuce, water pennypwort, watermeal, variable-leaf watermilfoil (see label for complete list)

**RATE / ACRE**
- 8.0 – 12.0 fl oz

**EPA REG. NO.** 71368-114  
**HRAC NO.** 14
**ACTIVE INGR.** flumioxazin (44%)  
**FORMULATION** liquid  
**CHEM. FAMILY** N-phenylphthalimide  
**SIGNAL WORD** no signal word required  
**PACKAGE SIZE** 8 x 1 pt, 4 x 64 oz
### Aloft® LC Insecticide

**Aloft® LC Insecticide**

With preventive and curative control, one application of Aloft® Insecticide effectively combats insect pests. Prevent troublesome surface- and soil-feeding turf pests - including white grubs - with a single early treatment or knock down existing adult and surface feeding pests.

**Key Uses**
- Airports, arboretums and non-production greenhouses, athletic fields, business and industrial complexes, cemeteries, industrial complexes, recreation areas, residences

---

### Arena® 0.25 G Insecticide

**Arena® 0.25 G Insecticide**

Arena® 0.25 G 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

---

### Arena 50 WDG Insecticide

**Arena 50 WDG Insecticide**

Arena® 50 WDG 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

---

### Nufarm Chlorpyrifos SPC 4

**Nufarm Chlorpyrifos SPC 4**

Achieve consistent, proven control of more than 200 destructive pests with Nufarm Chlorpyrifos SPC 4.

**Key Uses**
- Turf and other non-residential outdoor uses, ornamentals

---

Nufarm Chlorpyrifos SPC 4 Insecticide is an EPA Restricted-Use Pesticide. Always read and follow label directions.
# DiPel PRO DF

**DiPel PRO DF**

The most widely used biological insecticide in the world, DiPel PRO DF 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

---

# Distance

**INSECT GROWTH REGULATOR**

**Distance IGR**

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

### Key Pests Controlled
- Fungus gnats, leafminers, scales, shore flies, whiteflies (see label for complete list)

### Rate / 100 Gal
- 6.0 - 12.0 fl oz

### EPA Reg. No.
- 59639-96

### IRAC No.
- 7D

### Active Ingr.
- Pyriproxyfen (11.23%)

### Formulation
- Liquid

### Chem. Family
- Juvenile hormone mimic

### Signal Word
- Caution

### Package Size
- 4 x 1 qt tip-n-pour

---

# Mallet 0.5 G

**Mallet 0.5 G**

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

### 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**

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

### 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 (21.4%)

### Formulation
- Liquid

### Chem. Family
- Neonicotinoid

### Signal Word
- Caution

### Package Size
- 4 x 1 gal, 2 x 2.5 gal

---

# Minx 2

**Minx 2**

Minx 2 Insecticide delivers quick and easy broad-spectrum mite and leafminer control in a 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 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 (2.0%)

### Formulation
- Emulsifiable microemulsion

### Chem. Family
- Avermectin

### Signal Word
- Caution

### Package Size
- 4 x 1 qt, 4 x 1 gal
**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, psyllids, strawberry weevils, thrips, whiteflies (see label for complete list)

**RATE / 100 GAL**

4.0 – 25.3 fl oz

**ACTIVE INGR.**

dinotefuran (20%)

**CHEM. FAMILY**

neonicotinoid

**SIGNAL WORD**

caution

**PACKAGE SIZE**

8 x 4 oz (tip-n-pour), 4 x 1 qt, 4 x 1 gal

---

**Tame® 2.4 EC SPRAY INSECTICIDE - MITICIDE**

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

**KEY USES**

Indoor and outdoor ornamental and nursery plantings

**TetraSan® 5 WDG**

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

**SAFARI® 20 SG INSECTICIDE**

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 tree fruit, nut, and vines

**NOTES**

This guide is intended to provide a product overview. See product labels for complete details and labeled use listing.
FIGHT BACK | CONQUER EMERALD ASH BORERS (EAB)

IT’S TRUE
SAFARI IS THE EAB CONTROL PRODUCT OF CHOICE

THE ONLY ACTIVE INGREDIENT LABELED FOR BASAL TRUNK SPRAY ON EAB

PREVENTIVE & CURATIVE NON-INJURIOUS WITHOUT TREE INJURY
SUPER-SYSTEMIC CONTROL ABSORBS FAST THROUGH BARK

EASY APPLICATION

FANTASTIC TREATMENT

COST REDUCED

EASY APPLICATION

MINIMAL TRAINING SIMPLE CALIBRATION

TREAT MOST TREES IN LESS THAN 2 MINUTES

LESS LABOR EASY CLEAN UP KEEP NATURAL BEAUTY

APPLY 1X PER YEAR

PLUS, SAFARI OFFERS AN EXTENDED APPLICATION WINDOW

FAST & LASTING EAB CONTROL

WORKS WITHIN 2 WKS PROTECTS 1 YR

CONTROLS EAB ADULTS & LARVAE & OTHER UNWANTED PESTS

RESIDENTIAL COMMERCIAL TURF LANDSCAPE ORNAMENTALS Golf Turf Pre-Emerge Post-Emerge Sod Farms Aquatic Restricted-Use
Anuew™

