

# Crop Protection Portfolio

## Product Guide

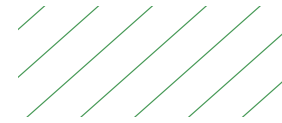


As a leader in crop protection products, we balance innovation and improvement in efficiency and simplicity to bring you a focused product portfolio that saves time and delivers results.

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# THE FUTURE OF 2,4-D HAS ARRIVED



**Weedar<sup>®</sup> XHL Herbicide** is a 2,4-D evolution powered by Dual Salt Technology™ to help you accomplish more. This versatile standout delivers excellent stability and tank-mix compatibility even at low temperatures, along with low odor, low volatility and efficacy against a wide spectrum of broadleaf weeds. Gain a 7-14 day preplant interval\* for soybeans and corn — plus **37% more treated acres with every gallon.**



The evolution of 2,4-D  
[nufarm.com/uscrop/xhl](https://nufarm.com/uscrop/xhl)



**BROMOXYNIL** Fast and cost-effective broadleaf weed control

## Maestro® Advanced

Maestro® Advanced is an emulsifiable concentrate post-emergence herbicide that offers control of tough broadleaf weeds in several cereal crops including wheat, barley, oats, rye and flax. Maestro Advanced can also be applied to grasses grown for seed or sod production.

<b>EPA REG. NO.</b>	71368-77		
<b>ACTIVE INGR.</b>	MCPA ester (40% / 2.5 lb ae/gal), bromoxynil (2.5 lb/gal): octanoic acid ester (18.7%), heptonic acid ester (18.1%)		
<b>FORMULATION</b>	liquid		
<b>CHEM. FAMILY</b>	nitrile, phenoxy		
<b>GROUP NO.</b>	6 and 4	<b>REI</b>	24 hours
<b>SIGNAL WORD</b>	caution		
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 250 gal tote		

### KEY PERFORMANCE BENEFITS

- Utilizes mixed esters of bromoxynil in combination with MCPA ester
- Takes on the toughest weeds with quick burndown and complete control
- Excellent tank-mix compatibility, even in hard water environments

### KEY USES

Barley, flax, oat, rye

### KEY WEEDS CONTROLLED

Common tarweed, field pennycress, green smartweed, jimsonweed, lambsquarters, London rocket, marshelder, nightshade, Pennsylvania smartweed, pigweed, Russian thistle, shepherd's-purse, sunflower, wild buckwheat, wild mustard  
(see label for complete list)

## Maestro® 2EC

Maestro® 2EC is a 33.4% bromoxynil formulation that provides control of a variety of difficult broadleaf weeds in corn, sorghum, wheat, non-crop and many other crops and uses.

<b>EPA REG. NO.</b>	71368-29		
<b>ACTIVE INGR.</b>	bromoxynil (2 lb/gal): octanoic acid ester (33.4%)		
<b>FORMULATION</b>	liquid		
<b>CHEM. FAMILY</b>	nitrile		
<b>GROUP NO.</b>	6	<b>REI</b>	24 hours
<b>SIGNAL WORD</b>	warning		
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case)		

### KEY PERFORMANCE BENEFITS

- Controls more than 40 tough broadleaf weeds
- No weed resistance issues
- Compatible with many grass and broadleaf herbicides
- Flexible application options

### KEY USES

Alfalfa (seedling), barley, corn, flax, garlic, mint, oat, onion (dry bulb), rye, sorghum (grain and forage), triticale

### KEY WEEDS CONTROLLED

Annual sowthistle, buffalobur, field pennycress, groundsel, hemp sesbania, jimsonweed, ladythumb, lambsquarters, London rocket, nightshade, prostrate knotweed, puncturevine, ragweed, Russian thistle, shepherd's-purse, velvetleaf, Venice mallow  
(see label for complete list)

## Maestro® 4EC

Maestro® 4EC offers growers excellent control of more than 50 broadleaf weeds including cocklebur, common lambsquarters, morningglory and velvetleaf. This fast acting post-emergence herbicide can be used as a stand-alone product or in tank-mix combinations.

<b>EPA REG. NO.</b>	71368-78		
<b>ACTIVE INGR.</b>	bromoxynil (4 lb/gal): octanoic acid ester (28%), heptonic acid ester (27%)		
<b>FORMULATION</b>	liquid		
<b>CHEM. FAMILY</b>	nitrile		
<b>GROUP NO.</b>	6	<b>REI</b>	24 hours
<b>SIGNAL WORD</b>	warning		
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case)		

### KEY PERFORMANCE BENEFITS

- Contains a proprietary mixed-ester formulation of bromoxynil
- Less product to store and handle
- Controls more than 50 tough broadleaf weeds
- Can be applied by ground or aerial application or through sprinkler irrigation equipment
- 30 day interval for rotational crops
- Compatible with many grass and broadleaf herbicides

### KEY USES

Alfalfa (seedling), barley, corn, flax, garlic, mint, oat, onion (dry bulb), rye, sorghum (grain and forage), triticale

### KEY WEEDS CONTROLLED

Annual sowthistle, buffalobur, field pennycress, groundsel, hemp sesbania, jimsonweed, ladythumb, lambsquarters, nightshade, prostrate knotweed, puncturevine, ragweed, Russian thistle, shepherd's-purse, velvetleaf, Venice mallow, woolly croton  
(see label for complete list)

# Maestro® MA

Maestro® MA is a convenient premix formulation of bromoxynil and MCPA ester that provides control of certain broadleaf weeds in small grains (wheat, barley, oats, and rye). Also applicable in Conservation Reserve Program (CRP) areas.

<b>EPA REG. NO.</b>	71368-28
<b>ACTIVE INGR.</b>	bromoxynil: octanoic acid ester (31.7% / 2 lbs/gal), MCPA ester (31.2% / 2 lbs ae/gal)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	nitrile, phenoxy
<b>GROUP NO.</b>	4 and 6 <b>REI</b> 12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 30 gal drum, 265 gal tote, bulk

## KEY PERFORMANCE BENEFITS

- Multi-season applications
- Ground, aerial, and sprinkler application options
- Convenient premix formulation of bromoxynil and MCPA ester

## KEY USES

Barley, flax, oat, rye, wheat and CRP areas

## KEY WEEDS CONTROLLED

Annual sowthistle, cowcockle, field pennycress, groundsel, hemp sesbania, henbit, jimsonweed, knawel, Kochia, lambsquarters, mustard, nightshade, puncturevine, Russian thistle, shepherd's-purse, smooth pigweed, tarweed, velvetleaf, wild buckwheat, yellow rocket  
(see label for complete list)

**SULFONYLUREA** Low-dose, selective choice for broad-spectrum control

# Cloak

Cloak® offers soybean growers selective burndown and residual control of many broadleaf weeds and partial control of nutsedge and annual grasses. Cloak contains two active ingredients with different modes of action and offers flexible application options.

<b>EPA REG. NO.</b>	71368-83
<b>ACTIVE INGR.</b>	metribuzin (64.3%), chlorimuron ethyl (10.7%)
<b>FORMULATION</b>	dispersible granule
<b>CHEM. FAMILY</b>	triazine, sulfonylurea
<b>GROUP NO.</b>	5 and 2 <b>REI</b> 12 hours
<b>SIGNAL WORD</b>	warning
<b>PACKAGE SIZE</b>	5 lb bag (8 per case)

## KEY PERFORMANCE BENEFITS

- Helps maximize yield by providing full-season control of tough broadleaf weeds
- Offers burndown and residual activity
- Two modes of action to help prevent resistance development
- Flexible application options:  
no-till, reduced-till, stale seedbed or conventional production

## KEY USES

Soybeans

## KEY WEEDS CONTROLLED

Cocklebur, copperleaf hophornbeam, Florida beggarweed, giant sicklepod, hemp sesbania, henbit, jimsonweed, ladysthumb, lambsquarters, marestalk, morningglory, mustard, pigweed, prickly sida (teaweed), purslane, ragweed, smartweed, spurge, sunflower, velvetleaf  
(see label for complete list)

# Cloak® EX

Cloak® EX controls tough weeds like henbit, marestalk and pigweed and offers powerful residual control to keep fields clean. Cloak EX fits perfectly in no-till or conservation tillage fields. It can be applied from fall through early spring for burndown of winter annuals and perennial weeds.

<b>EPA REG. NO.</b>	71368-84
<b>ACTIVE INGR.</b>	chlorimuron ethyl (22.7%), tribenuron methyl (6.8%)
<b>FORMULATION</b>	dispersible granule
<b>CHEM. FAMILY</b>	sulfonylurea
<b>GROUP NO.</b>	2 <b>REI</b> 12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	80 oz bag (6 per case)

## KEY PERFORMANCE BENEFITS

- Helps maximize yield by providing outstanding control of tough broadleaf weeds
- Fall applications keep fields clean until planting
- Offers burndown and residual activity
- Flexible application options:  
no-till, reduced-till, stale seedbed or conventional production
- Adds second mode of action in glyphosate programs

## KEY USES

Soybeans

## KEY WEEDS CONTROLLED

**PRE-EMERGENCE:** Cocklebur, henbit, lambsquarters, marestalk, pigweed, purslane, ragweed, speedwell  
**BURNDOWN:** Bittercress, buttercup, dandelion, henbit, mustard, pepperweed, pigweed, purslane, shepherd's-purse, speedwell, velvetleaf, whitlowgrass, yellow rocket  
(see label for complete list)

# Curio®

Curio® offers better control than glyphosate alone on important weeds such as morningglories, hemp sesbania and yellow nutsedge. The residual control of Curio helps keep your fields cleaner longer. Plus, Curio can help mitigate weed resistance by offering a different mode of action.

<b>EPA REG. NO.</b>	71368-82
<b>ACTIVE INGR.</b>	chlorimuron ethyl (25%)
<b>FORMULATION</b>	dispersible granule
<b>CHEM. FAMILY</b>	sulfonylurea
<b>GROUP NO.</b>	2 <b>REI</b> 12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	5 oz bag (8 per case)

## KEY PERFORMANCE BENEFITS

- Residual control helps keep fields clean and maximize yield by preventing weed competition
- Different mode of action than glyphosate to help manage weed resistance on many broadleaf weeds
- Better control than glyphosate alone on key weeds such as morningglory, hemp sesbania, yellow nutsedge and velvetleaf
- Flexible rate range based on weed spectrum and size to meet your needs

## KEY USES

Peanuts, soybeans, non-crop sites

## KEY WEEDS CONTROLLED

**PEANUTS:** Florida beggarweed  
**SOYBEANS:** Beggarticks, cocklebur, cowpea, dandelion (above ground portion), Florida beggarweed, hemp sesbania, jimsonweed, London rocket, marestalk, morningglory, mustard, pigweed, poinsettia, prickly lettuce, ragweed, sicklepod, smartweed, sunflower, tarweed, fiddleneck, velvetleaf, yellow nutsedge  
(see label for complete list)





Grapple™ Herbicide delivers outstanding weed control on many crops, but it's designed with the unique challenges of vineyards and orchards in mind. Knock down existing weeds and keep floors clean with lasting residual. Plus, Grapple is tank mix compatible with many pre-emerge herbicides.

<b>EPA REG. NO.</b>	71368-121
<b>ACTIVE INGR.</b>	rimsulfuron (25%)
<b>FORMULATION</b>	water-dispersible granule
<b>CHEM. FAMILY</b>	sulfonylurea
<b>GROUP NO.</b>	2
<b>REI</b>	4 hours
<b>SIGNAL WORD</b>	caution
<b>RESTRICTED</b>	no
<b>PACKAGE SIZE</b>	20 oz bag (12 per case)

#### KEY PERFORMANCE BENEFITS

- Outstanding broad-spectrum pre- and post-emergent control of many weeds
- Labeled for use on a wide range of crops, but formulated to deliver excellent results in vineyards and orchards
- Long-lasting residual control

#### KEY USES

Many crops including; citrus fruit, grapes, stone and pome fruit, tree nuts, field corn, field-grown tomatoes, potatoes, potatoes grown for seed

#### KEY WEEDS CONTROLLED

Barnyardgrass, bluegrass, chamomile, crabgrass, dandelion, filaree, fleabane, foxtail, groundsel, henbit, kochia, mallow, maretail (horseweed), mustards, pigweeds, puncturevine, purslane, quackgrass, shepherd's-purse, spurge  
(see label for complete list)



Patriot® controls tough broadleaf weeds such as Russian thistle and mustards in wheat, barley, fallow, pastures and rangeland. With contact and residual control, it burns down existing weeds and keeps them down for 4 to 6 weeks. Plus, it offers a wide application window.

