ADAMA

WE ARE

All In on Potatoes

2024 POTATO GUIDE | EASTERN CANADA

Listen • Learn • Deliver

ADAMA.COM

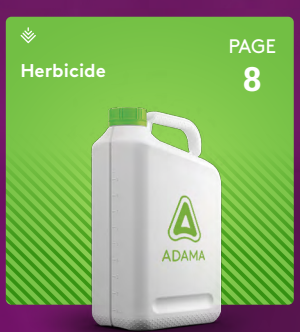
ADAMA

WE ARE

All In on you

We proudly offer a suite of ever-evolving herbicide, fungicide and insecticide options you can customize to create easy-to-use solutions that protect your ROI and deliver results.

Crop protection, built for you.



Learn More!
Scan this QR Code or visit:

AllinOnYou.ca

ADAMA

Our team has continued to expand our engagement with farmers and retailers across the country. Most exciting for us is that these conversations are increasingly happening in the field where we are demonstrating our new products and getting feedback on formulations in development. This interaction is the foundation of ADAMA's focus of being "All in on You".

Being 'All In' means we are investing in expanding our Canadian team, increasing our local research and development and adding resiliency to our supply chain.

We know that potato growers need a very full toolbox and we are responding to those challenges by incorporating what we've learned from you into our portfolio offerings.

We are active in the field in all areas of Eastern Canada, and are very excited about the many new products and formulations available now for our potato producers, as well as many upcoming solutions that are currently being screened for launch in the next five years.

This is our innovation commitment and it starts with your input. That is what it means to ADAMA to be **All In on You**.

Sincerely,

Cornie Thiessen
General Manager, Canada
ADAMA Agricultural Solutions

Listen ▸ Learn ▸ Deliver

ADAMA.COM

MAKE THE SWITCH TO ADAMA!

Want to 'make the switch to ADAMA but don't know which one of your current products could be replaced, and by which ADAMA solution? It's easy!

The chart below lists some of our leading products and the competitive product that they replace.

For more information about each product as well as rates, tank-mix partners and other information, visit **adama.com** or contact your ADAMA sales rep.

PRODUCT COMPARISONS

FUNGICIDE

PRODUCT WITH ACTIVE	PRODUCT REPLACED
CAPTAN 80 WSP CAPTAN	Supra® Captan 80 WDG Maestro® 80 DF
CAPTAN 480 SC NEW CAPTAN	Captan 48 SC
VANTANA™ NEW FLUAZINAM	Allegro® 500 F,

