

Metalaxyl-M 3ST

SEED TREATMENT FUNGICIDE

SUSPENSION

COMMERCIAL (AGRICULTURAL)

A seed treatment fungicide for control of early season *Phytophthora* root rot, systemic downy mildew, and *Pythium* causing damping-off, seed rot diseases of certain crops.

ACTIVE INGREDIENT:

Metalaxyl-M and S-isomer33.3 %



POISON
EYE IRRITANT

READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF THE REACH OF CHILDREN

For commercial seed treatment (facilities and mobile treaters) with open or closed transfer equipment is permitted. All seed treated with this product must be conspicuously coloured at the time of treatment.

REGISTRATION NO. 35883 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1 L to 55 L

ALBAUGH, LLC
1525 NE 36th Street
Ankeny, IA 50021
1-800-247-8013

For medical or treatment information from exposure to this product, call 1-888-347-6732 (7 days/week, 24-hr).

For 24-hour chemical spill, leak, fire, exposure, or accident response information, call CHEMTREC toll free at 1-800-424-9300.

1.0 NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

2.0 FIRST AID

IN CASE OF POISONING, contact a physician or a poison control centre **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed, call a poison control centre or doctor **IMMEDIATELY** for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

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 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 by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

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 eye. Call a poison control centre or doctor for treatment advice.

3.0 TOXICOLOGICAL INFORMATION

Treat symptomatically. Contact with eyes may require specialized ophthalmologic examination.

4.0 PRECAUTIONS

Safety Precautions:

- KEEP OUT OF THE REACH OF CHILDREN.
- Harmful if swallowed. Causes eye irritation. DO NOT get in eyes. Avoid prolonged contact with skin. Avoid inhalation of vapours, spray mist or treated seed dust.
- DO NOT eat, drink or smoke/vape while using this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum/tobacco, smoking/vaping, or using the toilet.
- Vehicle cabs must be decontaminated regularly.
- Avoid contamination of feed and foodstuffs. Apply only in a way that this product will not contact workers or other persons, either directly or through drift. Only workers wearing personal protective equipment may be in the area where treating, bagging, sewing and/or stacking is occurring. Treat seed in a well-ventilated area.

If this pest control product is to be used on a commodity that may be exported to other countries in the world and you require information on acceptable residue levels in these countries, please contact Albaugh LLC. at 1-800-247-8013.

5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

During mixing, loading, treating, calibrating, cleaning and repairing, wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and protective eyewear (goggles or face shield). When bagging, sewing, stacking and any other activities involving handling treated seeds as well as during planting, wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested. Gloves and a respirator are not required within a closed cab.

If the product comes in contact with clothing/PPE, remove all contaminated clothing/PPE, wash with soap and water and dress in clean clothing. Wash the outside of gloves with soap and water before removing. Launder contaminated clothing/PPE regularly and separately from other laundry.

6.0 ENVIRONMENTAL PRECAUTIONS

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned up from the soil surface.

7.0 USE RESTRICTIONS

1. Treated seed must not be used for food, feed or oil processing.
2. Do not use in hopper-box, planter-box, slurry-box or other non-commercial seed treatment applications at, or immediately before, planting.
3. All bags containing treated seed for sale or use in Canada must be labelled or tagged as follows: ***“KEEP TREATED SEED OUT OF REACH OF CHILDREN AND ANIMALS. This seed has been treated with Metalaxyl-M 3ST which contains metalaxyl-M and S-isomer. DO NOT use for food, feed or oil processing. Store away from food and feed. During handling and planting treated seed, wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested. Gloves and a respirator are not required within a closed cab. DO NOT plant treated seed by hand. DO NOT graze or feed livestock on seeded area for four weeks after planting. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned up from the soil surface. Dispose of all excess treated seed. Leftover treated seed may be double-sown around the headland or buried away from water sources in accordance with local requirements.”***
4. All bags containing treated seed for export must be labelled or tagged as follows: ***“FOR EXPORT ONLY - NOT FOR DOMESTIC SALE OR USE IN CANADA. KEEP OUT OF REACH OF CHILDREN AND ANIMALS. This seed has been treated with Metalaxyl-M 3ST which contains metalaxyl-M and S- isomer. DO NOT use for food, feed or oil processing. Store away from food and feed. During handling and planting treated seed, wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested. Gloves and a respirator are not required within a closed cab. DO NOT plant treated seed by hand. DO NOT graze or feed livestock on seeded area for four weeks after planting.”*** For treatment of seed for export, treater should verify actual registered rate in country of destination and/or use before exportation.

