nufarm

Potato
Solution Guide



Evolving Ag

SOLUTIONS OVERVIEW

Use this grid for a quick overview of Nufarm solutions for your crop.

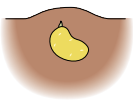
SEED TREATMENTS
Blackleg, soft rot
Aphids (green peach, potato), Colorado potato beetles, flea beetles, hoppers, leafminers, psyllids, whiteflies
Dry rot, black scurf and stem canker, silver scurf
Decay, damping-off, and seedling blight caused by seed- and soil-borne fungi
Dry rot, black scurf and stem canker, silver scurf
HERBICIDES / DESICCANTS
Potato vine desiccation
Potato vine desiccation
Lambsquarters, mustard, nightshades, pigweeds, prickly lettuce, prickly sida, radish
Control of many broadleaf and grassy weeds
INSECTICIDES
Colorado potato beetles, Liriomyza leafminers, potato psyllids, spider mites
Aphids, Colorado potato beetle, flea beetles, leafhoppers, potato psyllids
Armyworm, Colorado potato beetles, European corn borer, grasshoppers, potato tuberworm
Armyworm, Colorado potato beetles, European corn borer, leafminers, loopers, thrips
FUNGICIDES
Early and late blight, Colorado potato beetles suppression
Early and late blight, Colorado potato beetles suppression
Early and late blight
Late blight, pink rot, Pythium leak, silver scurf
Pink rot, Pythium leak, Pythium seedling disease

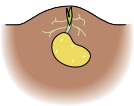
See label for full use site and application details. Always read and follow label directions.

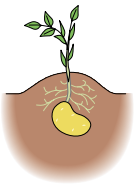
PRODUCT	ACTIVE INGREDIENT	RE-ENTRY INTERVAL	PRE-HARVEST INTERVAL
Agri-Mycin 50	Streptomycin Sulfate	N/A	N/A
Elliptica	Thiamethoxam	N/A	N/A
Salient 372 FS	Difenoconazole	N/A	N/A
Spirato 480 FS	Fludioxonil	N/A	N/A
ST-Methyl 540 FS	Thiophanate-methyl	N/A	N/A
Cheetah	Glufosinate Ammonium	12 hours	9 days
Nufarm Diquat 2L	Diquat Dibromide	24 hours	7 days
Panther XLR	Flumioxazin	12 hours	N/A
Grapple	Rimsulfuron	4 hours	30 days
Abamex	Abamectin	12 hours	14 days
Nuprid 4F MAX	Imidacloprid	12 hours	7 days
Naxypro	Chlorantraniliprole	4 hours	14 days
Exsolant XHL	Spinosad	4 hours	7 days
Agri Tin Flowable	Triphenyltin Hydroxide	48 hours	7 days
Champ Formula 2 Flowable	Copper Hydroxide	48 hours	0 days
ChampION++	Copper Hydroxide	48 hours	0 days
Phostrol	Phosphite	4 hours	0 days
Ultra Flourish XHL	Mefenoxam	48 hours	14 days

POTATO CALENDAR

Plan your growing season with Nufarm solutions for weed, insect and disease control.

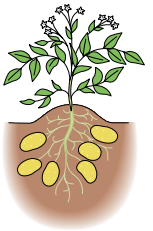


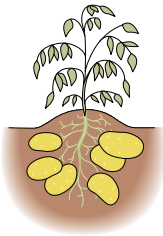


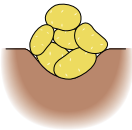


PLANTING (SEED TREATMENT)	BEFORE GROUND CRACK / HILLING	VEGETATIVE GROWTH
Agri-Mycin 50	Exsolant XHL	Abamex
Elliptica	Grapple	Exsolant XHL
Exsolant XHL	Naxypro	Grapple
Nuprid 4F MAX	Nuprid 4F MAX	Naxypro
Salient 372 FS	Panther XLR	Nuprid 4F MAX
Spirato 480 FS		
ST-Methyl 540 FS		
Ultra Flourish XHL		









TUBER INITIATION	TUBER BULKING	MATURATION	POST HARVEST
Abamex	Abamex	Agri Tin Flowable	Phostrol
Agri Tin Flowable	Agri Tin Flowable	Cheetah (desiccation)	
Champ Formula 2 Flowable	Champ Formula 2 Flowable	Nufarm Diquat 2L (desiccation)	
ChampION++	ChampION++	Phostrol	
Exsolant XHL	Exsolant XHL		
Naxypro	Naxypro		
Nuprid 4F MAX	Nuprid 4F MAX		
Phostrol	Phostrol		
Ultra Flourish XHL	Ultra Flourish XHL		

GROUP 25 FUNGICIDE

Agri-Mycin® 50

PROVEN BACTERICIDE FOR SEED PROTECTION.