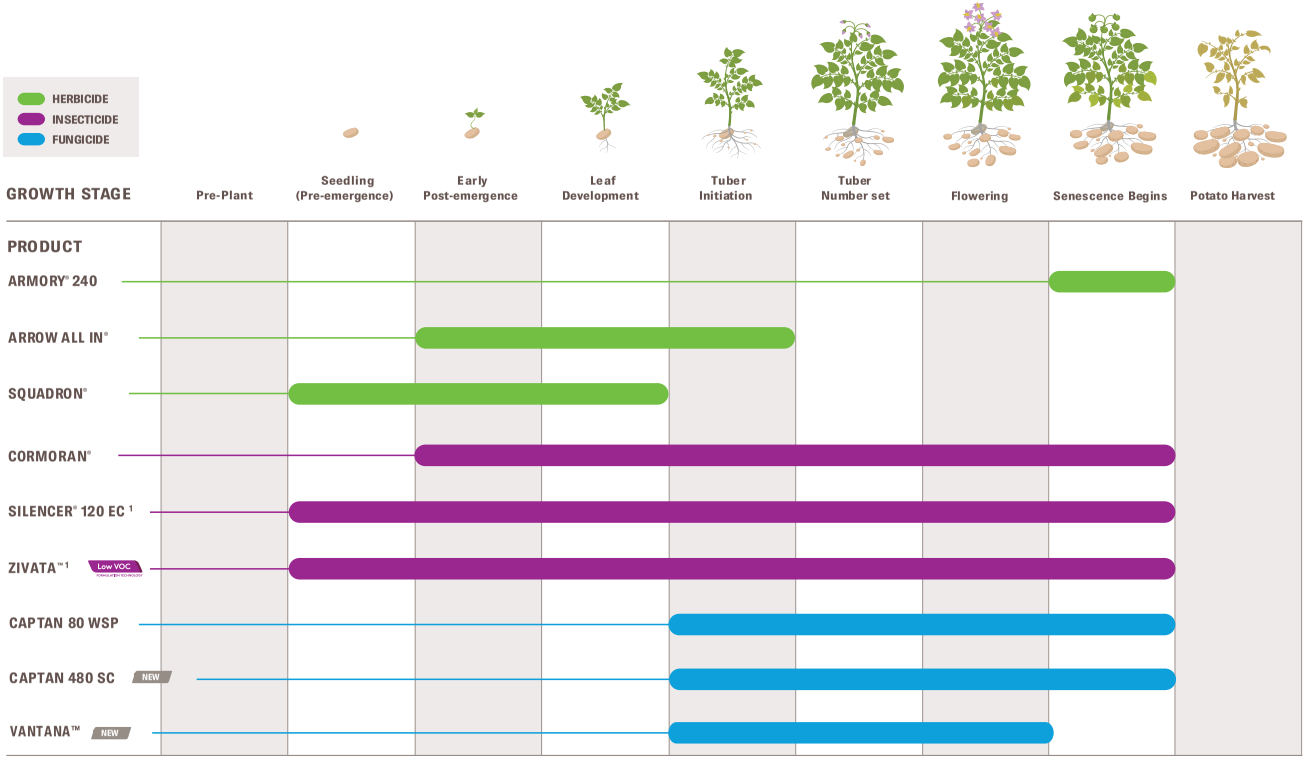
INSECTICIDE

PRODUCT WITH ACTIVE	PRODUCT REPLACED
CORMORAN® NOVALURON & ACETAMIPRID	Unique to ADAMA Replaces Rimon®, Assail® 70 WP
SILENCER® 120 EC LAMBDA-CYHALOTHRIN	Labamba Matador® 120 EC
SOMBRERO® 600 FS IMIDACLOPRID	Stress Shield®
ZIVATA™ Low VOC FORMULATION TECHNOLOGY LAMBDA-CYHALOTHRIN	Labamba Matador® 120 EC

HERBICIDE

	PRODUCT WITH ACTIVE	PRODUCT REPLACED
GRASSY WEEDS	**ARROW ALL IN®** CLETHODIM	Unique to ADAMA Formulation advancement compared to Select®, Statue™ and Clethodim 250
BROADLEAF WEEDS	**SQUADRON®** METRIBUZIN	Sencor® TriCor®
DESICCANT	**ARMORY® 240** DIQUAT	Reglone® Dessicash

POTATO GROWTH STAGE CHART & PRODUCT TIMING



Timing based on using the product alone. Please refer to tank-mix partners label for crop timing.
[1] Dependent of Pre-harvest Interval (PHI). DO NOT cut treated fields for silage/forage. DO NOT graze treated fields. DO NOT feed treated crops to livestock. For grasses/nongrasses grown for seed production only, DO NOT feed seed screenings and aftermath to livestock.

CONTROL TIPS FOR POTATOES

		Page
HERBICIDES	ARMORY® 240	9
	ARROW ALL IN®	10
	SQUADRON®	12
INSECTICIDES	CORMORAN®	15
	SILENCER® 120 EC	17
	ZIVATA™	19
FUNGICIDES	CAPTAN 80 WSP	23
	CAPTAN 480 SC	24
	VANTANA™	25

For tank mixes with registered pest control products, the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Buffer Zones must be followed for each product. In cases where these requirements differ between the tank-mix partner labels, the most restrictive label must be followed.

WEED CONTROL

REGISTERED HERBICIDES			
ARMORY® 240	ARROW ALL IN®	SQUADRON®	
			GRASSY WEEDS
	•	•	Barnyard Grass
	•	•	Fall Panicum
		•	Giant Foxtail
	•	•	Green Foxtail
	•		Persian Darnel
	•		Proso Millet
	•[1]		Quackgrass
	•		Volunteer Cereals
	•		Volunteer Corn
	•		Wild Oats
	•	•	Witch Grass
	•	•	Yellow Foxtail
			BROADLEAF WEEDS
		•	Cocklebur
		•	Kochia
		•	Lady's Thumb
		•	Lamb's Quarters
		•	Redroot Pigweed
		•	Russian Thistle
		•	Shepherd's Purse
		•	Stinkweed
		•[1]	Volunteer Canola
		•	Wild Buckwheat
		•	Wild Mustard
•			Desiccant

For a complete listing of weeds controlled for each product, please refer to the product label.

[1] Use highest rate listed for control.

INSECT CONTROL

REGISTERED INSECTICIDES			
CORMORAN®	SILENCER® 120 EC	ZIVATA™	
•	•	•	Aphid
•			Apple Maggot
•	•	•	Army Worm
	•	•	Bertha Armyworm
•			Blueberry Maggot
	•	•	Cabbage Seedpod Weevil
•	•	•	Codling Moth
•	•	•	Colorado Potato Beetle
	•	•	Corn Earworm
	•	•	Cutworm
•	•	•	Diamondback Moth
•			European Apple Sawfly
•	•	•	European Corn Borer
	•	•	Flea Beetle
	•	•	Grasshopper
•			Leaf Hopper
•	•	•	Lygus Bug
•	•	•	Oriental Fruit Moth
•	•	•	Plum Curculio
•			Spotted Wing Drosophila
•	•	•	Swede Midge
•			Tarnished Plant Bug
•			Tentiform Leaf Miner

For a complete listing of insects controlled for each product please refer to the product label.