8.0 STORAGE

Keep in original container, tightly closed, during storage. Store in a cool, dry, well-ventilated area away from other pesticides, feed, food and out of the reach of children and animals.

9.0 DISPOSAL

For information on disposal of unused, unwanted product, contact the registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial regulatory agency in case of a spill, and for cleanup of spills.

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).

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 reuse this container for any other purpose.

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 spray 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 or territorial requirements.

Metalaxyl-M 3ST

SEED TREATMENT FUNGICIDE

COMMERCIAL (AGRICULTURAL)

SUSPENSION

A seed treatment fungicide for control of early season *Phytophthora* root rot, systemic downy mildew, and *Pythium* causing damping-off, seed rot diseases of certain crops.

ACTIVE INGREDIENT:

Metalaxyl-M and S-isomer33.3 %

WARNING



POISON

EYE IRRITANT

READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF THE REACH OF CHILDREN

For commercial seed treatment (facilities and mobile treaters) with open or closed transfer equipment is permitted. All seed treated with this product must be conspicuously coloured at the time of treatment.

REGISTRATION NO. 35883 PEST CONTROL PRODUCTS ACT

ALBAUGH, LLC
1525 NE 36th Street
Ankeny, IA 50021
1-800-247-8013

For medical or treatment information from exposure to this product, call 1-888-347-6732 (7 days/week, 24-hr).

For 24-hour chemical spill, leak, fire, exposure, or accident response information, call CHEMTREC toll free at 1-800-424-9300.

TABLE OF CONTENTS

	<u>Section Number</u>
NOTICE TO USER.....	1.0
FIRST AID	2.0
TOXICOLOGICAL INFORMATION	3.0
PRECAUTIONS	4.0
PERSONAL PROTECTIVE EQUIPMENT (PPE).....	5.0
ENVIRONMENTAL PRECAUTIONS.....	6.0
USE RESTRICTIONS	7.0
STORAGE.....	8.0
DISPOSAL	9.0
PRODUCT INFORMATION	10.0
General Information.....	10.1
Use Limitations.....	10.2
DIRECTIONS FOR USE	11.0
CROP USE DIRECTIONS	12.0
Cereal Grains (Including Forage and Silage).....	12.1
Oilseeds	12.2
Legume Vegetables (Succulent or Dry)	12.3
Grass Forage, Fodder and Hay	12.4
Non-Grass Animal Feeds (Forage, Fodder, Straw and Hay)	12.5
Root Vegetables.....	12.6
MINOR USES	13.0
Bulb Vegetables	13.1
Root Vegetables (Except Sugar Beet)	13.2
Cucurbit Vegetables	13.3
Leafy Vegetables.....	13.4
Brassica Vegetables.....	13.5
Fruiting Vegetables.....	13.6
TANK MIXES	14.0
RESISTANCE MANAGEMENT RECOMMENDATIONS	15.0

1.0 NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

2.0 FIRST AID

IN CASE OF POISONING, contact a physician or a poison control centre **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed, call a poison control centre or doctor **IMMEDIATELY** for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

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 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 by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

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 eye. Call a poison control centre or doctor for treatment advice.

3.0 TOXICOLOGICAL INFORMATION

Treat symptomatically. Contact with eyes may require specialized ophthalmologic examination.

4.0 PRECAUTIONS

Safety Precautions:

- KEEP OUT OF THE REACH OF CHILDREN.
- Harmful if swallowed. Causes eye irritation. DO NOT get in eyes. Avoid prolonged contact with skin. Avoid inhalation of vapours, spray mist or treated seed dust.
- **DO NOT** eat, drink or smoke/vape while using this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum/tobacco, smoking/vaping, or using the toilet. Vehicle cabs must be decontaminated regularly.
- Avoid contamination of feed and foodstuffs.
- Apply only in a way that this product will not contact workers or other persons, either directly or through drift. Only workers wearing personal protective equipment may be in the area where treating, bagging, sewing and/or stacking is occurring. Treat seed in a well-ventilated area.

If this pest control product is to be used on a commodity that may be exported to other countries in the world and you require information on acceptable residue levels in these countries, please contact Albaugh LLC. at 1-800-247-8013.