Agri-Mycin® 50 is a protectant bactericide labeled for use on potato seed pieces. As a potato seed treatment, Agri-Mycin 50 delivers proven control over blackleg and soft rot. Combine Agri-Mycin with other fungicides, such as a dithiocarbamate active ingredient, to increase control of fungal diseases associated with potato seed pieces.

ACTIVE INGREDIENT

streptomycin sulfate 65.8% (equivalent to 50% streptomycin base)

BENEFITS OF AGRI-MYCIN 50

- Effective control against blackleg and soft rot
- Compatible with other fungicide products for increased spectrum of disease control

KEY DISEASES CONTROLLED See label for complete list

Blackleg, soft rot

APPLICATION GUIDELINES

Soak cut seed pieces in 100 ppm prepared solution for several minutes and plant as usual.

A suitable fungicide should be used as an adjunct to this treatment for the control of fungal diseases associated with potato seed pieces.

See label for complete directions for use.

GROUP 4A FUNGICIDE

Elliptica™

POWERFUL INSECT CONTROL AND IMPROVED PLANT HEALTH.

Elliptica™ gives growers a powerful, broad-spectrum tool for protection against early-season sucking, chewing, and other soil pest. Thiamethoxam is a systemic active ingredient that moves throughout the plant and stops pest from feeding within hours of consumption.

ACTIVE INGREDIENT

thiamethoxam (5 lb/gal) (600 g/L)

BENEFITS OF ELLIPTICA

- Easy season protection against insects
- Compatible with a broad range of standard seed treatments
- Systemic active ingredient
- Demonstrated vigor effect and improved plant health

KEY PESTS CONTROLLED See label for complete list

Use Elliptica seed treatment to provide protection against injury from Colorado potato beetles, flea beetles, green peach aphids, leafhoppers, leafminers, potato aphids, psyllids, and whiteflies. Elliptica will also control wireworms that feed on the seed piece.

APPLICATION GUIDELINES

Select the appropriate Elliptica rate based upon the history of pest pressure in the region, the length of the growing season and your seeding rate.

See label for complete directions for use.

GROUP 3 FUNGICIDE

Salient™ 372 FS

POWERFUL PROTECTION FOR POTATO SEED.

Prevent disease with new Salient™ 372 FS Seed Treatment from Nufarm. Difenoconazole, the active ingredient in Salient, delivers excellent protection to potato seed against devastating early-season seed rots, root rots and damping-off.

ACTIVE INGREDIENT

difenoconazole (372 g/l)

BENEFITS OF SALIENT 372 FS

- Provides broad-spectrum disease control with low use rates
- Controls seed- and soil-borne diseases as listed on label
- Allows for reduced rates of fludioxonil
- Prevents resistance development
- Compatible formulation
- Convenient 1 gal container (4 per case), 15 gal and 250 gal package sizes

KEY DISEASES CONTROLLED See label for complete list

Dry rot (*Fusarium* spp.), black scurf and stem canker (*Rhizoctonia solani*), silver scurf (*Helminthosporium solani*)

APPLICATION GUIDELINES

Apply as a seed treatment at 0.103 fl oz of product per 100 lb of seed using standard slurry or mist-type seed treatment equipment.

Use Salient 372 FS in a tank mix with Spirato® 480 FS (or equivalent fludioxonil product) to prevent or reduce the development of resistance to fludioxonil by *Fusarium* spp. that cause dry rot seed decay, seed-borne *Rhizoctonia* spp. that cause stem canker and tuber black scurf, and seed-borne *Helminthosporium solani* that causes silver scurf.

Not registered for use in California.
See label for complete directions for use.

GROUP 12 FUNGICIDE

Spirato® 480 FS

PROTECT AND IMPROVE FOR THE STRONGEST START.