DISEASE CONTROL

REGISTERED FUNGICIDES			
CAPTAN 80 WSP	CAPTAN 480 SC	VANTANA™	
•	•		Anthracnose
•	•		Apple Scab
•	•		Black Rot
•	•		Downy Mildew
•	•		Early Blight
•	•		Fly Speck
•	•	•	Late Blight
•	•		Monilinia spp
•	•		Septoria Leaf Blotch/Spot
•	•		Sooty Blotch
		•	White Mould

For a complete listing of diseases controlled for each product please refer to the product label.

[1] Suppression only.

HERBICIDES

ARMORY® 240 9

ARROW ALL IN® 10

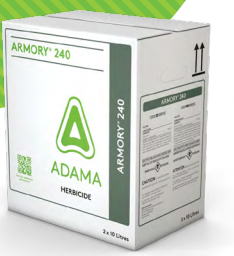
SQUADRON® 12

HERBICIDE
PRE-HARVEST · HARVEST AID

GROUP 22

ARMORY® 240

Provides fast drydown of crops, protecting yield and grade, and reducing disease transmission late in the season.



ACTIVE INGREDIENT

Diquat 240 g/L = EC

PACKAGING

Case: 2 x 10 L jugs
Bulk: 120 L drums
Tote: 450 L
Tote Max: 1000 L

APPLICATION RATES & ACRES TREATED

Ground: 510 – 1420 ml/ac
Aerial: 690 – 930 ml/ac
Acres Treated (Ground):
- 7-20 ac/jug
- 84–235 ac/drum
- 316–882 ac/tote
- 704–1960 ac/tote max

WATER VOLUME

Ground: 90 – 200 L/ac (24 – 53 US gal/ac)
Aerial: Minimum 18 L/ac (5 US gal/ac)

RAINFASTNESS

30 minutes

OTHER USES AND WEEDS CONTROLLED

- Potato vines
- Desiccation for beans, and legume forage seed crops
- Weeds in stale seedbeds (vegetables crops)
- Weeds in vegetables (inter-row directed)

HOW IT WORKS

ARMORY® 240 works on contact to disrupt plant cells and is rainfast in 30 minutes, leading to more rapid drydown of plants and weeds when compared to systemic herbicides. Harvesting can typically begin within 4 – 10 days, depending on crop and weather conditions.

REGISTERED AND SUPPORTED TANK MIXES

- Agral® 90, LI 700, Liberate® and other non-ionic surfactants
- Carfentrazone

MIXING INSTRUCTIONS

1. Fill the spray tank ¾ full with water.
2. Add the required amount of ARMORY® 240 into the sprayer.
3. Agitate until the herbicide is thoroughly mixed.
4. Continue agitation while adding the required amount of recommended registered surfactant at 0.10% v/v non-ionic surfactant (NIS) or 0.25% v/v Li700.
5. Complete filling the tank to the desired level with water.

ADJUVANT RATE

- LI 700® @ 0.25% v/v
- Non-ionic surfactant (NIS)@ 0.10% v/v

GRAZING RESTRICTIONS

Crop waste remaining after harvest (e.g. pea vines, alfalfa stems) may be used as a feed supplement for livestock.

STORAGE

Do not freeze.

QUICK TIPS:

Best results under cloudy conditions or in the evening. Suggested conditions for aerial applications are a temperature below 25°C, humidity above 50% and wind speed below 9 km/hr at flying height.

HERBICIDE
IN-CROP · BROADLEAF

GROUP 1

ARROW ALL IN®

Grassy weed control with the convenience of a built-in surfactant

ACTIVE INGREDIENT

Clethodim 120 g/L = EC

PACKAGING

Case: 2 x 6 L jugs

APPLICATION RATES & ACRES TREATED

Rate: 100 – 300 ml/ac
Acres Treated: 20 – 60 ac/jug

WATER VOLUME

Ground: 40 L/ac (10 US gal/ac)
Aerial: Do not apply by air.