<b>EPA REG. NO.</b>	228-391
<b>ACTIVE INGR.</b>	metsulfuron methyl (60%)
<b>FORMULATION</b>	water-dispersible granule
<b>CHEM. FAMILY</b>	sulfonylurea
<b>GROUP NO.</b>	2
<b>REI</b>	4 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	8 oz bag (8 per case), 16 oz bag (8 per case), 12 lb jug (2 per case)

#### KEY PERFORMANCE BENEFITS

- Excellent post-emergence weed control
- Offers excellent crop safety
- Provides residual control for up to 6 weeks
- Wide application window
- Excellent tank-mix partner, particularly in pasture and small grains

#### KEY USES

Barley, triticale, CRP, fallow land, pastures, rangeland

#### KEY WEEDS CONTROLLED

Bur buttercup, chickweed, coast fiddleneck, cowcockle, false chamomile, field pennycress, filaree, groundsel, henbit, lambsquarters, mayweed chamomile, miner's lettuce, pigweed, plains coreopsis, purslane, shepherd's-purse, smallseed falseflax, smartweeds, snow speedwell, wild mustard  
(see label for complete list)



With a unique combination of two powerful active ingredients, Purestand® MAX is a selective post-emergent herbicide designed specifically for Bermudagrass pastures.

<b>EPA REG. NO.</b>	228-753
<b>ACTIVE INGR.</b>	metsulfuron (15.0%) + sulfosulfuron (60%)
<b>FORMULATION</b>	water-dispersible granule
<b>CHEM. FAMILY</b>	N-sulfonylurea
<b>GROUP NO.</b>	2
<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	16 oz bag, 12 per case (6.5 - 20 treated acres per bottle)

#### KEY PERFORMANCE BENEFITS

- Selective, systemic herbicide with field proven safety to established Bermudagrass
- No grazing restrictions – grazing can commence immediately after application
- No grazing restrictions for any livestock at certain application rates
- Controls or suppresses over 80 species of grass and broadleaf weeds
- Excellent tank-mix compatibility with a wide range of other herbicides

#### KEY USES

Bermudagrass pastures, pasture and rangeland sites west of the Mississippi river

#### KEY WEEDS CONTROLLED

Johnsongrass\*, maretail, nutsedge (purple, yellow), thistle (Canada\*\*, \*\*, musk\*\*, Russian\*\*)  
(see label for complete list)

\*Suppression or partial control, repeat applications may be necessary

\*\*See specific direction for special weed problems



Post-emergence herbicide for use in wheat and barley, fallow and preplant burndown. Rapport® BroadSpec helps manage Canada thistle, wild buckwheat and a broad spectrum of other difficult weeds. Plus, Rapport BroadSpec gives rotational flexibility for next season.

<b>EPA REG. NO.</b>	71368-79
<b>ACTIVE INGR.</b>	thifensulfuron-methyl (25%), tribenuron-methyl (25%)
<b>FORMULATION</b>	water-dispersible granule
<b>CHEM. FAMILY</b>	sulfonylurea
<b>GROUP NO.</b>	2
<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	2 lb bag (8 per case)

#### KEY PERFORMANCE BENEFITS

- Dependable post-emergence control of a broad spectrum of broadleaf weeds
- Improved Canada thistle control
- Excellent crop safety
- Excellent tank-mix partner
- Flexible rotation options

#### KEY USES

Barley, wheat, fallow land

#### KEY WEEDS CONTROLLED

Bur buttercup, buckwheat, chickweed, coast fiddleneck, cowcockle, curly dock, field pennycress, flixweed, groundsel, henbit, ladythumb, lambsquarters, London rocket, mallow, marshelder, redmaids, shepherd's-purse, sunflower, tansy mustard, tarweed fiddleneck  
(see label for complete list)

## Rapport® TankMix

Rapport® TankMix delivers reliable control of many broadleaf weeds in wheat, barley and triticale. Plus, it can be used as post-harvest in cereals, fallow and preplant or post-harvest burndown. Rapport TankMix has good crop rotation flexibility.

<b>EPA REG. NO.</b>	71368-80		
<b>ACTIVE INGR.</b>	thifensulfuron-methyl (40%), tribenuron-methyl (10%)		
<b>FORMULATION</b>	water-dispersible granule		
<b>CHEM. FAMILY</b>	sulfonylurea		
<b>GROUP NO.</b>	2	<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	caution		
<b>PACKAGE SIZE</b>	2 lb bag (8 per case)		

### KEY PERFORMANCE BENEFITS

- Dependable post-emergence control of a broad spectrum of broadleaf weeds
- Low tank-mix antagonism
- Excellent crop safety
- Flexible rotation options

### KEY USES

Barley, triticale, wheat, fallow land and preplant or post-harvest burndown

### KEY WEEDS CONTROLLED

Broad-spectrum broadleaf weed control, control varies with tank-mix combination (see label for complete list)

## Treaty®

Treaty® offers excellent control of problem weeds in wheat, barley, oats, triticale, fallow, corn and soybeans. A dry flowable granular herbicide, Treaty is designed for selective post-emergence control either alone or in combination with many grass and other broadleaf herbicides.

<b>EPA REG. NO.</b>	71368-74		
<b>ACTIVE INGR.</b>	thifensulfuron-methyl (75%)		
<b>FORMULATION</b>	dry flowable		
<b>CHEM. FAMILY</b>	sulfonylurea		
<b>GROUP NO.</b>	2	<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	warning		
<b>PACKAGE SIZE</b>	10 oz bag (8 per case)		

### KEY PERFORMANCE BENEFITS

- Controls more than 40 tough broadleaf weeds, including wild buckwheat, redroot pigweed and common lambsquarters
- Excellent crop safety
- Dependable post-emergence control and preplant burndown
- Flexible tank-mix options

### KEY USES

Barley, corn, oat, soybeans, triticale, wheat (including durum), fallow, preplant or post-harvest burndown

### KEY WEEDS CONTROLLED

FIELD CORN, SOYBEANS: Lambsquarters, pigweed, velvetleaf, wild mustard  
CEREALS, FALLOW, PREPLANT BURNDOWN: Buckwheat, Carolina geranium, field pennycress, lambsquarters, London rocket, marshelder, shepherd's-purse, swinecress, tarweed fiddleneck, tumble/Jim Hill mustard, wild mustard (see label for complete list)

## Treaty® Extra

Treaty® Extra offers selective post-emergence broadleaf weed control in wheat, barley, oats, triticale and fallow. As a stand-alone, it provides outstanding control of more than 60 tough broadleaf weeds. It's an excellent tank-mix partner with grass and other broadleaf herbicides.

<b>EPA REG. NO.</b>	71368-76		
<b>ACTIVE INGR.</b>	thifensulfuron-methyl (50%), tribenuron-methyl (25%)		
<b>FORMULATION</b>	dry flowable		
<b>CHEM. FAMILY</b>	sulfonylurea		
<b>GROUP NO.</b>	2	<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	caution		
<b>PACKAGE SIZE</b>	20 oz bag (10 per case)		

### KEY PERFORMANCE BENEFITS

- Outstanding control of tough broadleaf weeds
- Can be tank-mixed with grass and other broadleaf herbicides
- Offers excellent crop safety
- Flexible rotation options

### KEY USES

Barley, oat, triticale, wheat, fallow land

### KEY WEEDS CONTROLLED

Buckwheat, chickweed, coast fiddleneck, cowcockle, curly dock, field pennycress, groundsel, ladysthumb, lambsquarters, London rocket, marshelder, mouse-ear, Pennsylvania smartweed, pigweed, pineappleweed, prostrate knotweed, shepherd's-purse, sunflower, swinecress, tansy mustard, tarweed fiddleneck, volunteer lentils, volunteer peas, volunteer sunflower, wild mustard (see label for complete list)

## Victory®

Victory® offers selective post-emergence broadleaf weed control in wheat, barley and triticale and can be used post-harvest in cereals, fallow and preplant or post-harvest burndown. Victory can be used as a stand-alone product or in tank mix combinations with broadleaf or grass herbicides.

<b>EPA REG. NO.</b>	71368-75		
<b>ACTIVE INGR.</b>	tribenuron-methyl (75%)		
<b>FORMULATION</b>	dry flowable		
<b>CHEM. FAMILY</b>	sulfonylurea		
<b>GROUP NO.</b>	2	<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	caution		
<b>PACKAGE SIZE</b>	10 oz bag (8 per case)		

### KEY PERFORMANCE BENEFITS

- Delivers excellent control of Canada thistle and other tough broadleaf weeds
- Can be tank-mixed with grass and other broadleaf herbicides
- Excellent crop tolerance
- Flexible rotation options
- Supplemental label permits use on ExpressSun® trait sunflowers

### KEY USES

Barley, ExpressSun® trait sunflowers, triticale, wheat, fallow, preplant burndown

### KEY WEEDS CONTROLLED

BARLEY, TRITICALE, WHEAT: Chickweed, cowcockle, groundsel, lambsquarters, London rocket, mustard, purslane, redroot pigweed, shepherd's-purse  
FALLOW, PREPLANT BURNDOWN: Canada thistle, chickweed, false chamomile, Kochia, lambsquarters, mustard, purslane (see label for complete list)





BurnMaster® delivers excellent control of more than 65 broadleaf weeds, including herbicide resistant species. Designed for optimal performance – even in cool weather – it is ideal for fall and early spring burndown programs. Plus, it's labeled for use ahead of almost any crop.

<b>EPA REG. NO.</b>	71368-108		
<b>ACTIVE INGR.</b>	dicamba acid (10.73% / 1 lb ae/gal), 2,4-D ester (49.64% / 3.07 lb ae/gal)		
<b>FORMULATION</b>	liquid		
<b>CHEM. FAMILY</b>	phenoxycarboxylic acid, benzoic acid		
<b>GROUP NO.</b>	<b>4</b>	<b>REI</b>	48 hours
<b>SIGNAL WORD</b>	danger		
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 265 gal tote, bulk		

**KEY PERFORMANCE BENEFITS**

- Excellent cool-weather performer – ideal for fall and early spring burndown programs
- True systemic control kills weeds above and below ground
- Optimized 2,4-D ester and dicamba acid ratio delivers broad-spectrum control of more than 65 weeds including glyphosate and ALS-resistant species
- Labeled for use ahead of virtually any crop and offers crop rotation flexibility

**KEY USES**

Corn (preplant and pre-emergence), cotton (preplant), grain sorghum, grass (hay or silage), soybean (preplant), wheat, CRP, fallow croplands, general farmstead, pasture, rangeland

**KEY WEEDS CONTROLLED**

Buckwheat, chickweed, cocklebur, dogfennel, evening primrose, henbit, kochia, lambsquarters, mallow, marestalk, morningglory, mustard, pigweed, ragweed, smartweed, sowthistle, velvetleaf (see label for complete list)

## Clash®

Clash® controls difficult ALS- and triazine-resistant annual weeds in addition to a broad spectrum of perennial and biennial weeds. Plus, Clash offers early application and residual control. Its wide application window offers flexibility to deal with unpredictable spring weather.

<b>EPA REG. NO.</b>	228-615		
<b>ACTIVE INGR.</b>	DGA dicamba salt (56.8% / 4 lbs ae/gal)		
<b>FORMULATION</b>	liquid		
<b>CHEM. FAMILY</b>	benzoic acid		
<b>GROUP NO.</b>	<b>4</b>	<b>REI</b>	24 hours
<b>SIGNAL WORD</b>	caution		
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 265 gal tote, bulk		

**KEY PERFORMANCE BENEFITS**

- Controls a broad spectrum of annual and perennial broadleaf weeds
- Economical solution for ALS- and triazine-resistant weeds
- Flexible application timing: preplant burndown, pre-emergence, post-emergence in corn
- Offers a wide application window
- Excellent crop safety

**KEY USES**

Asparagus, barley, corn, cotton, grass grown for seed, hay, oat, proso millet, sorghum, soybeans, sugarcane, triticale, wheat, CRP, fallow croplands, general farmstead (non-cropland), pasture, rangeland

**KEY WEEDS CONTROLLED**

Asparagus, barley, corn, cotton, grass grown for seed, hay, oat, sorghum, soybeans, sugarcane, triticale, wheat, CRP, fallow croplands, general farmstead (non-cropland), pasture, rangeland (see label for complete list)

## Diablo®

Diablo® is a water-soluble amine formulation of dicamba that offers extensive control of brush, vines and broadleaf weeds. Diablo provides perennial broadleaf weed and brush management in corn, sorghum, small grains, pasture and other crops.