Spirato® seed treatment fungicide helps give potato crops the best shot at a strong, healthy stand. Spirato contains a proven active ingredient, fludioxonil, to prevent early-season damage from decay, damping-off, and seedling blight caused by seed-borne and soil-borne fungi.

ACTIVE INGREDIENT

fludioxonil 40.3%

BENEFITS OF SPIRATO 480 FS

- Protects against decay, damping-off and blight for a strong start to help maximize yield potential
- Provides excellent protection at very low rates
- Low use rates allow room for other materials (such as inoculants) to be applied to the seed
- Excellent seed and crop safety
- Formulation compatible with other products in the slurry mixture
- Labeled for use on a wide variety of crops

KEY DISEASES CONTROLLED See label for complete list

Decay, damping-off, and seedling blight caused by seed-borne and soil-borne fungi

APPLICATION GUIDELINES

Apply at 0.08 to 0.16 fl oz of product per 100 lb of seed, propagating root, tuber material. Spirato 480 FS applications to potato seed pieces must be made only through specific types of equipment.

See label for complete directions for use.

GROUP 1 FUNGICIDE

ST-Methyl 540 FS

PLANT PROTECTION STARTS WITH SEED PROTECTION.

ST-Methyl 540 FS gives growers economical early-season disease protection against dry rot, black scurf, stem canker and silver scurf in potatoes. ST-Methyl 540 FS protects during critical development stages to improve stands and yield. Plus, ST-Methyl 540 FS can help enhance the performance of other fungicides, especially for Rhizoctonia and Fusarium control.

ACTIVE INGREDIENT

thiophanate-methyl (540 g/l)

BENEFITS OF ST-METHYL 540 FS

- Offers economical, broad-spectrum disease protection
- Helps improve stands and encourages stronger, healthier roots
- Enhances performance of other fungicides in tough-to-control situations, especially for Rhizoctonia and Fusarium
- Proven chemistry worldwide
- Seed-safe formulation that mixes well with other seed protectants

KEY DISEASES CONTROLLED See label for complete list

Dry rot (*Fusarium* spp.), black scurf and stem canker (*Rhizoctonia solani*), silver scurf (*Helminthosporium solani*)

APPLICATION GUIDELINES

Apply at 0.5 to 0.7 fl oz of product per 100 lb of seed pieces and ensure that cut seed pieces are thoroughly coated with ST-Methyl 540 FS.

For improved protection against the listed diseases that originate from surface infestations of potato seed pieces apply this product in combination with a product that is active on the targeted disease(s) and use a treatment following application to absorb liquid from the seed piece.

See label for complete directions for use.

GROUP 10 HERBICIDE

Cheetah®

SATISFACTION: CLEANER. QUICKER. CHEETAH®.

Cheetah® Herbicide offers outstanding potato vine desiccation activity. By enhancing natural senescence, Cheetah can help potatoes add bulk while vines desiccate, leading to larger, easier harvests. Cheetah also burns down weeds — even glyphosate-resistant species — fast.

ACTIVE INGREDIENT

glufosinate-ammonium 24.5%

BENEFITS OF CHEETAH

- Complete desiccation that complements natural process
- Potatoes 'bulk up' during desiccation, leading to improved yield

APPLICATION GUIDELINES

Apply 21 fl oz/A once per season.

Apply in 20 to 100 gal/A of water to ensure thorough coverage.

Apply using nozzles and pressures that generate a medium (about 250 to 350 microns) spray droplet.

- Re-entry interval: 12 hours
- Pre-harvest interval: 9 days
- Maximum applications per harvest: 1*

See label for complete directions for use.
* Do not split applications.

GROUP 22 HERBICIDE

Nufarm

Diquat 2L

A BETTER CHOICE FOR A CLEANER HARVEST.

Nufarm Diquat 2L Herbicide provides desiccation of green plant material on contact, enabling faster, cleaner, more efficient harvest. Count on Diquat 2L for economical pre-harvest vine kill.

ACTIVE INGREDIENT

diquat dibromide 37.3%

BENEFITS OF DIQUAT 2L

- Quick desiccation — fast-acting, non-selective, foliar-applied, plant desiccant and plant herbicide allows growers to plan harvest timing
- Rainfast 30 minutes after application
- 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

APPLICATION GUIDELINES

Apply 1 to 2 pints/A by ground or air according to the label for pre-harvest desiccation. Do not apply to potatoes that are drought stressed. Make a second application if necessary to obtain additional desiccation where vine growth is dense.