RAINFASTNESS

1 hour

WEEDS CONTROLLED

Grassy Weeds	Leaf Stage	Application Rate
Foxtail (green, yellow), wild oats, volunteer cereals (wheat, barley, oats)	2 – 4	100 ml/ac*
Barnyard grass, fall panicum, proso millet, volunteer corn, volunteer canarygrass, witchgrass	2 – 6	
Crabgrass (smooth, large), foxtail (green, yellow), persian darnel, quackgrass (suppression), volunteer cereals (wheat, barley, oats), wild oats		150 ml/ac
Quackgrass (control)		300 ml/ac

*ARROW ALL IN® applied at 100 ml/ac for the control of weeds listed in this section of the table should only be applied under the following conditions: good crop stand, early application (prior to tillering), light to moderate weed infestation, adequate moisture and fertility, absence of stress, good growing conditions. Do not apply to volunteer winter cereals. If any one of the above is not present at the time of application, apply the 150 ml/ac rate of ARROW ALL IN®.

HOW IT WORKS

The active ingredient is translocated from the treated foliage to the growing points of the leaves, shoots and roots. Leaf foliage will first change from green to yellowish, then purplish and finally brown. Newest leaf of affected plant pulls out easily in 3 – 5 days. Time required for complete control is normally 7 – 21 days following treatment, depending on growing conditions and crop competition.

CROP STAGING

- Most crops are tolerant at all stages, so target applications at the optimal weed stage.

HERBICIDE

ARROW ALL IN®

REGISTERED AND SUPPORTED TANK MIXES

None registered for potatoes

MIXING INSTRUCTIONS

1. Fill clean tank ½ full with water and agitation on.
2. Add the required amount of tank-mix partner.
3. Add ARROW ALL IN® and agitate[1].
4. OPTIONAL: For use of ARROW ALL IN® alone (not in a tank mixture), add the correct amount of adjuvant.
5. Fill the remainder of tank with water and continue agitating.
6. Agitate thoroughly after prolonged pauses.

[1]When mixing with glufosinate, first add ARROW ALL IN®, followed by glufosinate.

PRE-HARVEST INTERVAL

60 days

ADJUVANT RATE

An optional additional adjuvant may be used under circumstances of heavy weed pressure or when environmental conditions (e.g., drought) are not ideal for weed control.

- 30% phosphate ester surfactant @ 0.5% v/v
- Methylated Seed Oil (MSO) @ 0.5% v/v
- Non-ionic surfactant (NIS) @ 0.25% v/v

CROP ROTATIONS

No restrictions

GRAZING RESTRICTIONS

Do not cut treated crops for feed or graze until 60 days after application.

STORAGE

Do not freeze.

QUICK TIPS:

Most effective control is achieved when application is made prior to tillering when annual grasses are small and actively growing.

HERBICIDE
IN-CROP · BROADLEAF

GROUP 5

SQUADRON®

This broad-spectrum herbicide is registered for grassy and broadleaf weed control in potatoes. It can work alone or in combination with recommended tank mixes.

ACTIVE INGREDIENT

Metribuzin

PACKAGING

Case: 4 x 5 kg jugs

APPLICATION RATES & ACRES TREATED

Rate: 550–1500 g/ha

Please refer to the label for application rates as these vary based on crop,soil type and application methods.

Acres Treated: 15 – 60 acres/jug

WATER VOLUME

100–300 L of water per hectare

RAINFASTNESS

6 hours after foliar application

WEEDS CONTROLLED

Broadleaf weeds:

- Carpetweed[1]
- Cocklebur
- Common chickweed
- Common ragweed
- Corn spurry[2]
- Dandelion (seedling)
- Green smartweed
- Hemp-nettle[2]
- Jimsonweed[1]
- Lady's thumb
- Lamb's quarters
- Prickly mallow
- Prostrate pigweed
- Redroot pigweed
- Russian thistle
- Shepherd's purse
- Stinkweed[3]
- Velvetleaf
- Wild buckwheat[3]
- Wild mustard
- Wild potato vine
- Yellow woodsorrel[1]

Grassy weeds:

- Barnyard grass
- Cheat grass
- Crabgrass
- Fall panicum
- Giant foxtail
- Green foxtail
- Johnson grass (seedling)
- Witch grass
- Yellow foxtail

[1] Pre-emergence only
[2] Suppression with multiple post-emergent applications of 200 g/ha
[3] Post-emergent applications only

HOW IT WORKS

Metribuzin inhibits the photosynthesis of grassy and broadleaf weeds. Used pre-emergent, susceptible weeds and crop seedlings emerge through treated soil, but 2 – 5 days later the weeds show chlorosis and necrosis. Plants treated post-emergent show chlorosis and necrosis between leaf veins, followed by wilting and death.

SQUADRON®

SOIL TYPES AND RESTRICTIONS

The recommended use rates of SQUADRON® are dependent upon soil texture and the organic matter content of the soil being treated: coarse, medium and fine.