5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

During mixing, loading, treating, calibrating, cleaning and repairing, wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and protective eyewear (goggles or face shield). When bagging, sewing, stacking and any other activities involving handling treated seeds as well as during planting, wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested. Gloves and a respirator are not required within a closed cab.

If the product comes in contact with clothing/PPE, remove all contaminated clothing/PPE, wash with soap and water and dress in clean clothing. Wash the outside of gloves with soap and water before removing. Launder contaminated clothing/PPE regularly and separately from other laundry.

6.0 ENVIRONMENTAL PRECAUTIONS

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned up from the soil surface.

7.0 USE RESTRICTIONS

1. Treated seed must not be used for food, feed or oil processing.
2. Do not use in hopper-box, planter-box, slurry-box or other non-commercial seed treatment applications at, or immediately before, planting.
3. All bags containing treated seed for sale or use in Canada must be labelled or tagged as follows: ***“KEEP TREATED SEED OUT OF REACH OF CHILDREN AND ANIMALS. This seed has been treated with Metalaxyl-M 3ST which contains metalaxyl-M and S-isomer. DO NOT use for food, feed or oil processing. Store away from food and feed. During handling and planting treated seed, wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested. Gloves and a respirator are not required within a closed cab. DO NOT plant treated seed by hand. DO NOT graze or feed livestock on seeded area for four weeks after planting. Any spilled or exposed seeds must be incorporated into the soil or otherwise cleaned up from the soil surface. Dispose of all excess treated seed. Leftover treated seed may be double-sown around the headland or buried away from water sources in accordance with local requirements.”***
4. All bags containing treated seed for export must be labelled or tagged as follows: ***“FOR EXPORT ONLY - NOT FOR DOMESTIC SALE OR USE IN CANADA. KEEP OUT OF REACH OF CHILDREN AND ANIMALS. This seed has been treated with Metalaxyl-M 3ST which contains metalaxyl-M and S- isomer. DO NOT use for food, feed or oil processing. Store away from food and feed. During handling and planting treated seed, wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested. Gloves and a respirator are not required within a closed cab. DO NOT plant treated seed by hand. DO NOT graze or feed livestock on seeded area for four weeks after planting.”*** For treatment of seed for export, treater should verify actual registered rate in country of destination and/or use before exportation.

8.0 STORAGE

Keep in original container, tightly closed, during storage. Store in a cool, dry, well-ventilated area away from other pesticides, feed, food and out of the reach of children and animals.

9.0 DISPOSAL

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

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).

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 reuse this container for any other purpose.

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 spray 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 or territorial requirements.

10.0 PRODUCT INFORMATION

General Information

Metalaxyl-M 3ST is a systemic fungicide seed treatment product containing metalaxyl-M and S-isomer for the control of diseases caused by soil-borne *Pythium* and *Phytophthora* spp. and for systemic downy mildews. For control of other soil-borne diseases, such as *Rhizoctonia* spp., Metalaxyl-M 3ST should be applied in combination with other registered seed treatment fungicides.

Metalaxyl-M 3ST may be applied as a water-based slurry with other registered seed treatment insecticides and fungicides through standard slurry- or mist-type commercial seed treatment equipment.

Note: Treatment of highly mechanically scarred or damaged seed, or seed known to be of low vigour and poor quality, except for the purpose of curative control of existing disease pests, may result in reduced germination and/or reduction of seed and seedling vigour. Treat a small quantity of seed using equipment similar to that planned for treating the total seed lot. Conduct germination tests on a small portion of the seed before committing the total seed lot to a selected seed treatment. Due to seed quality and seed storage conditions beyond the control of Albaugh LLC, no claims are made to guarantee the germination of carry-over seed.

10.2 Use Limitations

Experience has shown that strains of fungus resistant to metalaxyl-M and S-isomer may develop. Failure to control the disease will result in crop damage and/or yield losses.

11.0 DIRECTIONS FOR USE

Apply Metalaxyl-M 3ST as a water-based slurry utilizing standard slurry seed treatment equipment which provides uniform seed coverage. Uneven or incomplete seed coverage may not give the desired level of disease control. Thoroughly mix the recommended amount of Metalaxyl-M 3ST into the required amount of water for the slurry treater and dilution rate to be used. Follow the manufacturer's application instructions for the seed treatment equipment being used. Maintain constant agitation of the slurry during the seed treatment process. Allow the seed to dry before bagging. Depending on planting equipment, seed treated with Metalaxyl-M 3ST or a combination of Metalaxyl-M 3ST and other seed treatment products may not flow through planting equipment at the same rate as untreated seed. Recalibrate this equipment before planting treated seed.