For improved vine coverage, a 5-day interval is recommended between applications.

- Re-entry interval: 24 hours
- Pre-harvest interval: 7 days
- Application rate: 1–2 pts/A
- Minimum total spray volume: 20 gals/A (ground), 5 gals/A (air)
- Maximum application rate per year: 4 pts/A

See label for complete directions for use.

GROUP 14 HERBICIDE

Panther® XLR

PANTHER XLR: THE POWER TO DO MORE.

Panther® XLR herbicide combines all labeled Panther SC and Tuscany® SC crops into one flexible label. This proven leader provides residual activity on key broadleaf weeds in potato production including pigweeds and nightshades.

ACTIVE INGREDIENT

flumioxazin 41.4%

BENEFITS OF PANTHER XLR

- Controls a broad spectrum of annual broadleaf and grass weeds, including most broadleaf weeds resistant to glyphosate
- Convenient liquid formulation makes mixing and loading faster and easier
- Offers long-lasting residual control to keep fields clean
- Flexible rotation options allow you to pick the crop that maximizes your profits
- Enhanced speed of control on a broader weed spectrum in labeled burndown programs

KEY WEEDS CONTROLLED See label for complete list

Lambsquarters (common), mustard (wild), nightshades, pigweeds, prickly lettuce, prickly sida, radish (wild)

APPLICATION GUIDELINES

Timing to potatoes: Apply to potatoes after hilling for the preemergence suppression of the weeds

Timing to weeds: Preemergence - Soil Covered Potatoes, Preemergence to Weeds

- Application rate: 1.5 fl oz/A

For Potato Use Only in: AZ, CA, CO, DC, DE, FL, HI, ID, MD, MN, MT, NC, ND, NE, NJ, NM, NV, OR, SC, SD, TX, UT, VA, WA, and WY.

See label for complete directions for use.

GROUP 2 HERBICIDE

Grapple®

EXCELLENT WEED CONTROL FOR POTATOES.

Keep weeds under control with Grapple® Herbicide. Grapple delivers outstanding weed control on many crops, but it's designed with the unique challenges of potatoes in mind. Count on Grapple to knock down existing weeds and keep beds clean with lasting residual. Plus, Grapple is tank mix compatible with many pre-emergence herbicides for added weed control.

ACTIVE INGREDIENT

rimsulfuron 25.0%

BENEFITS OF GRAPPLE

- Outstanding broad-spectrum pre- and post-emergence control of many weeds
- Formulated to deliver excellent results and labeled for use on a wide range of crops, including potatoes
- Long-lasting residual control

KEY WEEDS CONTROLLED See label for complete list

Pre-emergence: Barnyardgrass, chamomile, cocklebur*, crabgrass*, filaree, foxtail, henbit, kochia, lambsquarters (common), mustard, nightshade*, pigweed, purslane, ragweed, velvetleaf*, wheat, wild oat*

Post-emergence: Barley, barnyardgrass, bluegrass, cocklebur*, crabgrass, foxtail, henbit, johnsongrass (seedling), kochia, lambsquarters (common*), millet (wild proso*), morningglory (ivyleaf*), mustard, nightshade (hairy*), panicum, pigweed, quackgrass*, ragweed (common*), stinkgrass*, wheat, wild oat*, wild radish

APPLICATION GUIDELINES

Pre-emergence: Apply at 1 to 1.5 oz/A immediately after hilling, drag-off or reservoir tillage (dam/dike operation) to a clean, newly prepared seedbed.

Post-emergence: Apply at 1 to 1.5 oz/A to young, actively growing weeds after crop emergence. Typically, small weeds (less than 1 inch in height or diameter) that are actively growing at application are most easily controlled.

- Rainfast: 4 hours
- Pre-harvest interval: 30 days
- Maximum application rate per year: 2.5 fl oz/A

See label for complete directions for use.
* partial control

GROUP 6 INSECTICIDE

Abamex®

TARGET MITES AND OTHER TOUGH PESTS.