The following chart outlines the soil textures included in each of the soil texture groupings:

Coarse	Medium	Fine
Loamy sand, Sandy loam	Loam, Silt loam, Silt, Sandy clay loam, Sandy clay	Silty clay loam, Silty clay, Clay loam, Clay

- On variable soils with coarse sandy areas, some crop injury may occur on the sandy areas if the rate used is for the finer soil type.
- Sandy loam and silty clay loam soils are transitional soils and may be classified as medium-textured soils in some regions.
- Do not use this product on muck soils. If SQUADRON® is applied to muck soils, subsequent crops may be injured.
- Do not use on coarse soils with less than 2% organic matter.

REGISTERED AND SUPPORTED TANK MIXES AND APPLICATION TIMING

Crop	Application Method	Products
Potatoes	Pre-emergence	SQUADRON® alone or with Dual II Magnum®, Linuron 50%, Linuron 480 g/L
	Early post-emergence	SQUADRON® alone or with Venture® L
	Pre-emergence or early post-emergence or pre-plant incorporated	SQUADRON® plus Dual II Magnum® or Eptam® 8-E
	Split application (pre- and post-emergence)	SQUADRON® alone

PRE-HARVEST INTERVAL

60 days

GRAZING RESTRICTIONS

No restrictions

CROP ROTATIONS

Rotational crops such as onions, celery, peppers, cole crops, lettuce, spinach, sugarbeets, table beets, turnips, pumpkins, squash, cucumbers, melons, and tobacco are sensitive to SQUADRON® and may be injured if planted in soil treated during the year of application or the following crop year.

Fall planted or cover crops such as wheat, oats and rye may be injured when planted within the same season.

QUICK TIPS:

Spray equipment must be thoroughly cleaned to remove remaining traces of Squadron herbicide that might injure other crops. A heavy-duty detergent at the rate of 250 ml/100 L of water is recommended to aid in the cleanout.

INSECTICIDES

CORMORAN® 15

SILENCER® 120 EC 17

ZIVATA™ 19

INSECTICIDE

GROUPS 4 & 15

CORMORAN®

Multiple modes of action for Colorado potato beetle control as well as a wide range of chewing and sucking pests.

ACTIVE INGREDIENT

Novaluron 100 g/L and Acetamiprid 80 g/L = EC

PACKAGING

Case: 2 x 10.08 L jugs

APPLICATION RATES & ACRES TREATED

Rate: 180 – 300 ml/ac
Acres Treated: 33 – 56 ac/jug

WATER VOLUME

Ground: min. 80 L/ac (20 – 105 US gal/ac)
Aerial: Do not apply by air.

RAINFASTNESS

Avoid application when heavy rain is forecast.

HOW IT WORKS:

CORMORAN® kills insect eggs by contact and larvae by ingestion. Containing two modes of action, CORMORAN® provides both rapid knockdown and residual control of insect pests.

PESTS CONTROLLED, CROP STAGING AND RATES

Insects Controlled	Rate (ml/ac)	Application Instructions
Colorado potato beetle	180 – 280	Do not apply more than once every 10 – 14 days. For Colorado potato beetle, do not apply more than twice to a single generation and do not apply to successive generations.
Armyworm, Cabbage looper	180 – 300	
Leafhopper	200 – 300	
Aphids, European corn borer	260 – 300	

REGISTERED AND SUPPORTED TANK MIXES

Polyram® DF WSP

MIXING INSTRUCTIONS

1. Fill clean tank ½ full with clean water. and start agitation.
2. Pour required amount of product directly from container into partially filled spray tank.
3. Continue filing tank. Increase agitation if necessary, to maintain surface action.
4. Keep agitation during mixing and application to assure uniform suspension. If mixture sits without agitation for extended periods, agitate the mixture for at least 10 minutes before use.