<b>EPA REG. NO.</b>	228-379		
<b>ACTIVE INGR.</b>	DMA dicamba salt (49.41% / 4 lbs ae/gal)		
<b>FORMULATION</b>	liquid		
<b>CHEM. FAMILY</b>	benzoic acid		
<b>GROUP NO.</b>	<b>4</b>	<b>REI</b>	24 hours
<b>SIGNAL WORD</b>	caution		
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 30 gal drum, 265 gal tote, bulk		

**KEY PERFORMANCE BENEFITS**

- Water-soluble amine formulation of dicamba
- Offers extensive control of brush, vines and broadleaf weeds

**KEY USES**

Asparagus, corn, hay, small grains, sorghum, sugarcane, fallow, general farmstead (non-cropland), pasture, rangeland

**KEY WEEDS CONTROLLED**

Amaranth, buckwheat, burcucumber, clover (annual), lambsquarters, mayweed, pigweed, slender aster, spurge (see label for complete list)

## Scorch®

With three actives, Scorch® knocks down more than 60 annual and 50 biennial/perennial weeds – even resistant species. Designed with resistant kochia in mind, it's the ideal solution for tough kochia control. Scorch better handles challenging cool weather conditions. Plus, it delivers excellent efficacy.

<b>EPA REG. NO.</b>	71368-117		
<b>ACTIVE INGR.</b>	dicamba acid (10.43% / 1 lb ae/gal), 2,4-D ester (47.51% / 3 lbs ae/gal), fluroxypyr ester (11.27% / 0.75 lb ae/gal)		
<b>FORMULATION</b>	liquid		
<b>CHEM. FAMILY</b>	phenoxycarboxylic acid, pyridinecarboxylic acid, benzoic acid		
<b>GROUP NO.</b>	<b>4</b>	<b>REI</b>	48 hours
<b>SIGNAL WORD</b>	danger		
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 265 gal tote		

**KEY PERFORMANCE BENEFITS**

- Optimized premix ratio of three actives
- Systemic control: kills above and below ground
- Ideal herbicide option where dicamba- or glyphosate-resistant kochia is a threat
- Tank mix compatible with many K-salt herbicides, fertilizers, and other products
- Unique combination of three actives delivers better control in variable weather conditions

**KEY USES**

CRP, fallow systems, general farmstead, grass (hay, silage), labeled crops (including cereal grains, field corn, sorghum), non-crop areas, pasture, rangeland

**KEY WEEDS CONTROLLED**

Bittercress, buckwheat, chickweed, chicory, clover, cocklebur, dogfennel, groundsel, henbit, knotweed, kochia, lambsquarters, marestalk, mustard, pigweed, ragweed, smartweed, thistle, velvetleaf (see label for complete list)

Not for Sale, Distribution, or Use in Nassau and Suffolk Counties, NY.



<b>EPA REG. NO.</b>	71368-109	
<b>ACTIVE INGR.</b>	2,4-D ester (50.31% / 3.07 lb ae/gal), dicamba acid (5.44% / 0.5 lb ae/gal)	
<b>FORMULATION</b>	liquid	
<b>CHEM. FAMILY</b>	phenoxyacetic acid, benzoic acid	
<b>GROUP NO.</b>	<b>REI</b>	48 hours
<b>SIGNAL WORD</b>	caution	
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 265 gal tote, bulk	

Spitfire® provides above- and below-ground burndown of broadleaf weeds, including herbicide-resistant species. Treated fields will benefit from weed control that will ease planting and ensure optimum yields, while managing the risk of herbicide-resistant weed populations.

#### KEY PERFORMANCE BENEFITS

- Below-ground burndown: kills resistant weeds, roots and all
- Dual auxin mode of action for broad spectrum control
- Ester formulation for dependable cool-weather performance
- Optional 7-day preplant interval from application to soybean planting (when applied at 16–20 oz rate and after 1/2 inch rain or irrigation – see product label for details and restrictions)

#### KEY USES

Corn (preplant and pre-emergence), cotton (preplant), fallow systems (between crop applications), pasture, sorghum, soybean (preplant), wheat

#### KEY WEEDS CONTROLLED

Buckwheat, buffalobur, chickweed, cocklebur, dogfennel, evening primrose, flax, henbit, knotweed, kochia, lambsquarters, mallow, marehail, morningglory, mustard, pigweed, ragweed, shepherd's-purse, smartweed, sowthistle, Russian thistle, velvetleaf (see label for complete list)



<b>EPA REG. NO.</b>	71368-34	
<b>ACTIVE INGR.</b>	DMA dicamba salt (12.4% / 1 lb ae/gal), 2,4-D amine salt (35.7% / 1 lb ae/gal)	
<b>FORMULATION</b>	liquid	
<b>CHEM. FAMILY</b>	phenoxyacetic acid, benzoic acid	
<b>GROUP NO.</b>	<b>REI</b>	48 hours
<b>SIGNAL WORD</b>	danger	
<b>PACKAGE SIZE</b>	1 gal container (4 per case), 2.5 gal container (2 per case), 30 gal drum, 265 gal tote, bulk	

WeedMaster® delivers consistent weed control in sugarcane, pastures, small grains and fallow. This selective, post-emergence herbicide provides tough, long-lasting control of a broad spectrum of annual, biennial and perennial broadleaf weeds.

#### KEY PERFORMANCE BENEFITS

- Achieve outstanding control of brush and broadleaf weeds in a concentrated formula
- Controls tough weeds such as Carolina horsenettle, thistles and blackberry
- Good tolerance of labeled pasture grasses
- Pre-emergence control with residual activity

#### KEY USES

Grass (hay or silage), sorghum, sugarcane, wheat, CRP, fallow land, general farmstead, pastures, rangeland

#### KEY WEEDS CONTROLLED

Buckwheat, burdock, chickweed, chicory, cocklebur, dandelion, goldenrod, henbit, honeysuckle, kochia, morningglory, mustard, pigweed, purslane, ragweed, Russian thistle, shepherd's-purse, velvetleaf, vetch (see label for complete list)

### PHENOXY ESTER Effective control of broadleaf weeds



<b>EPA REG. NO.</b>	71368-130, SLN MT-240001, SLN KS-240001	
<b>ACTIVE INGR.</b>	dichlorprop-p ester (41.09%) (2.67 lb ae/gal), 2,4-D ester (20.89%) (1.33 lb ae/gal), dicamba (13.84%)	
<b>FORMULATION</b>	emulsifiable concentrate	
<b>CHEM. FAMILY</b>	benzoic acid, phenoxyacetic acid	
<b>GROUP NO.</b>	<b>REI</b>	48 hours
<b>SIGNAL WORD</b>	caution	
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 265 gal tote	

Scorch® EXT Herbicide, powered by Nufarm-exclusive Duplosan® technology, is an innovative premix developed in response to the increasing threat of kochia, including biotypes resistant to glyphosate, dicamba, 2,4-D and/or fluroxypyr.

#### KEY PERFORMANCE BENEFITS

- Optimized premix ratio of three actives
- Systemic control: kills above and below ground
- Ideal herbicide option where dicamba- or glyphosate-resistant kochia is a threat
- Tank mix compatible with many K-salt herbicides, fertilizers, and other products
- Unique combination of three actives delivers better control in variable weather conditions

#### KEY USES

CRP, fallow systems, general farmstead, grass (hay, silage), labeled crops (including cereal grains, field corn, sorghum), non-crop areas, pasture, rangeland

#### KEY WEEDS CONTROLLED

Bittercress, buckwheat, chickweed, chicory, clover, cocklebur, dogfennel, groundsel, henbit, knotweed, kochia, lambsquarters, marehail, mustard, pigweed, ragweed, smartweed, thistle, velvetleaf (see label for complete list)



<b>EPA REG. NO.</b>	71368-140	
<b>ACTIVE INGR.</b>	dual salt 2,4-D (57.8%)	
<b>FORMULATION</b>	soluble liquid	
<b>CHEM. FAMILY</b>	phenoxyacetic acid	
<b>GROUP NO.</b>	<b>REI</b>	48 hours
<b>SIGNAL WORD</b>	danger	
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 30 gal drum, 250 gal tote, bulk	

Weedar® XHL is an amine formulation of 2,4-D that contains a high load of active ingredient to cover 37% more acres with every gallon than traditional 2,4-D amines.

#### KEY PERFORMANCE BENEFITS

- Patented DMA + MMA salt formulation provides a substantial increase in active ingredient concentration to treat 37% more acres with every gallon
- Less volatility than esters and comparable performance to choline 2,4-D
- Low odor and excellent tank mixing compatibility with a range of partner products including K-salt glyphosate
- Reliable formulation stability, including at low temperatures

#### KEY USES

Cereal grains (wheat, barley, millet, oats & rye), corn, sorghum, soybeans (preplant), rice, sugarcane, orchard floors, strawberries, rangeland and established grass pastures, all fallow systems & sites, C.R.P. land, non-crop sites

#### KEY WEEDS CONTROLLED

Bull thistle, burdock, chicory, healall, jimsonweed, lambsquarters, marshelder, morningglory, plantain, prickly lettuce, ragweed, rough fleabane, sowthistle, vetch, wild carrot, wild lettuce, wild onion (see label for complete list)



# WeedMaster® XHL

WeedMaster® XHL is an innovative premix powered by Nufarm's patented Dual Salt Technology™ with a unique combination of 2,4-D (DMA + MMA salts) and DGA dicamba. It controls more than 90+ types of annual/perennial broadleaf weed species.

<b>EPA REG. NO.</b>	71368-139
<b>ACTIVE INGR.</b>	dual salt 2,4-D (36.8%) + DGA dicamba (12.3%)
<b>FORMULATION</b>	soluble liquid
<b>CHEM. FAMILY</b>	phenoxy-carboxylic acid
<b>GROUP NO.</b>	4 <b>REI</b> 48 hours
<b>SIGNAL WORD</b>	danger
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 30 gal drum, 250 gal tote, bulk

## KEY PERFORMANCE BENEFITS

- Industry-leading 2,4-D concentrate plus DGA dicamba requires 20% less product per acre, covering more ground with lower storage and transport costs
- Less volatile DGA dicamba Dual Salt 2,4-D premix alleviating off target concerns plus low odor for improved handling making it more user friendly
- Reliable formulation stability, including at low temperatures
- Excellent tank mixing compatibility with a range of partner products

## KEY USES

Conservation Reserve Program (CRP) land, fallow, general farmstead, grass (hay or silage), pasture, rangeland, sorghum, sugarcane, wheat

## KEY WEEDS CONTROLLED

Cocklebur, lambsquarters, mare's tail, nightshade, pigweed, shepherd's-purse, including glyphosate- and ALS-resistant species  
(see label for complete list)

# Weedone® 650

Weedone® 650 is a 2,4-D ester formulation designed to control susceptible broadleaf weeds in cereal grains, corn, sorghum, non-crop areas, preplant soybeans and forestry.

<b>EPA REG. NO.</b>	35935-6-71368
<b>ACTIVE INGR.</b>	2,4-D ester (87.3% / 5.5 lbs ae/gal)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	phenoxy-carboxylic acid
<b>GROUP NO.</b>	4 <b>REI</b> 12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 30 gal drum, 265 gal tote

## KEY PERFORMANCE BENEFITS

- Flexible label includes burndown, no-till, preplant and in-crop uses
- Lower use rates require less jugs and packaging
- Exceptional mixing capabilities with liquid fertilizers – even in hard water
- Superior formulation mixes faster and stays in suspension longer than other 2,4-D herbicides

## KEY USES

Corn, preplant soybeans, sorghum, non-crop areas

## KEY WEEDS CONTROLLED

Chicory, cocklebur, dandelion, ground ivy, jimsonweed, kochia, lambsquarters, pigweed, purslane, ragweed, velvetleaf, vetch  
(see label for complete list)

Nufarm

# Weedone® LV4 EC

Weedone® LV4 is one of the lowest volatile 2,4-D ester on the market. It is registered for small grains, corn, sorghum, pasture and rangeland, non-crop areas and preplant corn and soybeans and is more effective than amine formulations for controlling hard-to-kill weeds.