For years, abamectin has provided growers with a powerful tool to protect crops against leafminers, mites, psyllids, Colorado potato beetles and other pests. Now, new Abamex® packages that power in a low-volatility, water-based formulation. Abamex starts working quickly to affect pests within hours of exposure. Its translaminar activity means it protects the entire leaf, inside and out. And, selective chemistry makes it a useful rotation partner for resistance management programs.

ACTIVE INGREDIENT

abamectin 2.0%

BENEFITS OF ABAMEX

- Control mites and leafminers, Colorado potato beetles
- Controls potato psyllids that vector diseases such as zebra chip
- Flexible application timing in an easy-to-use, low-volatility liquid formulation

KEY PESTS CONTROLLED See label for complete list

Colorado potato beetles, Liriomyza leafminers, potato psyllids, spider mites

APPLICATION GUIDELINES

Apply 8 to 16 fl oz/A using conventional ground or aerial application*. Apply when mites and adult leafminer flies first appear. Use sufficient volumes of water to ensure thorough foliage coverage.

If needed, a second application may be made but allow at least 7 days between applications.

- Re-entry interval: 12 hours
- Pre-harvest interval: 14 days
- Spray interval: 7 days
- Maximum application rate per year: 32 fl oz/A for spider mites and Colorado potato beetle, 48 fl oz/A for leafminers

Abamex® is an EPA Restricted-Use Pesticide. Always read and follow label directions.
See label for complete directions for use.
* Do not apply by air in New York state.

GROUP 4A INSECTICIDE

Nuprid® 4F MAX

PROVEN, BROAD-SPECTRUM INSECT CONTROL.

Nuprid® 4F MAX systemic insecticide provides lasting broad spectrum control. Labeled for soil, foliar or seed piece application, it offers outstanding control of aphids, Colorado potato beetles, leafhoppers and many other piercing and sucking pests.

ACTIVE INGREDIENT

imidacloprid 40.4%

BENEFITS OF NUPRID 4F MAX

- Selective control of Colorado potato beetles, flea beetles and key piercing/sucking insects
- Expanded label allows for soil, foliar or seed piece application
- Helps stop transmission of many insect vectored diseases
- Readily mixes with other tank-mix partners

KEY PESTS CONTROLLED See label for complete list

Aphids, Colorado potato beetles, flea beetles, leafhoppers, potato psyllids

APPLICATION GUIDELINES

For soil application, apply Nuprid 4F MAX at 0.45 to 0.65 fl oz/1,000 row-feet in one of the following methods: 1) in-furrow spray during planting directed on seed pieces; 2) subsurface side-dress on both sides of the row covered with 3 or more inches of soil; 3) narrow band spray at ground cracking directly over the row during hilling covered with 3 or more inches of soil; 4) narrow band directly below the eventual seed row in a bedding operation 7 or fewer days before planting. For foliar application, apply Nuprid 4F MAX at 1.5 fl oz/A. Nuprid 4F MAX may also be applied as a seed treatment, see labels for complete directions.

- Pre-harvest interval: 7 days
- Spray interval: 7 days
- Maximum application rate per year: 10 fl oz/A soil application; 6.4 fl oz/A foliar application

See label for complete directions for use.

GROUP 28 INSECTICIDE

Naxypro®

EFFICIENT, LONG LASTING CONTROL OF LEPIDOPTERAN INSECT PESTS.

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

ACTIVE INGREDIENT

chlorantraniliprole (1.69 lb/gal)

BENEFITS OF NAXYPRO

- 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 PESTS CONTROLLED See label for complete list

Armyworm, Colorado potato beetle, European corn borer, grasshoppers, potato tuberworm

APPLICATION GUIDELINES

Apply 4 to 5 fl oz/A for grasshoppers; up to 6 fl oz/A for all other listed pests. When used in combination with another fungicide registered for disease control on potatoes, a 3 fl oz rate may be employed.

Ground (Closed Cabs Only): Apply in at least 15 gallons of water.

Aerial: Apply in 5 to 10 gallons of water.

Chemigation: Diluted spray should be directed uniformly to all parts of the plant and the gallonage increased according to the size of the plants.

Application should begin with the appearance of blight weather conditions and continue on a 7-day schedule.