CORMORAN®

CROP ROTATIONS

No restrictions

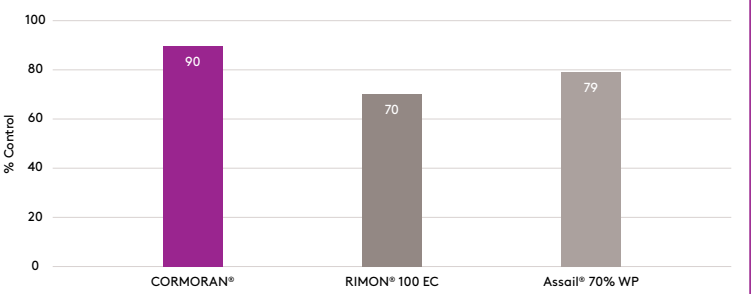
PRE-HARVEST INTERVALS

7 days

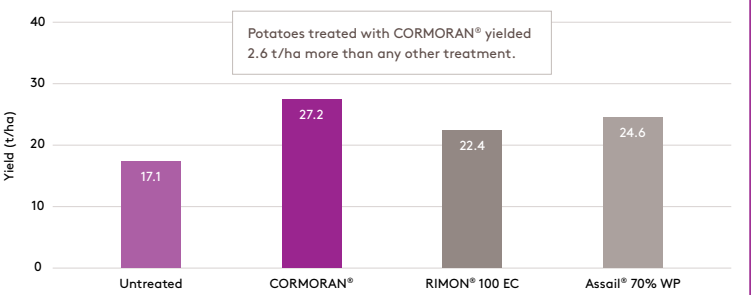
STORAGE

- Store in original, tightly closed container.
- Do not ship or store near food, feed, seed and fertilizers.
- Store in cool, dry, locked, well-ventilated area without floor drain.
- Keep away from fire or open flame, or other sources of heat.

CORMORAN FOR COLORADO POTATO BEETLE CONTROL IN POTATOES
(Sum of 7 Trials in 2016 – 2018)



CORMORAN® FOR INSECT CONTROL IN POTATOES
(Sum of 11 Trials in 2016 – 2018)



QUICK TIPS:

Consider early applications (before petal fall) of CORMORAN® to allow beneficial insects to build up later in the season. To minimize the possibility of transient effects on honeybee brood development, do not use CORMORAN® on blooming crops when bees are actively foraging.

INSECTICIDE

GROUP 3

SILENCER®

Control of a wide range of insects including Colorado Potato Beetle and European Corn Borer, as well as other key potato pests.

ACTIVE INGREDIENT

Lambda-cyhalothrin 120 g/L = EC

PACKAGING

Case: 4 x 3.785 L jugs

APPLICATION RATES & ACRES TREATED:

Rate: 34 – 40 ml/ac
(standard rate for most pests: 34 ml/ac)

Acres Treated: 95 – 111 ac/jug
(110 ac/jug at standard rate)

WATER VOLUME

Ground: 40 L/ac (10 US gal/ac)
Aerial: 33 L/ac (8 US gal/ac) (83 L/ha)

RAINFASTNESS

1 hour

KEY INSECTS CONTROLLED, CROP STAGING AND RATES

Insects Controlled	Rate (ml/ac)	Application Instructions
Potato Flea Beetle, Potato Leafhopper, Tarnished Plant Bug, Tuber Flea Beetle	34	When insects or damage appear. Timing of applications should be based on the presence of vulnerable pest developmental stages and significant populations as determined by local monitoring.
Colorado Potato Beetle*	34 – 40	Use 125 mL rate when Colorado Potato Beetle larvae are beyond the second instar stage of development or when populations are high.
European corn borer	34	Spray at egg hatch.

*Susceptibility to pyrethroid insecticides should be confirmed using an appropriate assay.

NOTES:
Do not use more than:
- Three (3) applications per year if using the 83 mL per hectare rate. (Ground)
- Two (2) applications per year if using the 125 mL per hectare rate. (Ground
- Two (2) applications of 83 mL/ha of the allowed seasonal total by air. (Aerial)

APPLICATION TIMING AND CROP STAGING

The need and timing of an application should be based on the presence of pests at vulnerable developmental stages and significant populations, as determined by local monitoring. Consult the label for specific crop and insect timing.

INSECTICIDE

SILENCER® 120 EC

HOW IT WORKS

Fast-acting stomach and contact insecticide

MIXING INSTRUCTIONS

Confirm compatibility in advance by premixing small proportional quantities of water with SILENCER® 120 EC and the tank-mix partner.

REGISTERED AND SUPPORTED TANK MIXES

NOTE: Tank mixes vary by crop. Please refer to the label for specific tank-mixes and rates.

CROP ROTATIONS

No restrictions the year following treatment

PRE-HARVEST INTERVALS

7 days

GRAZING RESTRICTIONS

N/A

STORAGE

Do not freeze.

QUICK TIPS:

Apply below temperatures of 25°C. Apply in the evening or early morning when temperatures are cool to get the best control. Wait 24 hours before re-entry.

INSECTICIDE

GROUP 3

ZIVATA™

New choice in insect control giving you the same trusted results in a more sustainable and advanced formulation.