<b>EPA REG. NO.</b>	228-139-71368
<b>ACTIVE INGR.</b>	2,4-D ester (67.2% / 3.84 lb ae/gal)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	phenoxy-carboxylic acid
<b>GROUP NO.</b>	4 <b>REI</b> 12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 30 gal drum, 265 gal tote

## KEY PERFORMANCE BENEFITS

- Low-volatile 2,4-D ester formulation
- Broad-spectrum control of broadleaf and woody weeds
- Extremely low freezing temperature (less than 0°F)
- Excellent compatibility with liquid fertilizers

## KEY USES

Corn (field, sweet and popcorn), cereal grains, grass seed crops, non-crop areas (fencerows), pasture, rangeland, red potatoes, sorghum, soybeans (preplant only)

## KEY WEEDS CONTROLLED

Bindweed, curly dock, marshelder, ragweed, smartweeds, tansy ragwort, thistle, wild garlic  
(see label for complete list)

# Weedone® LV4 Solventless

Weedone® LV4 Solventless uses high-quality emulsifiers and surfactants to replace the solvent base. This low-odor formulation mixes well with most liquid fertilizers and is an excellent choice for burndown applications. It easily washes from containers and spray equipment.

<b>EPA REG. NO.</b>	71368-14
<b>ACTIVE INGR.</b>	2,4-D ester (62.6% / 3.8 lbs ae/gal)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	phenoxy-carboxylic acid
<b>GROUP NO.</b>	4 <b>REI</b> 12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 30 gal drum, 250 gal tote

## KEY PERFORMANCE BENEFITS

- Contains no solvents, solvents are replaced with high-quality emulsifiers and surfactants
- Low-odor formulation
- Easily rinses out of containers and spray equipment
- Greater crop tolerance than most conventional 2,4-D formulations

## KEY USES

Barley\*, field corn, grain, grasses for seed production, oat\*, preplant soybeans, rye\*, sorghum, wheat\*, fallow land, non-crop areas, pastures and rangelands  
\*not underseeded with a legume

## KEY WEEDS CONTROLLED

Annual yellow sweet clover, bull thistle, coffeeweed, jimsonweed, marshelder, ragweed, velvetleaf  
(see label for complete list)

**Weedone® LV6 EC**

This low-volume formulation offers easy handling and storing and is ideal for aerial or custom application. As with Weedone® LV4, it mixes well with liquid fertilizers and can also be mixed with water and oil to control tough perennial broadleaf weeds and brush.

<b>EPA REG. NO.</b>	71368-11
<b>ACTIVE INGR.</b>	2,4-D ester (87.3% / 5.5 lbs ae/gal)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	phenoxycarboxylic acid
<b>GROUP NO.</b>	4 <b>REI</b> 12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 30 gal drum, 265 gal tote, bulk

**KEY PERFORMANCE BENEFITS**

- Low-volatile formulation mixes well with liquid fertilizers
- Mixes with water and oil to control tough perennial broadleaf weeds and brush
- Ideal for aerial application utilizing less product
- Highest acid concentration for more efficient shipping and storage

**KEY USES**

Barley\*, corn, grain, grasses for seed production, oat\*, preplant soybeans, rye\*, sorghum, wheat\*, fallow land, non-crop areas, pastures and rangelands  
\*not underseeded with a legume

**KEY WEEDS CONTROLLED**

Annual yellow sweet clover, bull thistle, coffeeweed, jimsonweed, marshelder, ragweed, velvetleaf  
(see label for complete list)

**PHENOXY AMINE Effective control of broadleaf weeds****Orchard Clean®**

Orchard Clean® is a low-volatile, premium 2,4-D amine formulation that is sequestered to 1,500-ppm water hardness. This “workhorse” of 2,4-D amines is registered for control of a variety of difficult weeds - including marestail, mustard, and fleabane.

<b>EPA REG. NO.</b>	71368-1
<b>ACTIVE INGR.</b>	2,4-D amine (46.8% / 3.8 lbs ae/gal)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	phenoxycarboxylic acid
<b>GROUP NO.</b>	4 <b>REI</b> 48 hours
<b>SIGNAL WORD</b>	danger
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case)

**KEY PERFORMANCE BENEFITS**

- Readily soluble in water and forms a true solution
- Broad-spectrum broadleaf phenoxy herbicide in a low-volatile formulation
- Specialty label allows for applications in a variety of orchard settings

**KEY USES**

Apples, grape vineyards\*, pears, stone fruit and nut orchards  
\*only for use in California

**KEY WEEDS CONTROLLED**

Bull thistle, burdock, carrot, chicory, coffeeweed, dandelion, evening primrose, galinsoga, garlic, healall, jimsonweed, lambsquarters, lettuce, morningglory, mustards, onion, pepperweeds, pigweeds, plantains, prickly lettuce, ragweed, rough fleabane, salsify, sowthistle, vetch  
(see label for complete list)

**Weedar® 64**

Weedar® 64 is a non-volatile, premium DMA-4 formulation that is sequestered to 1,500-ppm water hardness. This “workhorse” of 2,4-D amines is registered for a variety of settings including cereal grains, corn, sorghum, rice, sugarcane, pastures/rangeland, and tree fruit and nut crops.

<b>EPA REG. NO.</b>	71368-1
<b>ACTIVE INGR.</b>	2,4-D amine salt (46.8% / 3.8 lbs ae/gal)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	phenoxycarboxylic acid
<b>GROUP NO.</b>	4 <b>REI</b> 48 hours
<b>SIGNAL WORD</b>	danger
<b>PACKAGE SIZE</b>	1 gal container (5 per case), 2.5 gal container (2 per case), 30 gal drum, 265 gal tote, bulk

**KEY PERFORMANCE BENEFITS**

- Readily soluble in water and forms a true solution
- Broad-spectrum broadleaf phenoxy herbicide in a non-volatile formulation
- Versatile label includes aquatics and irrigation ditches

**KEY USES**

Barley, corn, oat, preplant soybeans\*, rice\*, rye, sorghum, sugarcane\*, wheat, aquatic sites, CRP, irrigation ditch banks, fallow land

**KEY WEEDS CONTROLLED**

Bull thistle, burdock, chicory, jimsonweed, lambsquarters\*, marshelder, morningglory, plantain, prickly lettuce, ragweed, rough fleabane, sowthistle, vetch, wild carrot, wild lettuce, wild onion  
(see label for complete list)

\*not registered for use in California

**PHENOXY MCPA Effective control of broadleaf weeds****Chiptox®**

Chiptox® is intended for use on small grains and peas. This product was designed for greater crop tolerance, registered for use on peas in the Pacific Northwest, with best results achieved under warm temperature conditions.

<b>EPA REG. NO.</b>	11685-20-71368
<b>ACTIVE INGR.</b>	MCPA sodium salt (24% / 2 lbs ae/gal)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	phenoxycarboxylic acid
<b>GROUP NO.</b>	4 <b>REI</b> 48 hours
<b>SIGNAL WORD</b>	danger
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case)

**KEY PERFORMANCE BENEFITS**

- Readily soluble in water and forms a true solution
- Phenoxy product ideal for use on Pacific Northwest peas
- Effective on key weeds along with crop tolerance of small grains and peas

**KEY USES**

Barley, oat, peas (Pacific Northwest), rye, wheat

**KEY WEEDS CONTROLLED**

Cocklebur, lambsquarters, mustard (except blue mustard), pepperweed, purslane, ragweed, yellow rocket  
(see label for complete list)

Registered in a limited number of states



## Dagger® 5.2 LB. MCPA Ester Herbicide

<b>EPA REG. NO.</b>	228-267-71368		
<b>ACTIVE INGR.</b>	MCPA ester (91% / 5.2 lbs ae/gal)		
<b>FORMULATION</b>	liquid		
<b>CHEM. FAMILY</b>	phenoxyacetic acid		
<b>GROUP NO.</b>	4	<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	warning		
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case)		

Dagger® 5.2 LB. is a unique, low-odor formulation. It mixes well with other herbicides for broad-spectrum weed control in small grain markets and offers the highest active ingredient concentration of any MCPA ester in the agricultural market – which means less product handling.

### KEY PERFORMANCE BENEFITS

- Controls more than 40 broadleaf weed species
- Highest active ingredient concentration of any MCPA ester
- Low-odor formulation
- Excellent tank-mix partner with other herbicides
- Less product to handle and store

### KEY USES

Flax, oat, small grains not underseeded to legumes, rangeland

### KEY WEEDS CONTROLLED

Fennel, kochia, mustard, pepperweed, prickly lettuce, stinkweed, thistle, wild carrot, yellow daisy  
(see label for complete list)

## Nufarm Rhomene®

<b>EPA REG. NO.</b>	229-143-71368		
<b>ACTIVE INGR.</b>	MCPA amine salt (48.58% / 3.7 lbs ae/gal)		
<b>FORMULATION</b>	liquid		
<b>CHEM. FAMILY</b>	phenoxyacetic acid		
<b>GROUP NO.</b>	4	<b>REI</b>	48 hours
<b>SIGNAL WORD</b>	danger		
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 250 gal tote		

Rhomene® is an extremely versatile MCPA formulation that provides a reduced risk of injury to small grains when compared with other 2,4-D's. Rhomene is effective in moderately hard water and serves as an excellent tank-mix partner to other small grain herbicides.

### KEY PERFORMANCE BENEFITS

- Excellent tank-mix partner with other small grain herbicides
- Versatile MCPA, effective in moderately hard water

### KEY USES

Barley, oat, peas (Pacific Northwest only), rye, wheat, established grassland and pastures

### KEY WEEDS CONTROLLED

Beggartick, bindweed, burdock, buttercup, cocklebur, daisy, dandelion, field bindweed, goldenrod, honeysuckle, knotweed, kochia, lambsquarters, mustard, nutgrass, pigweed, plantain, puncturevine, purslane, ragweed, shepherd's-purse, stinging nettle, thistle, vetch, witchweed  
(see label for complete list)

## Rhonox®

<b>EPA REG. NO.</b>	11685-21-71368		
<b>ACTIVE INGR.</b>	ester MCPA (67.9% / 3.7 lbs ae/gal)		
<b>FORMULATION</b>	liquid		
<b>CHEM. FAMILY</b>	phenoxyacetic acid,		
<b>GROUP NO.</b>	4	<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	caution		
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 265 gal tote		

Rhonox® is Nufarm's most effective MCPA formulation for larger and difficult to control weed species. It is registered for use on small grains (not underseeded to legumes), flax or oats and is most effective in low humidity areas. Plus, it can be tank-mixed for prescription weed control.

### KEY PERFORMANCE BENEFITS

- Most effective MCPA formulation for larger and difficult to control species
- Tank-mix partner with sulfonyleureas, dicamba and bromoxynil herbicides for prescription weed control
- Best effectiveness in low humidity areas

### KEY USES

Barley, flax, oat, rye, wheat, fallow land and rangeland

### KEY WEEDS CONTROLLED

Burdock, cocklebur, dandelion, field pennycress, lambsquarters, mustard (except blue mustard), pepperweed (except perennial), pigweed, plantain, purslane, ragweed (common and giant), shepherd's-purse, thistle (bull and Russian), yellow rocket  
(see label for complete list)

## Thistrol®

<b>EPA REG. NO.</b>	71368-5		
<b>ACTIVE INGR.</b>	MCPB sodium salt (23.5% / 2 lbs ae/gal)		
<b>FORMULATION</b>	liquid		
<b>CHEM. FAMILY</b>	phenoxyacetic acid		
<b>GROUP NO.</b>	4	<b>REI</b>	24 hours
<b>SIGNAL WORD</b>	warning		
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 250 gal tote		

A Nufarm exclusive, Thistrol® is specifically designed to control post-emerge Canada thistle in green pea crops.