When a rate range is specified, use the higher rate of Metalaxyl-M 3ST when planting into fields with a history of *Pythium* damping-off disease (*Pythium* spp.) and/or under high disease pressure.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

This product contains no colourant. Users are responsible for ensuring that the treated seed, when dried and ready for bagging, has an unnatural colour. An appropriate colourant must be added when this product is applied to seed. Regulations pertaining to the "Seeds Act" must be strictly adhered to when using this product.

12.0 CROP USE DIRECTIONS

12.1 Cereal Grains (Including Forage and Silage)

CROPS	Corn (Field Corn, Sweet Corn and Popcorn), Wheat, Barley (export use only), Oats (export use only), Rye (export use only)
DISEASES CONTROLLED	<i>Pythium</i> damping-off (<i>Pythium</i> spp.)
RATE	20 – 40 mL/100 kg seed
RESTRICTIONS	Barley, oats, and rye for export use only. This product contains no colourant. An appropriate colourant must be added when this product is applied to the seed.
CROPS	Sorghum (export use only)
DISEASES CONTROLLED	<i>Pythium</i> damping-off (<i>Pythium</i> spp.) on all sorghum cultivars
RATE	20 – 40 mL/100 kg seed
DISEASES CONTROLLED	Systemic downy mildew (<i>Peronosclerospora sorghi</i>)
RATE	40 – 80 mL/100 kg seed
NOTES	Use low rate for seed on cultivars which possess sorghum downy mildew resistance. For those cultivars which do not possess resistance to a particular race of sorghum downy mildew grown in areas with recent history of severe disease, use high rate. Seed treated with the high rate should be planted and not carried over to the following year. Only high quality sorghum seed (90% germ and above) should be treated with Metalaxyl-M 3ST.

RESTRICTIONS	For export use only. Seed treated with the high rate should be planted and not carried over to the following year. Only high quality sorghum seed (90% germ and above) should be treated with Metalaxyl-M 3ST. This product contains no colourant. An appropriate colourant must be added when this product is applied to the seed.
---------------------	---

12.2 Oilseeds

CROPS	Canola
DISEASES CONTROLLED	<i>Pythium</i> damping-off (<i>Pythium</i> spp.)
RATE	20 mL/100 kg seed
APPLICATION METHOD	Seed Treatment
RESTRICTIONS	This product contains no colourant. An appropriate colourant must be added when this product is applied to the seed.
CROPS	Sunflower
DISEASES CONTROLLED	<i>Pythium</i> damping-off (<i>Pythium</i> spp.)
RATE	40 mL/100 kg seed
DISEASES CONTROLLED	Systemic downy mildew (<i>Plasmopara halstedii</i>)
RATE	80 mL/100 kg seed
APPLICATION METHOD	Seed Treatment
RESTRICTIONS	This product contains no colourant. An appropriate colourant must be added when this product is applied to the seed.

12.3 Legume Vegetables (Succulent or Dry)

CROPS	Soybean (includes immature seed), Bean (<i>Lupinus</i> spp. - includes Grain Lupin, Sweet Lupin, White Lupin, White Sweet Lupin), Bean (<i>Phaseolus</i> spp. - includes Field Bean, Kidney Bean, Lima Bean, Navy Bean, Pinto Bean, Runner Bean, Snap Bean, Tepary Bean, and Wax Bean), Bean (<i>Vigna</i> spp. - includes Adzuki Bean, Asparagus Bean, Blackeyed Pea, Catjang, Chinese Longbean, Cowpea, Crowder Pea, Moth Bean, Mung Bean, Rice Bean, Southern Pea, Urd Bean and Yardlong Bean), Broad Bean, Chickpea, Guar, Jackbean, Lablab Bean, Pea (<i>Pisum</i> spp. – includes Dwarf Pea, Edible-Pod Pea, English Pea, Field Pea, Garden Pea, Green Pea, Snow Pea, Sugar Snap Pea), Pigeon Pea, Sword Bean
DISEASES CONTROLLED	<i>Pythium</i> damping-off (<i>Pythium</i> spp.)
RATE	20 – 40 mL/100 kg seed
DISEASES CONTROLLED	Early season <i>Phytophthora</i> root rot (<i>Phytophthora</i> spp.)
RATE	40 mL/100 kg seed
APPLICATION METHOD	Seed Treatment
NOTES	40 mL of the product delivers 15 g ai/100 kg seed. For soybean, 40 mL rate is equivalent to 0.061 µL/seed (0.023 mg ai/seed) based on a seed weight of 6600 seeds/kg.
RESTRICTIONS	This product contains no colourant. An appropriate colourant must be added when this product is applied to the seed.
CROPS	Lentils
DISEASES CONTROLLED	<i>Pythium</i> damping-off (<i>Pythium</i> spp.)
RATE	7 mL/100 kg seed
APPLICATION METHOD	Seed Treatment
RESTRICTIONS	Use for low tannin varieties which are for domestic seed production or sold for export only.