Anuew™ is a new and unique 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
- Reduces mowing frequency and clippings
- Improves turf quality, density and appearance
- Longer plant activity supports consistent growth management
- Does not require iron or masking agents
- Low use rates in convenient packaging
  (see label for complete list)

RATE
Consult label

EPA REG. NO.    1001-91
ACTIVE INGR.   prohexadione calcium (27.5%) FORMULATION extruded granule
CHEM. FAMILY acyclhexadiones SIGNAL WORD caution
PACKAGE SIZE  4 x 4 x 1.5 lb resealable pouch
26/36° Fungicide

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

**KEY USES**
Ornamentals, turfgrass grown in golf courses and institutional areas

**KEY DISEASES CONTROLLED**
Anthracnose, 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)

<table>
<thead>
<tr>
<th>RATE / 1000 SQ FT</th>
<th>1.0 - 8.0 fl oz (turf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RATE / ACRE</td>
<td>33.0 - 84.0 fl oz (orn)</td>
</tr>
<tr>
<td>RATE / 100 GAL</td>
<td>13.5 - 66.0 fl oz (drench)</td>
</tr>
</tbody>
</table>

**EPA REG. NO.** 228-430
**ACTIVE INGR.** iprodione (19.65%), thiophanate-methyl (19.65%)
**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**
Commercial and residential turfgrass, annual and perennial flowers, bedding and foliage plants, groundcovers, deciduous and evergreen trees and shrubs, 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)

<table>
<thead>
<tr>
<th>RATE / 1000 SQ FT</th>
<th>1.5 - 9.0 lb (turf)</th>
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</thead>
<tbody>
<tr>
<td>RATE / 100 GAL</td>
<td>22.0 - 30.0 lb (orn)</td>
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**EPA REG. NO.** 1001-70
**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**
Commercial and residential turfgrass, annual and perennial flowers, bedding and foliage plants, groundcovers, deciduous and evergreen trees and shrubs, 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)

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<tr>
<th>RATE / 1000 SQ FT</th>
<th>2.0 - 6.0 oz (turf)</th>
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<td>RATE / 100 GAL</td>
<td>8.0 - 24.0 oz (orn)</td>
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**EPA REG. NO.** 1001-89
**ACTIVE INGR.** thiophanate-methyl (50%)
**FORMULATION** water-dispersible 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**
Commercial and residential turfgrass, annual and perennial flowers, bedding and foliage plants, groundcovers, deciduous and evergreen trees and shrubs, 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)

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**EPA REG. NO.** 1001-69
**ACTIVE INGR.** thiophanate-methyl (41.25%)
**FORMULATION** flowable
**CHEM. FAMILY** benzimidazole
**SIGNAL WORD** caution
**PACKAGE SIZE** 12 x 1 qt, 2 x 2.5 gal

26/36° DG Lite

26/36° 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**
Commercial and residential turfgrass, annual and perennial flowers, bedding and foliage plants, groundcovers, deciduous and evergreen trees and shrubs, golf courses (fairways, greens, tees), athletic fields, parks

**KEY DISEASES CONTROLLED**
Anthracnose, 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)

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**EPA REG. NO.** 228-430
**ACTIVE INGR.** iprodione (19.65%), thiophanate-methyl (19.65%)
**FORMULATION** flowable
**CHEM. FAMILY** dicarboximide, benzimidazole
**SIGNAL WORD** caution
**PACKAGE SIZE** 2 x 2.5 gal

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**
Commercial and residential turfgrass, annual and perennial flowers, bedding and foliage plants, groundcovers, deciduous and evergreen trees and shrubs, 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)

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

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**
Commercial and residential turfgrass, annual and perennial flowers, bedding and foliage plants, groundcovers, deciduous and evergreen trees and shrubs, 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)

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**EPA REG. NO.** 1001-69
**ACTIVE INGR.** thiophanate-methyl (41.25%)
**FORMULATION** flowable
**CHEM. FAMILY** benzimidazole
**SIGNAL WORD** caution
**PACKAGE SIZE** 12 x 1 qt, 2 x 2.5 gal
**Adorn® Fungicide**

**Adorn® Fungicide**

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

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**Affirm™ WDG**

**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)

---

**Alude™ Fungicide**

**Alude™ Fungicide**

With true systemic mobility, Alude™ fungicide provides effective control of various plant diseases. Alude enhances plant’s natural defense mechanisms and decreases plant stress.