### KEY PERFORMANCE BENEFITS

- Pre-emergent option for Canada thistle control or suppression that is safe to field peas
- May be mixed with other herbicides to expand weed spectrum

### KEY USES

Peas and mint

### KEY WEEDS CONTROLLED

Canada thistle  
(see label for complete list)

## Candor

<b>EPA REG. NO.</b>	228-565
<b>ACTIVE INGR.</b>	triclopyr ester (16.5% / 1 lb ae/gal), 2,4-D ester (34.4% / 2 lbs ae/gal)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	pyridinecarboxylic acid, phenoxyacetic acid
<b>GROUP NO.</b>	4 <b>REI</b> 24 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	1 gal container (6 per case), 2.5 gal container (2 per case)

Candor® herbicide is an effective, low-volatile premix that controls most kinds of unwanted trees and brush as well as annual and perennial broadleaf weeds without harming desirable grasses. The post-emergence activity targets woody plants and brush including blackberries and poison ivy.

### KEY PERFORMANCE BENEFITS

- Controls more than 100 tough annual and perennial broadleaf weeds and woody plants
- May be combined with liquid nitrogen fertilizer
- Except for lactating dairy animals, there are no grazing restrictions following applications of Candor
- Non-restricted use pesticide

### KEY USES

CRP acres, fencerows, non-irrigation ditch banks, pastures, rangeland, roadsides and other non-crop areas

### KEY WEEDS CONTROLLED

Burdock, chickweed (mouse-ear), clover, cocklebur, horseweed, kochia, kudzu, lambsquarters, lespedeza, mustard, oxalis, plantain, purslane, shepherd's-purse, spurge, vetch, white henbit, yellow rocket (see label for complete list)

## Clean Slate

<b>EPA REG. NO.</b>	228-491
<b>ACTIVE INGR.</b>	clopyralid amine salt (40.9% / 3 lbs ae/gal)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	pyridinecarboxylic acid
<b>GROUP NO.</b>	4 <b>REI</b> 12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	64 oz container (4 per case), 2.5 gal container (2 per case)

Highly selective, Clean Slate® controls noxious weeds without damaging most established grasses, hardwoods and conifers. Plus, it can be tank-mixed with other products to improve the spectrum of control. Labeled for multiple crops, it provides selective broadleaf weed control including outstanding post-emergent control of Canada thistle.

### KEY PERFORMANCE BENEFITS

- Outstanding post-emergence control of tough weeds including kudzu, thistle, knapweed, ragweed, mimosa, redbud, locust, mesquite and others
- Perfect for forestry applications including conifer and hardwood plantations
- Selective to most desired established grasses, hardwoods and conifers
- Low volatility and rainfast in 2 hours
- Excellent tank-mix partner

### KEY USES

Non-crop areas, rangeland and permanent grass pastures, wildlife openings including grazed areas on these sites

**OTHER USES INCLUDE:** Barley, oats, wheat, canola, corn (field, popcorn, sweet), oats, stone fruits, sugarbeet, Christmas trees

### KEY WEEDS CONTROLLED

Burdock, clover, cocklebur, horseweed, knapweed, kudzu, locust, mesquite, mimosa, ragweed, redbud, sowthistle, thistle (see label for complete list)

## Cleansweep M

<b>EPA REG. NO.</b>	71368-89
<b>ACTIVE INGR.</b>	MCPA ester (27.3% / 1.67 lbs ae/gal), bromoxynil ester (25.48% / 1.67 lbs ae/gal), fluroxypyr ester (10.08% / 0.67 lb ae/gal)
<b>FORMULATION</b>	emulsifiable concentrate
<b>CHEM. FAMILY</b>	phenoxyacetic acid, nitrile, pyridinecarboxylic acid
<b>GROUP NO.</b>	4 and 6 <b>REI</b> 24 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 125 gal tote, 265 gal tote

Cleansweep® M takes broadleaf weed control in cereals to new levels. It controls tough weeds like kochia with excellent tank-mix compatibility for fast, easy application. Plus, Cleansweep M gives you outstanding performance and convenience.

### KEY PERFORMANCE BENEFITS

- Outstanding broad-spectrum broadleaf weed control
- Excellent compatibility with grass control herbicides
- Excellent crop safety
- Smart choice for weed resistance management with multiple modes of action

### KEY USES

Barley, oat, wheat, CRP acres and fallow land

### KEY WEEDS CONTROLLED

Buckwheat, canola, chamomile, chickweed, clover, cocklebur, coffeeweed, gromwell, hemp dogbane, henbit, horseweed, jimsonweed, knawel, knotweed, kochia, ladysthumb, lambsquarters, marshelder, pigweed, puncturevine, purslane, shepherd's-purse, sowthistle, thistle, velvetleaf, waterhemp (see label for complete list)

## Comet

<b>EPA REG. NO.</b>	71368-87
<b>ACTIVE INGR.</b>	fluroxypyr ester (26.2% / 1.5 lbs ae/gal)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	phenoxyacetic acid
<b>GROUP NO.</b>	4 <b>REI</b> 12 hours
<b>SIGNAL WORD</b>	warning
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 265 gal tote

Comet® is a selective post-emergence herbicide that controls annual and perennial broadleaf weeds and volunteer potatoes in small grains, field corn, sweet corn, grain sorghum, fallow cropland, on-farm non-cropland and pome fruit.

### KEY PERFORMANCE BENEFITS

- Provides excellent control of many annual and perennial broadleaf weeds
- Allows for crop rotation flexibility
- Highly compatible with a wide spectrum of tank-mix options

### KEY USES

Field corn, grain sorghum, pome fruit, small grains, sweet corn, fallow cropland, on-farm non-cropland, pastures and rangeland

### KEY WEEDS CONTROLLED

Chickweed, clover, cocklebur, coffeeweed, jimsonweed, morningglory, prickly lettuce, puncturevine, purslane, ragweed, sunflower, velvetleaf (see label for complete list)



## Relegate®

<b>EPA REG. NO.</b>	228-521		
<b>ACTIVE INGR.</b>	triclopyr ester (61.6% / 4 lbs ae/gal)		
<b>FORMULATION</b>	liquid		
<b>CHEM. FAMILY</b>	pyridinecarboxylic acid		
<b>GROUP NO.</b>	4	<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	caution		
<b>PACKAGE SIZE</b>	1 gal container (4 per case), 2.5 gal container (2 per case), 30 gal drum, 250 gal tote		

Relegate® offers ranchers and producers flexible, long-lasting brush control specifically designed for range and pastures. With excellent grass tolerance, Relegate offers control of more than 60 woody plant species, plus many tough broadleaf weeds, ultimately leading to healthier pastures.

### KEY PERFORMANCE BENEFITS

- Controls more than 60 woody plant species and many broadleaf weeds without harming desirable grasses
- May be applied as a foliar spray or as a basal bark or cut stump treatment to woody plants
- Compatible with many other broadleaf active ingredients
- May be tank-mixed with liquid nitrogen fertilizer and foliar applied

### KEY USES

CRP acres, forests, pastures and rangeland

### KEY WEEDS CONTROLLED

**WOODY PLANTS:** Alder, birch, blackberry, boxelder, cherry, dogwood, kudzu, mulberry, persimmon, salt cedar, sumac, trumpet creeper, wax myrtle, willow

**ANNUAL / PERENNIAL BROADLEAF WEEDS:** Black medic, burdock, chicory, clover, dandelion, ground ivy, lambsquarters, lespedeza, matchweed, mustard, oxalis, plantain, purple loostripe, ragweed, vetch  
(see label for complete list)

## Truslate®

<b>EPA REG. NO.</b>	71368-86		
<b>ACTIVE INGR.</b>	clopyralid MEA salt (11.3% / 0.75 lb ae/gal), fluroxypyr ester (12.3% / 0.75 lb ae/gal)		
<b>FORMULATION</b>	emulsifiable concentrate		
<b>CHEM. FAMILY</b>	pyridinecarboxylic acid		
<b>GROUP NO.</b>	4	<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	caution		
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 30 gal drum, 250 gal tote, bulk		

Truslate® is a selective post-emergence herbicide that controls annual and perennial broadleaf weeds in wheat, barley, and oats not underseeded with a legume. Difficult weeds like Canada thistle, kochia and wild buckwheat don't stand a chance against Truslate.

### KEY PERFORMANCE BENEFITS

- Controls more than 60 broadleaf weeds and suppresses more than 15
- Controls large kochia and herbicide-tolerant biotypes of kochia, plus Canada thistle and wild buckwheat
- Readily absorbed by roots and foliage, disrupting plant cell growth
- Rapidly translocated
- Wide window of application
- Can be tank-mixed with most other broadleaf and grass herbicides

### KEY USES

Barley\*, corn (sweet, field), grass seed, oat\*, permanent grasses in CRP non-cropland, wheat\*  
\*not underseeded with a legume

### KEY WEEDS CONTROLLED

Buckwheat, burdock, chamomile, chickweed, clover, cocklebur, daisy, dandelion, groundsel, hawksbeard, hawkweed, hemp dogbane, horseweed, jimsonweed, kochia, lentils, lettuce, morningglory, purslane, ragweed, sicklepod, sowthistle, thistle, velvetleaf  
(see label for complete list)

## Truslate® Pro

<b>EPA REG. NO.</b>	71368-88		
<b>ACTIVE INGR.</b>	MCPA ester (30.73% / 1.75 lbs ae/gal), fluroxypyr ester (10.37% / 0.64 lb ae/gal), clopyralid acid (5.6% / 0.5 lb ae/gal)		
<b>FORMULATION</b>	emulsifiable concentrate		
<b>CHEM. FAMILY</b>	phenoxyacetic acid, pyridinecarboxylic acid		
<b>GROUP NO.</b>	4	<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	warning		
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 265 gal tote		

With three active ingredients in a convenient premix, Truslate® Pro offers unparalleled control of broadleaf weeds – including kochia, wild buckwheat, Canada thistle and lambsquarters – in cereal crops. It also offers excellent crop safety and outstanding tank-mix compatibility.

### KEY PERFORMANCE BENEFITS

- Outstanding performance on tough broadleaf weeds including kochia, wild mustard, pigweed and lambsquarters
- Convenient premix of three active ingredients
- Developed to be tank-mix compatible with popular grass herbicides
- Excellent crop safety

### KEY USES

Barley, oat, wheat

### KEY WEEDS CONTROLLED

Buckwheat, canola, chickweed, clover, cocklebur, dandelion, horseweed, jimsonweed, kochia, lambsquarters, mallow, marshelder, morningglory, mustard, nightshade, pigweed, puncturevine, ragweed, Russian thistle, shepherd's-purse, smartweed, sunflower, thistle, velvetleaf, vetch  
(see label for complete list)

## PREMIUM BURNDOWN HERBICIDES Flexible solutions with knockdown power and lasting residual



<b>EPA REG. NO.</b>	71368-131		
<b>ACTIVE INGR.</b>	rimsulfuron (16.7%), thifensulfuron (16.7%)		
<b>FORMULATION</b>	water-dispersible granule		
<b>CHEM. FAMILY</b>	sulfonylurea		
<b>GROUP NO.</b>	2	<b>REI</b>	4 hours
<b>SIGNAL WORD</b>	caution		
<b>PACKAGE SIZE</b>	60 oz bottle (8 per case) (20-40 treated acres per bottle)		

Leopard® Herbicide delivers exceptional planting flexibility from fall to early preplant burndown for soybeans, field corn and cotton. Leopard's dual-active formulation boosts foliar activity and adds residual so that fields stay clean up to planting. If planting to field corn, you can apply at, and/or immediately after, planting.

### KEY PERFORMANCE BENEFITS

- Dual-active formulation boosts post activity and provides residual control
- Excellent rotational tool with alternative MOA for resistance management
- Lasting early-season control of many broadleaves, grass and winter annuals
- Low-use rate and excellent tank mix partner for burndown herbicides
- Apply 30-45 days prior to planting for increased cropping flexibility; field corn can be planted immediately after application

### KEY USES

Rotation crops (including corn, soybeans, peanuts), fall and preplant burndown

### KEY WEEDS CONTROLLED

**RESIDUAL:** Barnyardgrass, henbit, kochia, lambsquarters, marehail, mustard, pigweed, signalgrass  
**BURNDOWN:** Alfalfa, chickweed, crabgrass, curly dock, field pennycress, groundsel, knotweed, mustard, panicum, shepherd's-purse, velvetleaf, wild radish  
(see label for complete list)



<b>EPA REG. NO.</b>	71368-133
<b>ACTIVE INGR.</b>	carfentrazone-ethyl (22.3% / 2 lb ai/gal)
<b>FORMULATION</b>	emulsifiable concentrate
<b>CHEM. FAMILY</b>	triazolinone
<b>GROUP NO.</b>	14 <b>REI</b> 12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	1 quart container (4 per case)
Not registered for use in California	

Longbow® EC spans multiple row and specialty crops to strengthen control of broadleaf weeds. At very low use rates, Longbow is an excellent tank mix partner with most burndown, non-selective herbicides to add residual punch for long term broadleaf weed control. Registered as a harvest aid/defoliant for cotton, corn and 10 other crops.