	This product contains no colourant. An appropriate colourant must be added when this product is applied to the seed.
--	--

12.4 Grass Forage, Fodder and Hay

CROPS	All Grasses (including Bermuda grass, Bluegrass, and Fescue or Bromegrass) All Gramineae Family (either green or cured [except those in the Cereal Grains group] that will be fed to or grazed by livestock) All pasture and range grasses and grasses grown for hay or silage
DISEASES CONTROLLED	<i>Pythium</i> damping-off (<i>Pythium</i> spp.)
RATE	20 – 40 mL/100 kg seed
APPLICATION METHOD	Seed Treatment
RESTRICTIONS	This product contains no colourant. An appropriate colourant must be added when this product is applied to the seed.
CROPS	Turf Grasses
DISEASES CONTROLLED	<i>Pythium</i> damping-off (<i>Pythium</i> spp.)
RATE	40 mL/100 kg seed
APPLICATION METHOD	Seed Treatment
NOTES	For turf grass seed for golf courses, home lawns, reclamation, and erosion control projects.
RESTRICTIONS	This product contains no colourant. An appropriate colourant must be added when this product is applied to the seed.

12.5 Non-Grass Animal Feeds (Forage, Fodder, Straw and Hay)

CROPS	Sainfoin
DISEASES CONTROLLED	<i>Pythium</i> damping-off (<i>Pythium</i> spp.)
RATE	20 – 40 mL/100 kg seed
APPLICATION METHOD	Seed Treatment
RESTRICTIONS	This product contains no colourant. An appropriate colourant must be added when this product is applied to the seed
CROPS	Alfalfa, Clover, Trefoil, Vetch
DISEASES CONTROLLED	<i>Pythium</i> damping-off (<i>Pythium</i> spp.) and early season <i>Phytophthora</i> root rot (<i>Phytophthora</i> spp.)
RATE	40 mL/100 kg seed
APPLICATION METHOD	Seed Treatment
RESTRICTIONS	This product contains no colourant. An appropriate colourant must be added when this product is applied to the seed.

12.6 Root Vegetables

CROPS	Sugar Beet
DISEASES CONTROLLED	<i>Pythium</i> damping-off (<i>Pythium</i> spp.)
RATE	20 – 40 mL/100 kg seed
APPLICATION METHOD	Seed Treatment
RESTRICTIONS	This product contains no colourant. An appropriate colourant must be added when this product is applied to the seed.

13.0 MINOR USES

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS:

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Albaugh LLC under the User Requested Minor Use Label Expansion program. For these uses, Albaugh LLC has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using

standard practices, to confirm the product is suitable for widespread application.

13.1 Bulb Vegetables

CROPS	Onion (dry and bunching)
DISEASES CONTROLLED	<i>Pythium</i> damping-off (<i>Pythium</i> spp.)
RATE	20 mL/100 kg seed
APPLICATION METHOD	Seed Treatment
RESTRICTIONS	This product contains no colourant. An appropriate colourant must be added when this product is applied to the seed.

13.2 Root Vegetables (Except Sugar Beet)

CROPS	Beet (garden), Burdock (edible), Carrot, Celeriac, Chervil (turnip-rooted), Chicory, Ginseng, Horseradish, Parsley (turnip-rooted), Parsnip, Radish (including oriental), Rutabaga, Salsify (oyster plant, black and Spanish), Skirret, Turnip
DISEASES CONTROLLED	<i>Pythium</i> damping-off (<i>Pythium</i> spp.)
RATE	20 – 40 mL/100 kg seed
APPLICATION METHOD	Seed Treatment
RESTRICTIONS	This product contains no colourant. An appropriate colourant must be added when this product is applied to the seed.