Low VOC
FORMULATION TECHNOLOGY

ACTIVE INGREDIENT

Lambda-cyhalothrin 120 g/L = EC

PACKAGING

Case: 2 x 4.08 L jugs

APPLICATION RATES & ACRES TREATED

Rate: 34 – 40 ml/ac
(standard rate for most pests: 34 ml/ac)

Acres Treated: 95 – 111 ac/jug
(110 ac/jug at standard rate)

WATER VOLUME

Ground: 40 – 80 L/ac (10 – 20 US gal/ac)
Aerial: 4 – 16 L/ac (1 – 4 US gal/ac)

RAINFASTNESS

1 hour

KEY INSECTS CONTROLLED, CROP STAGING AND RATES

Insects Controlled	Rate (ml/ac)	Application Instructions
Potato Flea Beetle, Potato Leafhopper, Tarnished Plant Bug, Tuber Flea Beetle	34	When insects or damage appear. Timing of applications should be based on the presence of vulnerable pest developmental stages and significant populations as determined by local monitoring.
Colorado Potato Beetle*	34 – 40	Use 125 mL rate when Colorado Potato Beetle larvae are beyond the second instar stage of development or when populations are high.
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- Two (2) applications of 83 mL/ha of the allowed seasonal total by air. (Aerial)

APPLICATION TIMING AND CROP STAGING

The need and timing of an application should be based on the presence of pests at vulnerable developmental stages and significant populations, as determined by local monitoring. Consult the label for specific crop and insect timing.

INSECTICIDE

ZIVATA™

HOW IT WORKS

ZIVATA™ is a synthetic pyrethroid insecticide formulated with an improved, plant-based solvent that offers fast-acting stomach and contact effects against a broad spectrum of insect pests. This renewably sourced formulation has low volatile organic properties and improves the user experience with a reduced drift potential and product volatility

MIXING INSTRUCTIONS

Compatibility should always be confirmed by premixing small proportional quantities of water, ZIVATA™, and the tank-mix partner in advance.

REGISTERED AND SUPPORTED TANK MIXES

None registered

PRE-HARVEST INTERVALS

7 days

GRAZING RESTRICTIONS

N/A

CROP ROTATIONS

No restrictions the year following the treatment

STORAGE

Do not freeze.

KEY BENEFITS

- Advanced formulation using sustainable, plant-based materials
- Low Volatile Organic Compound (VOC) with low odour formulation
- Improved user experience and flexibility of use around odour-sensitive areas
- Trusted and proven active ingredient
- Broad range of crops, pests and use patterns

QUICK TIPS:

Control of some insect species with pyrethroid insecticides decreases as temperature rises (above 25° C). For best results, apply ZIVATA™ during the early morning before temperatures rise, and during the evening, past the heat of the day. Use sufficient water for thorough coverage.

NOTES

FUNGICIDES

CAPTAN 80 WSP 23

NEW CAPTAN 480 SC 24

NEW VANTANA™ 25

FUNGICIDE

GROUP M4

CAPTAN 80 WSP

CAPTAN 80 WSP can be used as a spray for the control of early and late blight in potatoes. CAPTAN 80 WSP is also useful as a soil treatment for the control of certain seed-rots and damping-off diseases.

ACTIVE INGREDIENT

80% CAPTAN = WSP (water-soluble pouch)

PACKAGING

Case: 4 foil bags x 5 pouches of 0.5 kg

APPLICATION RATES & ACRES TREATED

Rate: 1.0–1.5 kg/ac
Acres Treated: 6–10 ac/case

WATER VOLUME

Ground: 400 L/ac (105 US gal/ac)
Aerial: 20 L/ac (5 US gal/ac)

RAINFASTNESS

N/A

KEY DISEASES CONTROLLED

Early blight, Late blight

REGISTERED AND SUPPORTED TANK MIX

None registered on potatoes

MIXING INSTRUCTIONS

1. Fill the spray tank ⅓ to ½ full with clean water and begin agitation or bypass.
2. Add the required number of unopened pouches of CAPTAN 80 WSP fungicide directly to the spray tank.
3. Vigorous agitation is required for CAPTAN 80 WSP fungicide to become fully suspended. The water temperature and the degree of agitation will determine the amount of time for the pouches to dissolve. The pouches should be completely dissolved before application or adding tank-mix partners. Maintain sufficient agitation during both mixing and application.
4. If required, add the tank-mix partner.

CROP ROTATIONS

No restrictions

PRE-HARVEST INTERVALS

7 days

GRAZING RESTRICTIONS

N/A

STORAGE

May be stored at any temperature.

QUICK TIP:

The pouches containing CAPTAN 80 WSP fungicide are water-soluble and will dissolve completely in water. After opening the outer bag, drop the required number of unopened inner pouches into the spray tank as directed. Reseal outer bag to protect remaining pouches. Do not excessively handle water-soluble pouches or expose to moisture since this may cause breakage. Do not allow pouches to become wet prior to mixing spray solution.