**KEY PERFORMANCE BENEFITS**

- Wide spectrum broadleaf weed control
- Fast-acting weed control
- Very broad crop spectrum
  - Compatible with more than 45 crops or crop groups
- Excellent tank-mix partner
- Low use rates
- Labeled for herbicide and harvest aid uses
- Convenient package size for easy handling

**KEY USES**

Alfalfa, corn, cotton, peanuts, sorghum, soybeans, spring and winter wheat, sunflowers, sugarcane, rice (southern states)

**OTHER USES INCLUDE:** Grape, potato, tree fruit, tree nut

**KEY WEEDS CONTROLLED**

Cocklebur, kochia, lambsquarters, morningglory, nightshade, Palmer amaranth, pigweed, Russian thistle, velvetleaf, waterhemp  
(see label for complete list)



<b>EPA REG. NO.</b>	71368-125
<b>ACTIVE INGR.</b>	flumioxazin (7.32% / 0.67 lb ai/gal), metribuzin (32.77% / 3 lbs ae/gal)
<b>FORMULATION</b>	liquid (SC)
<b>CHEM. FAMILY</b>	triazinone, N-phenylphthalimide
<b>GROUP NO.</b>	14 and 5 <b>REI</b> 12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 125 gal tote, 265 gal tote

Panther® MTZ strikes the perfect balance, delivering a double punch of burndown and residual efficacy. With two modes of action, Panther MTZ gives growers a perfect resistance management tool on the most difficult broadleaf weeds including Palmer pigweed, waterhemp and marestail.

**KEY PERFORMANCE BENEFITS**

- Convenient liquid formulation makes mixing and loading faster and easier
- Wide range of application timings, providing crop rotation flexibility
- Provides both knockdown and residual weed control
- Contains optimal amount of metribuzin compared to other MTZ premixes
- Controls a broad spectrum of broadleaf and grass weed species

**KEY USES**

Soybeans, sugarcane, field corn, fallow

**KEY WEEDS CONTROLLED**

Carpetweed, chickweeds, coffee senna, common lambsquarters, common ragweed, dandelion, eclipta, field pennycress, filarees, henbit, kochia, marestail, morningglories, mustards, pigweeds, Russian thistle, shepherd's-purse, spotted spurge, velvetleaf, waterhemp, wild radish  
(see label for complete list)



<b>EPA REG. NO.</b>	71368-120
<b>ACTIVE INGR.</b>	flumioxazin (7.11% / 0.67 lb ai/gal), metribuzin (31.83% / 3 lbs ae/gal), ammonium salt of imazethapyr (6.02% / 0.56 lb ae/gal)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	triazinone, N-phenylphthalimide, imidazolinone
<b>GROUP NO.</b>	5, 14 and 2 <b>REI</b> 12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 125 gal tote, 265 gal tote

Panther® Pro Herbicide brings the power of three actives together in the first liquid flumioxazin premix. Labeled for preplant and pre-emerge use on soybeans, Panther Pro keeps fields clean with excellent residual control of more than 60 broadleaf weeds and grasses.

**KEY PERFORMANCE BENEFITS**

- First liquid flumioxazin premix – with three different modes of action
- Excellent broad-spectrum weed control for soybeans
- Lasting residual control of more than 60 broadleaf weeds and grasses including susceptible winter annuals and many glyphosate-resistant species
- Can be applied alone, or as part of a fall, fallow seedbed, or spring burndown program
- Also labeled for fallow and non-crop bare ground areas

**KEY USES**

Soybeans, fallow land, bare ground in non-crop farm areas

**KEY WEEDS CONTROLLED**

Carpetweed, chickweed, dandelion, eclipta, evening primrose, Florida beggarweed, Florida pusley, foxtail, henbit, kochia, lambsquarters, London rocket, mallow, marestail, morningglory, nightshades, pigweeds, prickly lettuce, prickly sida, puncturevine, purslane, radish, ragweed, redmaids, shepherd's-purse, smartweed, sowthistle, velvetleaf, waterhemp  
(see label for complete list)



<b>EPA REG. NO.</b>	71368-129
<b>ACTIVE INGR.</b>	flumioxazin (41.4% / 4 lbs/gal)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	N-phenylphthalimide
<b>GROUP NO.</b>	14 <b>REI</b> 12 hours
<b>SIGNAL WORD</b>	none
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case)

Panther® XLR herbicide combines all labeled Panther SC and Tuscany SC crops into one flexible label. It provides excellent residual control of tough broadleaf weeds while offering flexible rotation options to many crops. Apply in the fall, early preplant, or preplant or pre-emerge for residual control in Roundup Ready® systems.

**KEY PERFORMANCE BENEFITS**

- Convenient liquid formulation makes mixing and loading faster and easier
- Controls a broad spectrum of annual broadleaf and grass weeds, including most broadleaf weeds resistant to glyphosate
- Offers long-lasting residual control
- Flexible rotation options
- Enhanced speed of control on a broader weed spectrum in labeled burndown programs

**KEY USES**

Cotton, dry beans, field corn, peanuts, soybeans, sugarcane, sweet potato, fallow land and bare ground in non-crop farm areas

**KEY WEEDS CONTROLLED**

Carpetweed, chickweed, dandelion, evening primrose, Florida beggarweed, hemp sesbania, henbit, jimsonweed, kochia, lambsquarters, marestail, mustard, nightshade, pigweed, puncturevine, shepherd's-purse, spurred anoda, Venice mallow, waterhemp  
(see label for complete list)





## Non-Selective Herbicides



### GLUFOSINATE HERBICIDES Protect your high value horticultural crops

## Cheetah®

<b>EPA REG. NO.</b>	71368-112
<b>ACTIVE INGR.</b>	glufosinate ammonium (24.5% / 2.34 lbs/gal)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	phosphinic acid
<b>GROUP NO.</b>	10 <b>REI</b> 12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 265 gal tote, bulk

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

#### KEY PERFORMANCE BENEFITS

- Fast, effective, non-selective control of tough grass, sedge, and broadleaf weeds
- Best glyphosate alternative, offering broad-spectrum weed control
- Directed sprays provide excellent control and crop safety in orchards and vineyards
- More consistent control than Gramoxone® on glyphosate-resistant weeds with no special handling restrictions
- For extended residual, tank mix with Tuscany® SC

#### KEY USES

Berry crops, citrus, grapes, olives, pome fruit, stone fruit, tree nuts, and potato vine desiccation

#### KEY WEEDS CONTROLLED

Chickweed, clover, crabgrass, dandelion, fleabane, foxtail, henbit, junglerice, kochia, lambsquarters, mallow, malva, marestalk, morningglory, nutsedge, purslane, ragweed, ryegrass, spurge, vetch, woodsorrel (see label for complete list)

#### Row Crop Uses

Cheetah® can be used in a burndown program, as well as in “over-the-top” applications to all glufosinate tolerant cropping systems.

#### KEY PERFORMANCE BENEFITS

- Allows growers to rotate non-selective herbicides across multiple crops
- Non-selective, post-emergence broadleaf and grass weed control, including weeds resistant to glyphosate and multiple herbicide classes
- Fast control, kills weeds in days, minimizing weed competition for maximum yield

#### KEY USES

**CROP POST-EMERGENCE:** Soybeans, cotton, corn, and canola varieties with tolerance to glufosinate, including LibertyLink®, XtendFlex®, LLGT27, Enlist®  
**BROADCAST BURNDOWN BEFORE PLANTING OR PRIOR TO CROP EMERGENCE:** Any conventional or transgenic variety of canola, corn, cotton, soybeans, sugarbeets

#### KEY WEEDS CONTROLLED

CONTROLS MORE THAN 130 ANNUAL, BIENNIAL, PERENNIAL GRASS & BROADLEAF WEEDS INCLUDING: kochia, lambsquarters, marestalk, morningglory, waterhemp (see label for complete list)

### MISCELLANEOUS HERBICIDES Outstanding weed control and harvest aid

Nufarm

## Diquat 2L

<b>EPA REG. NO.</b>	228-675
<b>ACTIVE INGR.</b>	diquat dibromide (37.3%)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	bipyridylum
<b>GROUP NO.</b>	22 <b>REI</b> 24 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 250 gal tote

Nufarm Diquat 2L herbicide provides desiccation of green plant material on contact, enabling faster, cleaner, more efficient harvest. Diquat 2L may also be applied as a general herbicide or for site preparation in certain areas. It is water soluble, yet rainfast after 30 minutes.

#### KEY PERFORMANCE BENEFITS

- Foliar-applied and fast-acting
- Water-soluble formulation makes mixing simple
- No specialized equipment required – can be applied using conventional ground or aerial sprayers
- No harmful soil residues
- Use with an adjuvant

#### KEY USES

Alfalfa, canola, clover, potatoes

Tree, vine, small fruit and vegetable crops (non-bearing) for site preparation and vegetation control

#### KEY WEEDS CONTROLLED

Any foliage contacted by Diquat 2L herbicide will be killed (see label for complete list)





# Plant Growth Regulators



## COTTON PLANT GROWTH REGULATORS Manage vegetative growth for maximum yield

### Mepex®

Mepex® is a foliar-applied plant growth regulator that allows growers to manage cotton plants for short-season production. Mepex reduces plant height, offers better boll retention and helps improve defoliation – leading to reduced risk of yield and quality loss due to prolonged harvest.

<b>EPA REG. NO.</b>	228-608
<b>ACTIVE INGR.</b>	mepiquat chloride (4.2% / 0.35 lb/gal)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	quaternary ammonium salt
<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 265 gal tote

#### KEY PERFORMANCE BENEFITS

- Reduces excessive vegetative growth
- Optimizes boll development for higher yields
- Suitable for early season applications
- Can reduce risk of yield and quality loss due to delayed or prolonged harvest
- Helps improve defoliation and reduce trash

#### KEY USES

Cotton

### Mepex® 6X

With the same performance characteristics as traditional Mepex, Mepex 6X Plant Growth Regulator reduces plant height, improves boll retention and prepares the cotton plant for more efficient defoliation. The highly concentrated formula (6 times more concentrated than Mepex) treats more acres per gallon and helps growers in their efforts to contribute to sustainable practices.

<b>EPA REG. NO.</b>	228-746
<b>ACTIVE INGR.</b>	mepiquat chloride (24.0% / 2 lbs/gal)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	quaternary ammonium salt
<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	1 gal container (4 per case), 2.5 gal container (2 per case)

#### KEY PERFORMANCE BENEFITS

- High concentration increases the acres treated per gallon
- Less containers to handle, transport and dispose of
- Faster mixing times
- Reduces excessive vegetative growth
- Optimizes boll development for higher yields
- Helps improve defoliation and reduces trash

#### KEY USES

Cotton

### Pentia®

Now exclusively available from Nufarm, Pentia® Plant Regulator is tailor-made to enhance the yield potential of your cotton crop. Turn to Pentia for improved rainfastness, height management, boll retention, earliness and yield potential compared to products containing mepiquat chloride.

