

2013-3363
2014-11-12



GROUP	4	FUNGICIDE
-------	---	-----------

ALLEGIANCE for Vegetables

Seed Treatment Fungicide

A seed treatment for control of seed rots caused by *Pythium* spp. on certain vegetable crops. For importation of treated seed only.

SUSPENSION

COMMERCIAL

All seed treated with this product must be conspicuously coloured at the time of treatment. DO NOT TREAT SEEDS IN CANADA.

GUARANTEE:

Metalaxyl.....310 g/L

Contains 1,2 benzisothiazolin-3-one at 0.029% and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0009% and 2-methyl-4-isothiazolin-3-one at 0.0003% as preservatives.

REGISTRATION No. 31571 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND BOOKLET BEFORE USING

WARNING – SKIN AND EYE IRRITANT

NET CONTENTS: 1L - 1000 L

Bayer CropScience Inc.
Suite 200, 160 Quarry Park Blvd. S.E.
Calgary, Alberta T2C 3G3

For product information, call: 1-888-283-6847

In case of spills, poisoning, fire or other emergencies,
call: 1-800-334-7577 (24 hours a day)

PROTECT FROM FREEZING

ALLEGIANCE for Vegetables is a systemic fungicide seed treatment for control of seed rots caused by *Pythium* spp. on certain vegetables.

PRECAUTIONS:

1. KEEP OUT OF REACH OF CHILDREN.
2. Wear a long-sleeved shirt, long pants, and chemical resistant gloves when handling ALLEGIANCE for Vegetables-treated seed. Do not use leather or cloth gloves.
3. ALLEGIANCE for Vegetables is an eye irritant.
4. Use good personal hygiene, washing hands and exposed skin before eating, drinking or smoking. No food, drink or tobacco should be allowed in areas of chemical storage or use.
5. May be harmful if swallowed or absorbed through skin. Wash exposed skin after use.
6. If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's Web site at www.croplife.ca.

ENVIRONMENTAL PRECAUTIONS:

1. Do not apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats.
2. Do not contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

FIRST AID:

IF SWALLOWED: Call a poison control centre or doctor IMMEDIATELY for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Call a poison control centre or doctor IMMEDIATELY for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin IMMEDIATELY with plenty of water for 15-20 minutes. Call a poison control centre or doctor IMMEDIATELY for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control centre or doctor for treatment advice.

Take container, label, or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION:

This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. Treat symptomatically

STORAGE:

Store product in original container only, away from other pesticides, fertilizer, food or feed. Keep container closed. Do not store ALLEGIANCE for Vegetables in direct sunlight. Do not store ALLEGIANCE for Vegetables above 35°C or below 0°C.

DISPOSAL:

FOR NON-RETURNABLE CONTAINERS:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.

FOR RECYCLABLE CONTAINERS:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

- 1) Triple- or pressure-rinse the empty container. Add the rinsings to the mixture in the tank.
- 2) Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

FOR RETURNABLE CONTAINERS:

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

FOR REFILLABLE CONTAINERS:

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not use this container for any other purpose.

TRIPLE RINSE INSTRUCTIONS (FOR RECYCLABLE AND DISPOSABLE CONTAINERS ONLY): This container should be triple-rinsed prior to its disposal. The rinsings can be added to the seed treatment provided the volume of water does not exceed the quantity indicated in the Application Rate table under the Directions For Use. Follow these steps for rinsing of containers.

1. Transfer ALLEGIANCE for Vegetables from the container to the seed treating equipment applicator tank.
2. Add 1/3 of the rinse water to the container and agitate the contents.

3. Transfer the rinsings to the applicator tank.
4. Rinse as above 2 more times. Add additional water as required to obtain desired Total Volume.
5. Thoroughly mix the ALLEGIANCE for Vegetables and rinse water in the applicator tank prior to use.

DISPOSAL OF UNUSED, UNWANTED PRODUCT:

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on this label. It is an offence under the *Pest Control Products Act* to use a control product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.



GROUP	4	FUNGICIDE
-------	---	-----------

ALLEGIANCE for Vegetables
Seed Treatment Fungicide

A seed treatment for control of seed rots caused by *Pythium* spp. on certain vegetable crops. For importation of treated seed only.