- Re-entry interval: 4 hours
- Pre-harvest interval: 14 days
- Re-treatment interval: 5 days
- Maximum application rate per year: 15.4 fl oz/A

Not registered for use in California
See label for complete directions for use.

GROUP 28 INSECTICIDE

Exsolant® XHL

EXPAND YOUR OPTIONS FOR EFFECTIVE BROAD ACRE BIOLOGICAL INSECT CONTROL.

Exsolant® XHL by Nufarm broadens your options with a spinosad based insecticide, bringing a quality, proven effective natural solution to control a variety of pests through both contact and ingestion. Dial in protection from yield-biting pests such as armyworm, codling moth, leafminers and thrips while preserving beneficial insects. Gain residual activity and a fast, four-hour re-entry interval. Formulated for broad acres crops, the natural choice is Exsolant XHL.

ACTIVE INGREDIENT

spinosad 44%

BENEFITS OF EXSOLANT XHL

- Natural and highly active
- Higher loaded AI formulation (4 lb/gal vs Blackhawk® SC 2.9 lb/gal)*
- Unique Group 5 mode of action
- Versatile resistance management tool
- Apply as foliar or directed fine spray
- Fast, four-hour REI
- Soft on beneficials; optimal IPM tool where pollinators are a concern

KEY PESTS CONTROLLED See label for complete list

Armyworm, Colorado potato beetle, European corn borer, leafminers, loopers, thrips

APPLICATION GUIDELINES

Application Rate: Apply as a foliar spray at the labeled rate specified to control target pests. Use a higher rate in the rate range for larger larvae or heavier infestations. Heavy infestations may require repeat applications but follow resistance management guidelines.

Application Timing: For determining when to treat, scout with enough regularity to monitor the population size of each of the labeled pests. Treat when pests appear, targeting eggs at hatch or small larvae. When plants are growing rapidly, repeat applications may be necessary to protect new foliage.

See label for complete directions for use.

GROUP 30 FUNGICIDE

Agri Tin® Flowable

PROVEN DISEASE CONTROL.

Agri Tin® Flowable Fungicide gives growers a superior choice in protectant fungicides. The advanced tin formulation is easy to use, efficacious in the field and offers resistance management when used in integrated disease control programs.

ACTIVE INGREDIENT

triphenyltin hydroxide 40%

BENEFITS OF AGRI TIN FLOWABLE

- Actively controls several disease causing fungi
- Multi-site mode of action
- Resistance management for strobilurins and sterol-inhibitors
- Suppression of Colorado potato beetle

KEY DISEASES CONTROLLED See label for complete list

Early and late blight + Colorado potato beetle suppression

APPLICATION GUIDELINES

Apply 4 to 6 fl oz/A. When used in combination with another fungicide registered for disease control on potatoes, a 3 fl oz rate may be employed.

Ground (Closed Cabs Only): Apply in at least 15 gallons of water.

Aerial: Apply in 3 to 10 gallons of water.

Chemigation: Diluted spray should be directed uniformly to all parts of the plant and the gallonage increased according to the size of the plants.

Application should begin with the appearance of blight weather conditions and continue on a 7-day schedule.

- Re-entry interval: 48 hours
- Pre-harvest interval: 7 days
- Spray interval: 7 days
- Maximum application rate per year: 4 lb/gal
- Maximum rate per application: 6 fl oz/A

Agri Tin® Flowable is an EPA Restricted-Use Pesticide. Always read and follow label directions.
See label for complete directions for use.

GROUP M1 FUNGICIDE

Champ® Formula 2 Flowable

DON'T SETTLE FOR LESS.

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

ACTIVE INGREDIENT

copper hydroxide 37.5% (24.4% metallic copper equivalent)

BENEFITS OF CHAMP FORMULA 2 FLOWABLE

- Excellent control of key diseases
- Uniformly optimized crystal size combined with state-of-the-art surfactants means Champ Formula 2 Flowable provides excellent leaf coverage and performs better
- Long shelf life
- Pours and mixes easily – even after extended storage

KEY DISEASES CONTROLLED See label for complete list

Early and late blight + Colorado potato beetle suppression

APPLICATION GUIDELINES

Apply 0.66 to 2.66 pints/A. Apply at 5 to 10 day intervals starting when plants are 6 inches high. Apply the lower rate in those locations where disease is light and the higher rate where disease is severe.