<b>EPA REG. NO.</b>	7969-191
<b>ACTIVE INGR.</b>	mepiquat pentaborate (9.6%)
<b>FORMULATION</b>	soluble liquid
<b>CHEM. FAMILY</b>	quaternary ammonium compound
<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 265 gal tote

#### KEY PERFORMANCE BENEFITS

- Improved fruit retention and height-to-node ratio compared to mepiquat chloride
- Rainfast in 2 hours or 1 hour with adjuvant
- Fast absorption, 25% faster than mepiquat chloride
- Enhanced boll set and earliness
- Increased harvestable bolls and harvest efficiency

#### KEY USES

Cotton\*

\*Not for use in California



## CottonQuik®

<b>EPA REG. NO.</b>	228-607
<b>ACTIVE INGR.</b>	ethephon (18.3%), urea sulfate (58.6%)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	phosphonic acid, monocarbamide dihydrogen sulfate
<b>REI</b>	48 hours, 72 hours (if average rainfall is less than 25" per year)
<b>SIGNAL WORD</b>	danger
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 250 gal tote

CottonQuik® Cotton Harvest Aid/Defoliant accelerates the opening of mature unopened cotton bolls over a wide range of temperatures, minimizing regrowth for a clean harvest. CottonQuik allows you to use a reduced rate of defoliant while improving consistency and speeding leaf drop.

### KEY PERFORMANCE BENEFITS

- Superior boll opening that begins 3 to 5 days sooner than other products
- Delivers consistent results, even in cool weather, to help keep harvest on schedule
- Can help minimize regrowth
- Enhances defoliant activity to improve consistency and hasten leaf drop

### KEY USES

Cotton

## CutOut™

<b>EPA REG. NO.</b>	228-678
<b>ACTIVE INGR.</b>	diuron (6%), thidiazuron (12%)
<b>FORMULATION</b>	suspension concentrate
<b>CHEM. FAMILY</b>	urea
<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case)

CutOut™ Cotton Defoliant promises fast defoliation even when cold fronts are in the forecast. CutOut removes mature leaves and new growth to reduce trash and preserve lint quality. Plus, it can be tank-mixed with other harvest aids to improve performance for a faster finish.

### KEY PERFORMANCE BENEFITS

- Offers consistent, clean defoliation
- Defoliates with less desiccation
- Helps preserve lint quality by removing mature leaves and suppressing new growth
- Performs even in tough weather conditions
- Excellent tank-mix partner with Super Boll® or any other boll-opening products

### KEY USES

Cotton

## FreeFall® SC

<b>EPA REG. NO.</b>	228-653
<b>ACTIVE INGR.</b>	thidiazuron (41.4%)
<b>FORMULATION</b>	suspension concentrate
<b>CHEM. FAMILY</b>	urea
<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	1 gal container (4 per case)

FreeFall® SC Cotton Defoliant removes juvenile growth while controlling re-growth, allowing for a no-stick, no-hassle harvest at optimum crop maturity. Thidiazuron, the active ingredient in FreeFall, is recognized as the long-time standard in effective defoliation.

### KEY PERFORMANCE BENEFITS

- Offers excellent defoliation for less trash in cotton
- Provides excellent re-growth control and removes juvenile growth
- Enables harvest at maximum maturity
- Single active ingredient allows you to customize your defoliation program

### KEY USES

Cotton

## Terminate®

<b>EPA REG. NO.</b>	228-727
<b>ACTIVE INGR.</b>	ethephon (51.8%), cyclanilide (3.2%)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	phosphonic acid, malonanilate
<b>REI</b>	48 hours, 72 hours (if average rainfall is less than 25" per year)
<b>SIGNAL WORD</b>	danger
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 250 gal tote

Terminate® Cotton Harvest Aid increases the natural ethylene synthesis process to quickly and effectively promote leaf drop and open cotton bolls. As a single application premix, crops may be harvested up to 5 days faster – reducing risk from damaging weather.

### KEY PERFORMANCE BENEFITS

- Premix formula promotes both leaf drop and boll opening naturally
- Quick results allow harvest up to 5 days sooner
- Clean crops and preserved lint quality maximize profits
- Tank mix compatible with other plant growth regulators to meet the demands of challenging weather conditions

### KEY USES

Cotton (defoliant and boll opener)

## Super Boll®

Super Boll® Plant Regulator hastens the opening of mature cotton bolls, enabling growers to harvest earlier and increase recoverable yield. When applied to tobacco, it reduces the yellowing time of harvested leaves.

<b>EPA REG. NO.</b>	228-659
<b>ACTIVE INGR.</b>	ethephon (55.4%)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	phosphonic acid
<b>REI</b>	48 hours, 72 hours (if average rainfall is less than 25" per year)
<b>SIGNAL WORD</b>	danger
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 250 gal tote

### KEY PERFORMANCE BENEFITS

- Promotes the opening of mature cotton bolls
- Enables growers to harvest earlier and increase recoverable yield

### KEY USES

Cotton, tobacco

## PLANT GROWTH REGULATORS Improve yield and crop quality

## RiteWay®

RiteWay®, a 6-BA plant growth regulator for apples and pears that increases size and thins fruit. Increases yield and reduces alternate bearing in pistachios.

<b>EPA REG. NO.</b>	71368-60
<b>ACTIVE INGR.</b>	6-benzyladenine (1.9%)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	purine
<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	caution
<b>PACKAGE SIZE</b>	1 gal container (4 per case)

### KEY PERFORMANCE BENEFITS

- Increases size and thins fruit
- Increases yield
- Reduces alternate bearing in pistachios

### KEY USES

Apples, pears, pistachios  
(see label for complete list)

## Typy®

Typy® Plant Growth Regulator improves apple shape and weight; increases lateral bud break and shoot growth and improves branch angles on most bearing and non-bearing apple, non-bearing pear, and non-bearing sweet cherry varieties.

<b>EPA REG. NO.</b>	55146-78
<b>ACTIVE INGR.</b>	6-benzyladenine (1.8%), gibberellins A4A7 (1.8%)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	gibberellins, synthetic cytokinin
<b>REI</b>	24 hours
<b>SIGNAL WORD</b>	warning
<b>PACKAGE SIZE</b>	32 fl oz container (12 per case)

### KEY PERFORMANCE BENEFITS

- Improves apple shape and weight
- Increases lateral bud break and shoot growth and improves branch angles on most bearing and non-bearing apple, non-bearing pear, and non-bearing sweet cherry varieties

### KEY USES

Apples, non-bearing pears,  
non-bearing sweet cherries  
(see label for complete list)

## Verve®

Verve® Plant Growth Regulator is an ethephon formulation that offers a wide range of uses on tobacco, fruit crops, fruiting vegetables, and wheat/barley to improve quality, yield and harvestability.

<b>EPA REG. NO.</b>	228-660
<b>ACTIVE INGR.</b>	ethephon (21.7%)
<b>FORMULATION</b>	liquid
<b>CHEM. FAMILY</b>	phosphonic acid
<b>REI</b>	48 hours 72 hours (if average rainfall is less than 25" per year)
<b>SIGNAL WORD</b>	danger
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case)

### KEY PERFORMANCE BENEFITS

- Prevents formation of undesirable fruit
- Promotes earlier maturation and coloring of tobacco leaves

### KEY USES

Apples, blackberries, blueberries,  
cantaloupe, cucumber, cherries, grapes,  
peppers, pumpkin and squash, tobacco,  
tomatoes, walnuts  
(see label for complete list)



**INSECTICIDES** Protect valuable crops from devastating insect pests

<b>EPA REG. NO.</b>	228-734		
<b>ACTIVE INGR.</b>	abamectin (2.0% / 0.15 lbs/gal)		
<b>FORMULATION</b>	microemulsion		
<b>CHEM. FAMILY</b>	avermectin		
<b>GROUP NO.</b>	6	<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	caution	<b>RESTRICTED-USE</b>	
<b>PACKAGE SIZE</b>	1 gal container (4 per case)		

Abamex® packages the power of abamectin in a low-volatility, water-based formulation. It works quickly to affect pests within hours. And, selective chemistry makes it a useful resistance management rotation partner. Translaminar activity protects the entire leaf, inside and out.

**KEY PERFORMANCE BENEFITS**

- Control mites and leafminers, Colorado potato beetles and other insects
- Controls potato and citrus psyllids that vector diseases such as HLB (citrus greening) and zebra chip
- Flexible application timing in an easy-to-use, low-volatility liquid formulation
- Rainfast within hours of application

**KEY USES**

Avocados, beans, celeriac (apium graveolens), citrus fruit, cotton, cucurbit vegetables, fruiting vegetables, grapes and small fruits, guava, herbs, hops (except California), leafy vegetables, lychee, mint, onion, papaya, pineapple, pome fruit, stone fruit, strawberries, tree nuts, tuberous and corn vegetables

**KEY PESTS CONTROLLED**

Broad mite, carmine spider mite, citrus leafminer, citrus thrips, European red mite, leafminers, pear rust mite, thrips, [\(see label for complete list\)](#)

Abamex® is an EPA Restricted-Use Pesticide. Always read and follow label directions.

**Lambda-Cyhalothrin 1 EC**

<b>EPA REG. NO.</b>	228-708		
<b>ACTIVE INGR.</b>	lambda-cyhalothrin (13%)		
<b>FORMULATION</b>	emulsifiable concentrate		
<b>CHEM. FAMILY</b>	pyrethroid		
<b>GROUP NO.</b>	3	<b>REI</b>	24 hours
<b>SIGNAL WORD</b>	warning	<b>RESTRICTED-USE</b>	
<b>PACKAGE SIZE</b>	1 gal container (4 per case)		

Control more than 50 of the toughest insects with Lambda-Cyhalothrin 1 EC. It is labeled for use on a wide variety of crops, provides excellent residual control and offers the convenience of an easy-mixing formulation.

**KEY PERFORMANCE BENEFITS**

- Controls more than 50 of the toughest insects on a wide variety of crops
- Excellent residual control
- EC formulation ensures easy mixing

**KEY USES**

Alfalfa, apples, field corn, peanuts, pears, popcorn, rice, seed corn, wild rice

**KEY PESTS CONTROLLED**

Alfalfa caterpillar, army cutworm, bird cherry, green cloverworm, greenbug, leafhoppers, loopers, sap beetle, webworm [\(see label for complete list\)](#)

Nufarm Lambda-Cyhalothrin 1 EC is an EPA Restricted-Use Pesticide. Always read and follow label directions.

**Naxypro**

<b>EPA REG. NO.</b>	71368-148		
<b>ACTIVE INGR.</b>	chlorantraniliprole (1.67 lb/gal)		
<b>FORMULATION</b>	suspension concentrate (SC)		
<b>CHEM. FAMILY</b>	diamide		
<b>GROUP NO.</b>	28	<b>REI</b>	4 hours
<b>SIGNAL WORD</b>	none		
<b>PACKAGE SIZE</b>	1 gal container (4 per case)		

Naxypro® Insecticide provides effective control of lepidoptera pests for up to three weeks with fast-acting results that rival leading chlorantraniliprole formulations. Preserve plant quality and protect yield through quick activity, just minutes after contact, while remaining soft on beneficials.

**KEY PERFORMANCE BENEFITS**

- Optimal IPM program tool where pollinators are a concern
- Residual control of up to 21 days with a foliar application or longer with a drip application
- Flexible application options including soil, chemigation or foliar at any stage

**KEY USES**

Apples, almonds, cereal grains, citrus, corn (sweet), cotton, grapes, lettuce, peanuts, pears, pecan, potatoes, sweet potatoes, tomatoes

**KEY PESTS CONTROLLED**

Armyworm, European corn borer, leafminers (larvae), loopers, tomato fruit worm, tomato pinworm in fruiting vegetables [\(see label for complete list\)](#)



**COPPER PRODUCTS** Proven disease control**Champ® Dry Prill**

Champ® Dry Prill is an advanced copper formulation that delivers excellent disease control. Champ Dry Prill is the only dry prill copper available for no-dust mixing and handling.

<b>EPA REG. NO.</b>	55146-57		
<b>ACTIVE INGR.</b>	copper hydroxide (57.6% / 37.5% metallic copper equiv.)		
<b>FORMULATION</b>	dry prill		
<b>CHEM. FAMILY</b>	inorganic		
<b>GROUP NO.</b>	M1	<b>REI</b>	48 hours
<b>SIGNAL WORD</b>	warning		
<b>PACKAGE SIZE</b>	20 lb bag		

**KEY PERFORMANCE BENEFITS**

- Only dry prill copper product on the market
- Made using a unique polymer process that results in a virtually dust-free formulation
- Mixes fast and easily
- Excellent control of key diseases

**KEY USES**

Citrus crops, field crops, small fruits, tree crops, vegetables and vines

**KEY DISEASES CONTROLLED**

Bacterial diseases, black spot, leaf spots, powdery mildew  
(see label for complete list)

**Champ® Formula 2 Flowable**

Champ® Formula 2 Flowable is an advanced copper formulation that delivers excellent disease control. Developed with a small particle size, Champ stays in suspension longer, mixes easier in water and covers plants better to deliver superior protection.