NEW

FUNGICIDE

GROUP M4

CAPTAN 480 WSP

CAPTAN 480 SC is an aqueous suspension suitable for dilution in water as a spray for the control of certain fungal diseases of fruit, vegetables and ornamental crops. CAPTAN 480 SC is also useful as a soil treatment for the control of certain seed-rots and damping-off diseases.

ACTIVE INGREDIENT

Captan 482 g/L

PACKAGING

Case: 2 x 10 L jugs

APPLICATION RATES & ACRES TREATED

Rate: 1.68 – 2.52 L/ac (0.81–1.21 kg a.i./ha)
Acres Treated: 4–6 acres/jug

WATER VOLUME

Ground: 400 L/ac (105 US gal/ac)
Aerial: 20 L/ac (5 US gal/ac)

RAINFASTNESS

Avoid application when heavy rain is forecast.

KEY DISEASES CONTROLLED

Early blight, Late blight

REGISTERED AND SUPPORTED TANK MIX

None registered on potatoes

MIXING INSTRUCTIONS

1. Before using, mix contents of the container thoroughly to ensure the product is suspended.
2. Fill the spray tank to at least ½ capacity with clean water and begin agitation.
3. Pour recommended amount of CAPTAN 480 SC into the spray tank.
4. Before adding any optional tank-mix partners, add more water and add the partner according to product labels.
5. Add balance of water.
6. Maintain agitation during filling and spraying operations. Do not allow mixture to stand.
7. Use a screen not finer than 50 mesh in entire system.

PRE-HARVEST INTERVALS

2 days

CROP ROTATIONS

No restrictions

GRAZING RESTRICTIONS

N/A

STORAGE

Store this product away from food or feed.

QUICK TIP:

Alkaline materials such as spray lime, lime-sulfur and Bordeaux mixture will reduce the fungicidal activity of CAPTAN 480 SC. Do not apply CAPTAN 480 SC in combination with or immediately before or closely following oil sprays. Combinations with solvent formulation of organic phosphates should not be used.

NEW

FUNGICIDE

GROUP 29

VANTANA™

This NEW Group 29 fungicide is a protective, broad-spectrum fungicide which is a very important resistance management tool for control of late blight and white mould.

IMPORTANT NOTE: Limited volumes for 2024

ACTIVE INGREDIENT

Fluazinam 500 g/L = SC

PACKAGING

Case: 2 x 10 L jugs

APPLICATION RATES & ACRES TREATED

Rate: 162 – 242 ml/ac (43–64 US gal/ac)
Acres Treated: 41–62 ac/jug

WATER VOLUME

Ground: 81 – 243 L/ac (21–64 US gal/ac)
Aerial: Minimum of 18.2 L/ac (4.8 US gal/ac)

RAINFASTNESS

Avoid application when heavy rain is forecast.

KEY DISEASES CONTROLLED

Late blight, White mould

TANK MIXES

None registered for potatoes

HOW IT WORKS

VANTANA™ works by inhibiting fungal adenosine triphosphate (ATP) production in the mitochondria (impairing energy production).

Active on a wide range of diseases, VANTANA™ is a protective fungicide that inhibits the germination of fungal spores.

Diseases Controlled	Rate	Application InstructionsLate
Late blight	162 ml/ac (400 ml/ha)	When plants are 15–20 cm tall or when conditions are favourable
White mould	162 – 242 ml/ac (400 – 600 ml/ha)	At full bloom

FUNGICIDE

VANTANA™

MIXING INSTRUCTIONS

1. Add ½ of the required amount of water to the spray or mixing tank and start agitation.
2. Add the required quantity of VANTANA™ to the water and complete filling with water to the required total volume.
3. Maintain agitation throughout mixing and spraying.
   NOTE: If tank-mixing with an insecticide, please reference the label of the partner for specific mixing order or follow W.A.M.L.E.G.S or W.A.L.E.S. for proper mixing protocol.

CROP ROTATIONS

Areas treated with VANTANA™ may be replanted with potatoes and dry shelled beans as soon as practical after the last application. Other root crops and leafy vegetables can be planted 30 days after the last application. All other crops can be planted 70 days after the last application.

GRAZING RESTRICTIONS

Do not feed treated foliage to livestock.

STORAGE

Do not freeze .

PRE-HARVEST INTERVALS

14 days

KEY BENEFITS

- Resistance management tool
- Broad-spectrum disease control
- Multiple rates for precise control

GOVERNMENT & ASSOCIATION CONTACT INFO

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For emergency medical help or health/safety concerns, call ProPharma immediately at 1.877.250.9291 (24 hours a day).

In the event of a spill, leak or fire, call INFOTRAC immediately at 1.800.535.5053 (24 hours a day).

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