**KEY USES**

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

---

**Pinpoint® Fungicide**

**Pinpoint® Fungicide**

Pinpoint® Fungicide is formulated with a new 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

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**Actinovate® SP Fungicide**

**Actinovate® SP Fungicide**

Actinovate® SP Biological Fungicide suppresses and controls root rot, damping-off fungi and foliar fungal pathogens. When used as a soil drench, it also suppresses and controls soil-borne fungi including Fusarium, Rhizoctonia, Pythium, Phytophthora, Phytophthora, Pythium, Cladosporium, and Verticillium.

**KEY USES**

Turfgrass and turf landscapes, ornamentals and interiorscapes, golf courses (fairways, roughs, greens, tees), athletic fields, parks, sod farms, seed production

---

**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.** 73314-1  **FRAC NO.** 25  **ACTIVE INGR.** Streptomyces lydicus WYEC 108 (0.0371%)

**FORMULATION** soluble powder  **CHEM. FAMILY** glucopyranosyl antibiotic  **SIGNAL WORD** caution  **PACKAGE SIZE** 12 x 18 oz bag

---

**EPA REG. NO.** 59639-141  **FRAC NO.** 43  **ACTIVE INGR.** fluopicolide (39.5%)

**FORMULATION** flowable  **CHEM. FAMILY** pyridine  **SIGNAL WORD** caution  **PACKAGE SIZE** 12 x 1 qt bottle

---

**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** 4 x 0.5 lb resealable bag, 3 x 2.4 lb resealable bag

---

**EPA REG. NO.** 55146-83  **FRAC NO.** 33  **ACTIVE INGR.** mono- and dibasic sodium, potassium and ammonium phosphites (53.6%)

**FORMULATION** liquid  **CHEM. FAMILY** phosphites  **SIGNAL WORD** caution  **PACKAGE SIZE** 2 x 2.5 gal

---

**EPA REG. NO.** 59639-199  **FRAC NO.** 11  **ACTIVE INGR.** mandestrobin (43.4%)

**FORMULATION** liquid (4SC)  **CHEM. FAMILY** strobilurin  **SIGNAL WORD** caution  **PACKAGE SIZE** 4 x 60 fl oz bottle
**Protect™ DF**

Protec®™ 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**
Consult label

**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

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**Spectro® 90 WDG**

Spectro® 90 WDG combines two broad-spectrum fungicides to deliver contact and systemic protection. It prevents and controls disease in turf, annual and perennial flowers, as well as bedding plants, groundcovers and trees and shrubs.

**KEY USES**
Cool- and warm-season turfgrasses on golf courses, more than 110 ornamental species including: annual and perennial flowers, bedding and foliage plants, groundcovers, deciduous and evergreen trees and shrubs

**KEY DISEASES CONTROLLED**
Anthracnose, brown patch, copper spot, dollar spot, downy mildew, Fusarium blight/patch, gray leaf spot, gray snow mold, leaf spot, melting out, powdery mildew, red thread, snow mold (see label for complete list)

**RATE**
Consult label

**EPA REG. NO.** 1001-72  **FRAC NO.** 1 & M5
**ACTIVE INGR.** chlorothalonil (72.0%), thiophanate-methyl (18.0%)
**FORMULATION** water-dispersible granule
**CHEM. FAMILY** chloronitrile, thiophanate
**SIGNAL WORD** danger
**PACKAGE SIZE** 4 x 5 lb, 24 lb pail

---

**Spotrete™ F**

Spotrete™ F offers a different mode of action to battle disease resistance management issues. Labeled for cool- and warm-season turfgrass disease control.

**KEY USES**
Turfgrass, animal repellency (shrubs, ornamentals)

**KEY DISEASES CONTROLLED**
Brown patch, copper spot, dollar spot, gray snow mold, leaf spot, melting out, pink snow mold, red thread, rust (see label for complete list)

**RATE**
Consult label

**EPA REG. NO.** 45728-26-1001  **FRAC NO.** M3
**ACTIVE INGR.** thiram (44.0%)
**FORMULATION** flowable
**CHEM. FAMILY** dithiocarbamate
**SIGNAL WORD** caution
**PACKAGE SIZE** 2 x 2.5 gal

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**Stellar®**

Stellar® is a unique fungicide premix that offers excellent control of Pythium due to its novel and synergistic mode of action.