- Re-entry interval: 48 hours
- Spray interval: 5 days
- Maximum application rate per year: 69 pts/A

See label for complete directions for use.

GROUP M1 FUNGICIDE

ChampION®++

SMALLEST COPPER PARTICLES, MORE COMPLETE CONTROL.

ChampION++® Fungicide/Bactericide has the smallest, most uniform copper particle distribution of any WG copper formulation. The result: better coverage and better disease control. And, ChampION++ delivers all that with less environmental load than high dose copper products.

ACTIVE INGREDIENT

copper hydroxide 46.1% (30% metallic copper equivalent)

BENEFITS OF CHAMPION++

- Small particle size results in excellent coverage and disease protection
- Stable WG formula pours easily and disperses quickly
- High bioavailability copper product means lower use rates and smaller pack sizes
- OMRI Listed® for organic crop production

KEY DISEASES CONTROLLED See label for complete list

Early and late blight

APPLICATION GUIDELINES

Apply 0.5 to 1.75 lbs/A starting when plants are 2 to 6 inches high. Apply the lower rate in those locations where disease is light and the higher rate where disease is severe. Tank mixing this product with other registered potato fungicides will improve disease control under severe disease conditions.

- Re-entry interval: 48 hours
- Spray interval: starting at 5-10 days
- Maximum application rate per year: 83.3 lbs/A

See label for complete directions for use.

GROUP 33 FUNGICIDE

Phostrol®

SYSTEMIC ACTIVITY FOR EFFECTIVE DISEASE CONTROL.

Phostrol® Agricultural Fungicide is a phosphorous acid 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. Phostrol applied postharvest (as potatoes are going into storage) provides effective control of pink rot, late blight and silver scurf.

Consult your crop protection retailer or Nufarm sales representative for more information on setting up a post-harvest application system.

ACTIVE INGREDIENT

mono- and di-basic sodium, potassium, and ammonium phosphites 53.6%

BENEFITS OF PHOSTROL

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

KEY DISEASES CONTROLLED See label for complete list

In-furrow application: Storage rot diseases (pink rot, Pythium leak)

Foliar application: Late blight + storage rot diseases (pink rot, Pythium leak)

Post-harvest: Late blight, pink rot, silver scurf

APPLICATION GUIDELINES

Apply first foliar application when tubers are dime size, with subsequent applications at 14 day intervals as needed.

For post-harvest disease control, apply 12.8 fl oz of this product in a total spray volume at 64 fl oz/T of tubers.

- Re-entry interval: 4 hours
- Spray interval: 4 days

See label for complete directions for use.

GROUP 4 FUNGICIDE

Ultra Flourish® XHL

PROTECT AND IMPROVE.

Ultra Flourish® XHL brings the power of mefenoxam in a higher-load formulation and provides protection across many crops against harmful soil-borne diseases caused by *Pythium* and *Phytophthora* species. Its systemic mode of action prevents spore production, inhibits mycelial growth of fungus and improves crop health and vigor.

ACTIVE INGREDIENT

mefenoxam (45.3%)

BENEFITS OF ULTRA FLOURISH XHL

- Highly active fungicide formulation with excellent crop safety
- Can be applied in combination with liquid fertilizers or impregnated onto dry fertilizers
- Provides efficient control of soil, foliar and storage rot diseases

KEY DISEASES CONTROLLED See label for complete list

In-furrow application: Pink rot, Pythium leak, Pythium seedling disease

Control of storage rot: Pink rot, Pythium leak

APPLICATION GUIDELINES

In-furrow application: Apply to row on a 6- to 8-inch band at planting in a minimum of 3 gal of water per acre. Make application directly over the seed pieces prior to row closure.

Control of storage rot: Make foliar applications beginning at flowering and repeat after 14 days. Make a third application 14 days after the second application to fields that have a history of storage rot. Tank mix this product with chlorothalonil or mancozeb when conditions favor foliar disease outbreaks.

- Re-entry interval: 48 hours
- Pre-harvest interval: 14 days
- Maximum annual soil application rate for potato: 0.34 lb ai/A
- Maximum annual foliar application rate for potato: 0.4 lb ai/A

See label for complete directions for use.

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Abamex® and Agri Tin® Flowable are EPA Restricted-Use Pesticides. Always read and follow label directions.

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