SUSPENSION

COMMERCIAL

All seed treated with this product must be conspicuously coloured at the time of treatment. **DO NOT TREAT SEEDS IN CANADA.**

GUARANTEE:

Metalaxyl.....310 g/L

Contains 1,2 benzisothiazolin-3-one at 0.029% and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0009% and 2-methyl-4-isothiazolin-3-one at 0.0003% as preservatives.

REGISTRATION No. 31571 PEST CONTROL PRODUCTS ACT

READ THE LABEL AND BOOKLET BEFORE USING

WARNING – SKIN AND EYE IRRITANT

NET CONTENTS: 1L - 1000 L

Bayer CropScience Inc.
Suite 200, 160 Quarry Park Blvd. S.E.
Calgary, Alberta T2C 3G3

For product information, call: 1-888-283-6847

In case of spills, poisoning, fire or other emergencies,
call: 1-800-334-7577 (24 hours a day)

PROTECT FROM FREEZING

Table of Contents:	Section Number
GENERAL INFORMATION	The Product 1
SAFETY AND HANDLING	Precautions, Protective Clothing and Equipment 2
	First Aid and Toxicological Information 3
	Storage 4
	Disposal..... 5
	Notices 6
DIRECTIONS FOR USE	Recommended Uses 7
	Application Cautions..... 8
	Use Limitations 9
	Resistance Management Recommendations 10

GENERAL INFORMATION

Section 1: The Product

ALLEGIANCE for Vegetables is a systemic fungicide seed treatment for control of seed rots caused by *Pythium* spp. on certain vegetables.

SAFETY AND HANDLING

Section 2: Precautions, Protective Clothing and Equipment

PRECAUTIONS:

1. KEEP OUT OF REACH OF CHILDREN.
2. Wear a long-sleeved shirt, long pants, and chemical resistant gloves when handling ALLEGIANCE for Vegetables-treated seed. Do not use leather or cloth gloves.
3. ALLEGIANCE for Vegetables is an eye irritant.
4. Use good personal hygiene, washing hands and exposed skin before eating, drinking or smoking. No food, drink or tobacco should be allowed in areas of chemical storage or use.
5. May be harmful if swallowed or absorbed through skin. Wash exposed skin after use.
6. If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's Web site at www.croplife.ca.

Section 3: First Aid and Toxicological Information

FIRST AID:

IF SWALLOWED: Call a poison control centre or doctor IMMEDIATELY for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Call a poison control centre or doctor IMMEDIATELY for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin IMMEDIATELY with plenty of water for 15-20 minutes. Call a poison control centre or doctor IMMEDIATELY for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control centre or doctor for treatment advice.

Take container, label, or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION:

This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. Treat symptomatically

Section 4: Storage

Store product in original container only, away from other pesticides, fertilizer, food or feed. Keep container closed. Do not store ALLEGIANCE for Vegetables in direct sunlight. Do not store ALLEGIANCE for Vegetables above 35°C or below 0°C.

Section 5: Disposal

FOR NON-RETURNABLE CONTAINERS:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.

FOR RECYCLABLE CONTAINERS:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

- 1) Triple- or pressure-rinse the empty container. Add the rinsings to the mixture in the tank.
- 2) Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

FOR RETURNABLE CONTAINERS:

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

FOR REFILLABLE CONTAINERS:

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not use this container for any other purpose.

TRIPLE RINSE INSTRUCTIONS (FOR RECYCLABLE AND DISPOSABLE CONTAINERS ONLY): This container should be triple-rinsed prior to its disposal. The rinsings can be added to the seed treatment provided the volume of water does not exceed the quantity indicated in the Application Rate table under the Directions For Use. Follow these steps for rinsing of containers.

1. Transfer ALLEGIANCE for Vegetables from the container to the seed treating equipment applicator tank.
2. Add 1/3 of the rinse water to the container and agitate the contents.
3. Transfer the rinsings to the applicator tank.
4. Rinse as above 2 more times. Add additional water as required to obtain desired Total Volume.
5. Thoroughly mix the ALLEGIANCE for Vegetables and rinse water in the applicator tank prior to use.