**KEY USES**
Golf courses, sod farms

**KEY DISEASES CONTROLLED**
Pythium blight, Pythium damping off (see label for complete list)

**RATE / 1000 SQ FT**
1.2 fl oz

**EPA REG. NO.** 59639-143  **FRAC NO.** 28 & 43
**ACTIVE INGR.** propamocarb hydrochloride (55.4%), fluopicolide (5.54%)
**FORMULATION** liquid
**CHEM. FAMILY** pyridine, benzamide
**SIGNAL WORD** caution
**PACKAGE SIZE** 4 x 104 oz bottle

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**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 (14.3%)
**FORMULATION** microemulsion concentrate
**CHEM. FAMILY** triazole
**SIGNAL WORD** warning
**PACKAGE SIZE** 2 x 2.5 gal
**Torque™**

**KEY DISEASES CONTROLLED**
Anthracnose, Cercospora, powdery mildew, Rhizoctonia (see label for complete list)

**RATE / 1000 SQ FT**
0.6 - 1.1 fl oz (turf)

**RATE / 100 GAL**
4.0 - 10.0 fl oz (orn)

**EPA REG. NO.** 1001-87
**FRAC NO.** 3
**ACTIVE INGR.** tebuconazole (38.7%)
**FORMULATION** liquid suspension
**CHEM. FAMILY** triazole
**SIGNAL WORD** caution
**PACKAGE SIZE** 5 x 1 gal

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

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**Tourney® Fungicide**

**KEY DISEASES CONTROLLED**
Anthracnose, brown patch and other patch diseases, dollar spot, fairy ring, gray leaf spot, snow mold (see label for complete list)

**RATE / 1000 SQ FT**
0.18 - 0.44 oz (turf)

**RATE / 100 GAL**
2.0 - 4.0 oz (orn)

**EPA REG. NO.** 59639-144
**FRAC NO.** 3
**ACTIVE INGR.** metconazole (50%)
**FORMULATION** water-dispersible granule
**CHEM. FAMILY** triazole
**SIGNAL WORD** caution
**PACKAGE SIZE** 4 x 5 lb

**KEY USES**
Commercial and residential landscapes, golf courses, non-bearing trees, outdoor woody ornamentals, recreational areas, sod farms

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This guide is intended to provide a product overview. See product labels for complete details and labeled use listing.
| DISEASE           | SYMPTOM                                | 26|36* | 33|36 Eg | 33|36 F | ACTINOVA® | 33|36 DG LITE® | AUL® | AFFIRM® | PINPOINT® | PROTECT® DF | SPECTRO® 90 | STELLAR® | STRIDER® | TORQUE® | TOURNEY® |
|-------------------|----------------------------------------|----|-----|-----|-------|-----|------|----------|------------|-----|---------|-----------|-------------|-------------|----------|----------|---------|---------|
| 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      | N/A     |
| Anthracnose       | large leaf spots                        | N/A| **  | N/A | **    | N/A | **   | N/A      | N/A         | N/A | **      | **        | **          | **           | **      | ***      | ***     |
| Brown Patch       | 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         | N/A      | N/A      | N/A     |
| Decline           | numerous little spots                   | N/A| **** | **** | ****  | **  | N/A  | N/A      | N/A         | **** | **      | N/A        | *****        | *****       | **      | **       | **      |
| Dollar Spot       | dead or green rings                     | N/A| N/A | N/A | N/A   | N/A | **** | N/A      | ****        | **** | **      | **         | **           | **          | ****    | **       | **      |
| Fairy Ring        | gray or black leaf spots                | ** | **** | **** | ****  | **  | N/A  | N/A      | N/A         | **** | N/A     | **         | **           | **          | **      | **       | **      |
| Helminthosporium  | greasy spots/areas                      | ** | **  | **  | N/A   | N/A | **** | N/A      | **          | **** | *       | **         | N/A          | N/A         | N/A      | N/A      | N/A     |
| Curvularia        | roundish areas with yellow ring         | **** | **** | **** | ****  | N/A | **** | N/A      | **          | **** | **      | **         | **           | **          | **      | **       | **      |
| Melting Out       | similar to Helminthosporium             | **** | N/A | N/A | N/A   | N/A | **** | N/A      | **          | **** | *       | **         | N/A          | N/A         | N/A      | N/A      | N/A     |
| Mini Ring         | 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      | 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     |
| Red Thread        | redish circular patches                 | **** | **  | N/A | *     | N/A | **** | N/A      | **          | **** | **      | **         | **           | **          | **      | **       | **      |
| Take All Patch    | light yellow leaf blades                | 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      | **          | **** | **      | **         | **           | **          | **      | **       | **      |
| Yellow Patch      | roundish areas with yellow ring         | **** | **** | **** | ****  | 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.
*Cleary Chemical, LLC is a wholly owned subsidiary of Nufarm.
ONE NATION, MADE GREENER

Growing a better tomorrow means stepping up to make a difference. At Nufarm, we develop quality plant solutions to protect your livelihood. And we serve as the leading sponsor of GreenCare for Troops to support military families.

THANK YOU FOR MAKING A DIFFERENCE, TOO.

Nufarm delivers complete plant protection, including ARENA® // CELERO® // ESCALADE® 2 // SURE POWER™