<b>EPA REG. NO.</b>	55146-64		
<b>ACTIVE INGR.</b>	copper hydroxide (37.5% / 4.5 lbs/gal)		
<b>FORMULATION</b>	flowable		
<b>CHEM. FAMILY</b>	inorganic		
<b>GROUP NO.</b>	M1	<b>REI</b>	48 hours
<b>SIGNAL WORD</b>	warning		
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 165 gal tote		

**KEY PERFORMANCE BENEFITS**

- Excellent control of key diseases
- Consistently ideal crystal size combined with state-of-the-art surfactants
- Long shelf life
- Pours and mixes easily – even after extended storage

**KEY USES**

Berries, field crops, tree crops, sugarbeets, tropical crops, vegetable crops, vines and hops

**KEY DISEASES CONTROLLED**

Bacterial canker, blights, leaf spot, yellow rust  
(see label for complete list)

**Champ® WG**

Champ® WG is an effective copper hydroxide formulation that is easy and efficient to use. As a water-dispersible granule, it provides surface area coverage and fungicidal protection. Plus, Champ WG won't clog equipment and allows more acres to be covered per day.

<b>EPA REG. NO.</b>	55146-1		
<b>ACTIVE INGR.</b>	copper hydroxide (77% / 50% metallic copper equiv.)		
<b>FORMULATION</b>	water-dispersible granule		
<b>CHEM. FAMILY</b>	inorganic		
<b>GROUP NO.</b>	M1	<b>REI</b>	48 hours
<b>SIGNAL WORD</b>	danger		
<b>PACKAGE SIZE</b>	20 lb bag		

**KEY PERFORMANCE BENEFITS**

- Actively controls several disease-causing fungi
- Multi-site mode of action
- Excellent rainfastness
- Resistance management for strobilurins and sterol-inhibitors

**KEY USES**

Citrus, field crops (alfalfa, barley, oat, peanut, sugarbeet, wheat), tree crops (almond, apple, apricot, avocado, cherry, filbert, nectarine, peach, pear, pecan, plum, prune, walnut), vegetable (bean dry/green, carrot, celery, cucurbits, garlic, onion, pea, pepper, potato, tomato), vines (hops)

**KEY DISEASES CONTROLLED**

Various blights, mildews, leaf spots and other pathogens  
(see label for complete list)





Champion<sup>®</sup> Fungicide/Bactericide has the smallest, most consistent copper ions (particles) of any WG copper formulation. The result: better coverage and better disease control. And, Champion<sup>®</sup> delivers all that with less environmental load than high dose copper products.

<b>EPA REG. NO.</b>	55146-115		
<b>ACTIVE INGR.</b>	copper hydroxide (46.1% / 30% metallic copper equivalent)		
<b>FORMULATION</b>	water-dispersible granule		
<b>CHEM. FAMILY</b>	inorganic		
<b>GROUP NO.</b>	M1	<b>REI</b>	48 hours
<b>SIGNAL WORD</b>	caution		
<b>PACKAGE SIZE</b>	10 lb bag (4 per case), 30 lb bag		



#### KEY PERFORMANCE BENEFITS

- Small particle size results in excellent coverage and disease protection
- Stable WG formula pours easily and disperses quickly
- High copper ion bioavailability product means lower use rates and smaller pack sizes
- Controls plant pathogenetic fungi and bacteria (non-public health bacteria)
- OMRI Listed<sup>®</sup> for use in organic crop production

#### KEY USES

Alfalfa, almonds, apples, apricots, avocado, barley, beans, berries, carrots, celery, cherries, citrus, garlic, grapes, hops, leek, oats, onions, peaches, pears, peas, pecans, peppers, pistachio, plums, potatoes, prunes, strawberries, tomatoes, walnuts, wheat

#### KEY DISEASES CONTROLLED

Various blights, mildews, leaf spots and other pathogens  
(see label for complete list)

### FUNGICIDES Control diseases to maximize yield and quality

## Agri Tin<sup>®</sup> Flowable

Agri Tin<sup>®</sup> fungicide provides outstanding multi-site protection from fungal activity. Agri Tin is a cost-effective TPTH that gives the grower a superior choice in tin products.

<b>EPA REG. NO.</b>	55146-84		
<b>ACTIVE INGR.</b>	triphenyltin hydroxide (40% / 4 lbs/gal)		
<b>FORMULATION</b>	liquid		
<b>CHEM. FAMILY</b>	triphenyltin		
<b>GROUP NO.</b>	30	<b>REI</b>	48 hours
<b>SIGNAL WORD</b>	danger	<b>RESTRICTED-USE</b>	
<b>PACKAGE SIZE</b>	120 oz container (4 per case), 2.5 gal container (2 per case)		

#### KEY PERFORMANCE BENEFITS

- Actively controls several disease causing fungi
- Multi-site mode of action
- Liquid formulation that offers superior coverage and control
- Excellent rainfastness
- Resistance management for strobilurins and sterol-inhibitors

#### KEY USES

Pecans, potatoes, sugarbeets

#### KEY DISEASES CONTROLLED

PECAN: Leaf blotch, scab  
POTATO: Early and late blight  
SUGARBEET: Cercospora leaf spot  
(see label for complete list)

Agri Tin<sup>®</sup> Flowable is an EPA Restricted-Use Pesticide. Always read and follow label directions.

## Phostrol<sup>®</sup>

Phostrol<sup>®</sup> Agricultural Fungicide is one of the few phosphorous acids labeled as a fungicide. A neutral pH requires no buffering and allows integration with many other fungicides. These traits allow for compatibility in tank mixes, making Phostrol an excellent fit for any disease management program.

<b>EPA REG. NO.</b>	55146-83		
<b>ACTIVE INGR.</b>	mono- and dibasic sodium potassium and ammonium phosphites (53.6%)		
<b>FORMULATION</b>	liquid		
<b>CHEM. FAMILY</b>	phosphite		
<b>GROUP NO.</b>	33	<b>REI</b>	4 hours
<b>SIGNAL WORD</b>	caution		
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 250 gal tote		

#### KEY PERFORMANCE BENEFITS

- Provides prevention and control of a broad spectrum of diseases
- Clear, virtually odorless formulation
- No buffer necessary

#### KEY USES

Asparagus, avocado, blueberries, citrus, cranberries, cucurbit crops, grapes, hops, leafy vegetables, nut crops, onions, potatoes, tomatoes

#### KEY DISEASES CONTROLLED

FOLIAR APPLICATION: Late blight, pink rot, Pythium leak  
POST-HARVEST: Late blight, pink rot, silver scurf  
(see label for complete list)

Nufarm

## T-Methyl 4.5 F

Thiophanate-methyl, the active ingredient in Nufarm T-Methyl 4.5 F fungicide, effectively protects a broad spectrum of crops against a wide range of diseases including powdery mildew, rusts, brown spot, brown rot, Fusarium and Rhizoctonia root rot with effective, systemic disease control.

<b>EPA REG. NO.</b>	228-652		
<b>ACTIVE INGR.</b>	thiophanate-methyl (46.2%)		
<b>FORMULATION</b>	liquid		
<b>CHEM. FAMILY</b>	thiophanates		
<b>GROUP NO.</b>	1	<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	caution		
<b>PACKAGE SIZE</b>	2.5 gal container (2 per case), 250 gal tote		

#### KEY PERFORMANCE BENEFITS

- Offers thorough protection against a broad spectrum of diseases across dozens of crops
- Excellent tank-mix option
- Works systemically to protect new growth

#### KEY USES

Almonds, apples, beans, cherries, cucurbits, peaches, peanuts, pecans, pistachios, potatoes, soybeans, strawberries

#### KEY DISEASES CONTROLLED

Black pox, black rot, blossom blight, brooks fruit spot, brown rot, flyspeck, leaf spot, limb rot, powdery mildew, rust, scab, sooty blotch, web blotch  
(see label for complete list)



# Ultra Flourish®

Ultra Flourish® Agricultural Fungicide protects many crops from harmful soil diseases caused by Pythium and Phytophthora species. Ultra Flourish's systemic mode of action prevents spore production and inhibits mycelial growth of fungus and improves crop health and vigor.

<b>EPA REG. NO.</b>	55146-73		
<b>ACTIVE INGR.</b>	mefenoxam (25.1% / 2 lbs/gal)		
<b>FORMULATION</b>	emulsifiable concentrate		
<b>CHEM. FAMILY</b>	phenylamide		
<b>GROUP NO.</b>	4	<b>REI</b>	48 hours
<b>SIGNAL WORD</b>	warning		
<b>PACKAGE SIZE</b>	1 gal container (4 per case), 2.5 gal container (2 per case)		

## KEY PERFORMANCE BENEFITS

- Highly active fungicide formulation
- Can be applied in combination with liquid fertilizers or saturated into dry fertilizers
- Excellent crop safety
- Provides efficient control of foliar and soil diseases in a wide variety of crops

## KEY USES

Asparagus, citrus, cole crops, cucurbit vegetables, eggplant, leafy vegetables, onions, peppers, potatoes, root and tuber vegetables, sugarbeets, tobacco, tomatoes

## KEY DISEASES CONTROLLED

Brown rot, citrus foot rot, crown rot, gummosis, root rot, spear rot  
(see label for complete list)

## BACTERICIDES Industry standard for bacterial disease control

# Agri-Mycin® 50

Agri-Mycin® 50 protects apples, pears and other crops against bacterial diseases such as fire blight.

<b>EPA REG. NO.</b>	55146-98		
<b>ACTIVE INGR.</b>	streptomycin sulfate (65.8% / equivalent to 50% streptomycin)		
<b>FORMULATION</b>	wettable powder		
<b>CHEM. FAMILY</b>	glucopyranosyl		
<b>GROUP NO.</b>	25	<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	caution		
<b>PACKAGE SIZE</b>	3 lb bag (6 per case)		

## KEY PERFORMANCE BENEFITS

- Protectant bactericide
- Provides 3 to 4 days of dependable protection
- Easy on plants and animals
- Compatible with most pesticide

## KEY USES

Apples, celery, pears, pepper, potato, tobacco, tomato, tree crops

## KEY DISEASES CONTROLLED

Bacterial blight, bacterial spot, blue mold, fire blight, soft rot blackleg, wildfire  
(see label for complete list)



Mycoshield® controls fire blight in apples and pears and bacterial spot in nectarines and peaches. Can be used in combination or rotation with Agri-Mycin® and other bactericides, and is compatible with most pesticides commonly used in orchards. Mycoshield provides suppression of Huanglongbing (HLB) and citrus canker in citrus trees.

<b>EPA REG. NO.</b>	55146-97		
<b>ACTIVE INGR.</b>	calcium oxytetracycline (17.7% / equivalent to 17% oxytetracycline)		
<b>FORMULATION</b>	wettable powder		
<b>CHEM. FAMILY</b>	tetracycline bactericide		
<b>GROUP NO.</b>	41	<b>REI</b>	12 hours
<b>SIGNAL WORD</b>	warning		
<b>PACKAGE SIZE</b>	2 lb bag (10 per case)		

## KEY PERFORMANCE BENEFITS

- Controls fire blight in apples and pears and bacterial spot in peaches and nectarines
- Provides suppression of HLB and citrus canker
- Essential part of resistance management programs
- Gentle protectant bactericide – does not alter appearance or growth of fruit
- Long-lasting preventive control

## KEY USES

Apples, citrus, nectarines, peaches, pears

## KEY DISEASES CONTROLLED

Bacterial spot (on nectarines and peaches), canker (on citrus), fire blight (on apples and pears), HLB and citrus canker suppression (on citrus)  
(see label for complete list)

## NOTES





# Naxypro<sup>®</sup>

## RESULTS WORTH BRAGGING ABOUT

**Don't let pests or big-brand chlorantraniliprole eat away your bottom line.**

Naxypro<sup>®</sup> Plus Insecticide provides fast, effective control of lepidoptera pests for up to three weeks with the firepower of leading chlorantraniliprole formulas. Soft on beneficials, better on your wallet. **It's open season, win with Naxypro.**

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