13.3 Cucurbit Vegetables

CROPS	Chayote, Chinese Waxgourd, Citron Melon, Cucumber, Gherkin, Gourd Edible (includes Hyotan, Cucuzza, Hechima, Chinese Okra), Momordica, all Muskmelon, Pumpkin, all Squash, and Watermelon
DISEASES CONTROLLED	<i>Pythium</i> damping-off (<i>Pythium</i> spp.)
RATE	20 – 40 mL/100 kg seed
APPLICATION METHOD	Seed Treatment
RESTRICTIONS	DO NOT TREAT SEEDS IN CANADA. For import use only. Treated seed must be conspicuously coloured.

13.4 Leafy Vegetables

CROPS	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
DISEASES CONTROLLED	<i>Pythium</i> damping-off (<i>Pythium</i> spp.)
RATE	20 – 40 mL/100 kg seed
APPLICATION METHOD	Seed Treatment
RESTRICTIONS	Do not apply Metalaxyl-M 3ST to leafy greens which are destined to be grown in the greenhouse. Containers of bags containing Metalaxyl-M 3ST treated leafy greens seed must be labelled with the restriction "Do not use seed for leafy greens destined to be grown in the greenhouse." This product contains no colourant. An appropriate colourant must be added when this product is applied to the seed.

13.5 Crop group 5A – Head and stem brassica

CROPS	Broccoli, Chinese Broccoli, Brussels Sprouts, Cabbage, Chinese Napa Cabbage, Chinese Mustard Cabbage, Cauliflower, Cavalo Broccoli, Kohlrabi
DISEASES CONTROLLED	<i>Pythium</i> damping-off (<i>Pythium</i> spp.)
RATE	20 – 40 mL/100 kg seed
APPLICATION METHOD	Seed Treatment

RESTRICTIONS	DO NOT TREAT SEEDS IN CANADA. For import use only – not for domestic commercial or on-farm seed treatment. Do not plant treated seed by hand. Treated seed must be conspicuously coloured.
---------------------	---

13.6 Crop Group 8 - Fruiting Vegetables (Except cucurbits)

CROPS	Eggplant, Groundcherry, Pepino, Bell Pepper, Chili Pepper, Cooking Pepper, Pimento, Sweet Pepper, Tomatillo, Tomato
DISEASES CONTROLLED	<i>Pythium</i> damping-off (<i>Pythium</i> spp.)
RATE	20 – 40 mL/100 kg seed
APPLICATION METHOD	Seed Treatment
RESTRICTIONS	DO NOT TREAT SEEDS IN CANADA. For import use only – not for domestic commercial or on-farm seed treatment. Do not plant treated seed by hand. Treated seed must be conspicuously coloured.

14.0 Tank Mixes

This product may be tank mixed with a supplement or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Albaugh LLC at 1-800-247-8013 for information before applying any tank mix that is not specifically recommended on this label.

Albaugh LLC. Has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank mixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application.

To determine the physical compatibility of this product with other products, use a jar test.

Always read and follow label directions including WALES mixing order.

15.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Metalaxyl-M 3ST contains a Group 4 fungicide. Any fungal population may contain individuals naturally resistant to Metalaxyl-M 3ST and other Group 4 fungicides. A gradual or total loss of pest control 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 Metalaxyl-M 3ST or other Group 4 fungicides with different groups that control the same pathogens.

Avoid application of more than the maximum number listed in the label and consecutive sprays of Metalaxyl-M 3ST or other fungicides in the same group in a season.

Use tank mixtures with fungicide from a different group that is effective on the target pathogen when such use is permitted.

Fungicide use should be based on an integrated disease management program that includes scouting, historical information related to pesticide use and crop rotation and considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.

Where possible, make use of predictive disease models to effectively time fungicide applications

Monitor treated fungal populations for resistance development. Notify Albaugh LLC if reduced sensitivity of the pathogen to Metalaxyl-M 3ST is suspected.

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 site of action, if available.

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 Albaugh LLC. at 1-800-247-8013.