DISPOSAL OF UNUSED, UNWANTED PRODUCT:

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

Section 6: Notices

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on this label. It is an offence under the *Pest Control Products Act* to use a control product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

DIRECTIONS FOR USE

Section 7: Recommended Uses

ALLEGIANCE for Vegetables is a systemic fungicide seed treatment for control of seed rot/ pre-emergence and post-emergence damping-off caused by *Pythium* spp. ALLEGIANCE for Vegetables may only be used for treatment of seed for importation into Canada. Not for commercial or on-farm seed treatment in Canada.

CROP	DISEASE	APPLICATION RATE PER 100 KG SEED
Onion (dry and bunching)	<i>Pythium</i> damping off	46 mL
Root Vegetables: beet (garden), burdock (edible), carrot, celeriac, chervil (turnip-rooted), chicory, ginseng, horseradish, parsley (turniprooted), parsnip, radish (including oriental), rutabaga, salsify (oyster plant, black and spanish), skirret, turnip	<i>Pythium</i> damping-off	46 mL
Cucurbit vegetables: chayote, chinese waxgourd, citron melon, cucumber, gherkin, gourd edible (includes hyotan, cucuzza, hechima, chinese okra), momordica, all muskmelon, pumpkin, all squash, and watermelon	<i>Pythium</i> damping-off	46 mL
Leafy Vegetables: amaranth, arugula, corn salad, dandelion leaves, dock, edible leaved chrysanthemum, endives, fresh chervil leaves, garden cress, garden purslane, garland chrysanthemum, head lettuce, leaf lettuce, New Zealand spinach, orach leaves, parsley leaves, radicchio, spinach, upland cress, vine spinach, winter purslane	<i>Pythium</i> damping-off	46 mL
Brassica Vegetables: broccoli, chinese broccoli, brussels sprouts, cabbage, chinese napa cabbage, Chinese mustard cabbage, cauliflower, cavalo broccoli, kohlrabi	<i>Pythium</i> damping-off	46 mL

CROP	DISEASE	APPLICATION RATE PER 100 KG SEED
Fruiting Vegetables: eggplant, groundcherry, pepino, bell pepper, chili pepper, cooking pepper, pimento, sweet pepper, tomatillo, tomato	<i>Pythium</i> damping-off	46 mL

ALLEGIANCE for Vegetables treated seed may reduce seed flow in the seed drill. Recalibration of the seed drill may be required to obtain correct seeding rate before planting.

Section 8: Application Cautions

Seed Quality: Treatment of highly mechanically damaged seed, or seed of known low vigour and poor quality may result in reduced germination and/or reduction of seed and seedling vigour. If seed lot quality is unknown, conduct a germination test on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Bayer CropScience, no claims are made to guarantee germination of carry-over seed.

Section 9: Use Limitations

USE RESTRICTIONS:

1. Do not plant treated seeds by hand. Commercial retail only.
2. Treated seed must not be used for food, feed or oil processing.
3. Do not graze or feed livestock on treated areas for four weeks after planting.
4. Treated seed may be toxic to birds and other wildlife. Clean up any spilled seed. Ensure that treated seed is properly incorporated at planting.
5. All bags containing treated seed for sale or use in Canada must be labelled as follows: 'This seed has been treated with ALLEGIANCE for Vegetables seed protectant fungicide containing metalaxyl, a Group 4 Fungicide. Wear a long-sleeved shirt, long pants and chemical resistant gloves when handling treated seed. Do not plant treated seeds by hand. Commercial retail only. Do not use for feed, food or oil processing.'
6. Do not apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats.
7. Do not contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Section 10: Resistance Management Recommendations

For resistance management, note that ALLEGIANCE for Vegetables contains a Group 4 fungicide. Any fungal population may contain individuals naturally resistant to ALLEGIANCE for Vegetables and other Group 4 fungicides. A gradual or total loss of efficacy may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance:

- Where possible, rotate the use of ALLEGIANCE for Vegetables or other Group 4 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group when such use is permitted.
- Fungicide use should be based on an IPM program that includes scouting, historical information related to pesticide use and crop rotation and considers cultural, biological and other chemical control practices.
- Monitor treated fungal populations for resistance development.
- If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information and to report suspected resistance, contact Bayer CropScience representatives at 1-888-283-6847 or at www.bayercropscience.ca.