GROUP 4 FUNGICIDE

SUBDUE MAXX®

FUNGICIDE

Emulsifiable Concentrate

COMMERCIAL

For control of certain diseases in ornamental plants, greenhouse lettuce, greenhouse pepper, conifers, golf course turf and turf for golf course and sod production.

For Suppression of Sudden Oak Death caused by *Phytophthora Ramorum* on those ornamentals deemed susceptible to this disease by the Canadian Food Inspection Agency (CFIA). For a completed list of the ornamental species, refer to the publication "List of Plants Regulated for *Phytophthora Ramorum* (Sudden Oak Death)," which is updated regularly. www.inspection.gc.ca/english/plaveg/protect/dir/sodspe.shtml.

ACTIVE INGREDIENT:

Metalaxyl-M and S-isomer240 g/L

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

CAUTION: EYE IRRITANT

REGISTRATION NO. **27055**PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1 L to 37.8 L

Syngenta Canada Inc.

140 Research Lane, Research Park Guelph, ON N1G 4Z3 Telephone: 1-877-964-3682

Label

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. The user assumes the risk to persons or property that arises from any such use of this product.

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.

4.0 PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Harmful if swallowed. Avoid inhalation of spray mist. Avoid contact with skin and eyes. Avoid contamination of food and feed and domestic or irrigation water supplies, lakes, streams and ponds.

SUBDUE MAXX® Fungicide is irritating to skin and eyes. Do not get in eyes, on skin or on clothing and avoid breathing spray.

Do not apply in such a way that this product will contact workers or other persons, either directly or through drift. Only handlers (mixers, loaders and applicators) wearing personal protective equipment may be in the area being treated during application.

RESTRICTED ENTRY INTERVAL (REI): With the exception of sod production, do not re-enter treated turf areas (including golf course fairways, tees, greens and nearby approaches) until treated surfaces are dry. For sod farms and all other crops (unless referred to specifically elsewhere), do not re-enter treated areas for 12 hours.

Do not enter or allow worker entry for 24 hours following application to ornamentals and conifers. Outdoor nursery conifers are not to be transplanted by hand for 12 days following application and greenhouse nursery conifers are not to be transplanted by hand for 25 days following application.

Workers shall be given oral warning of the re-entry interval. If early re-entry into treated areas is required, workers must wear long pants, a long-sleeved shirt, chemical resistant gloves and boots, and a hat.

5.0 PERSONAL PROTECTIVE EQUIPMENT

During mixing, loading, application, and clean-up and repair activities, workers must wear long sleeved shirt, long pants, chemical resistant gloves and goggles or a face shield. Change clothing after use. Wash with soap and water after use.

Remove contaminated clothing immediately after use. Store and wash contaminated clothing separately from household laundry before reuse. Wash thoroughly with soap and water after handling. Handle and apply only as recommended on this label. Wash gloves thoroughly with soap and water before removing them during any operation.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Wear freshly laundered clothes daily.

Wash hands thoroughly with soap and water after using this product and before eating, drinking or smoking.

Do not eat, drink or smoke while mixing or during application.

6.0 ENVIRONMENTAL PRECAUTIONS

Avoid application when weather conditions favour drift from the treated areas. Avoid application of this product when heavy rain is forecast.

This product is moderately toxic to wild mammals, which may consume food which contains residues of Metalaxyl-M and S-isomer.

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

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. Keep out of bodies of water.

Do not contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

The use of this product may result in contamination of groundwater, particularly in areas where soils are permeable (e.g. sandy soil) or the water table is shallow. To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to, heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g. compacted or fine-textured soils such as clay). In order to minimize risk to the environment from the use of this product, do not use on coarse textured gravelly soils, soils with less than 2% organic matter, or in areas where the water table may be high.

DO NOT apply using aerial application equipment.

7.0 STORAGE

Do not use or store near an open flame.

8.0 DISPOSAL

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.

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 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 requirements.

IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING, CALL 1-800-327-8633 (FASTMED)

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Pamphlet

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3.0 TOXICOLOGICAL INFORMATION

Treat symptomatically.

4.0 PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Harmful if swallowed. Avoid inhalation of spray mist. Avoid contact with skin and eyes. Avoid contamination of food and feed and domestic or irrigation water supplies, lakes, streams and ponds.

SUBDUE MAXX® Fungicide is irritating to skin and eyes. Do not get in eyes, on skin or on clothing and avoid breathing spray.

Do not apply in such a way that this product will contact workers or other persons, either directly or through drift. Only handlers (mixers, loaders and applicators) wearing personal protective equipment may be in the area being treated during application.

RESTRICTED ENTRY INTERVAL (REI): With the exception of sod production, do not re-enter treated turf areas (including golf course fairways, tees, greens and nearby approaches) until treated surfaces are dry. For sod farms and all other crops (unless referred to specifically elsewhere), do not re-enter treated areas for 12 hours.

Do not enter or allow worker entry for 24 hours following application to ornamentals and conifers. Outdoor nursery conifers are not to be transplanted by hand for 12 days following application and greenhouse nursery conifers are not to be transplanted by hand for 25 days following application.

Workers shall be given oral warning of the re-entry interval. If early re-entry into treated areas is required, workers must wear long pants, a long-sleeved shirt, chemical resistant gloves and boots, and a hat.

5.0 PERSONAL PROTECTIVE EQUIPMENT

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Remove contaminated clothing immediately after use. Store and wash contaminated clothing separately from household laundry before reuse. Wash thoroughly with soap and water after handling. Handle and apply only as recommended on this label. Wash gloves thoroughly with soap and water before removing them during any operation.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Wear freshly laundered clothes daily.

Wash hands thoroughly with soap and water after using this product and before eating, drinking or smoking.

Do not eat, drink or smoke while mixing or during application.

6.0 ENVIRONMENTAL PRECAUTIONS

Avoid application when weather conditions favour drift from the treated areas. Avoid application of this product when heavy rain is forecast.

This product is moderately toxic to wild mammals, which may consume food which contains residues of Metalaxyl-M and S-isomer.

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

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. Keep out of bodies of water.

Do not contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

The use of this product may result in contamination of groundwater, particularly in areas where soils are permeable (e.g. sandy soil) or the water table is shallow. To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to, heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g. compacted or fine-textured soils such as clay). In order to minimize risk to the environment from the use of this product, do not use on coarse textured gravelly soils, soils with less than 2% organic matter, or in areas where the water table may be high.

DO NOT apply using aerial application equipment.

7.0 STORAGE

Do not use or store near an open flame.

8.0 DISPOSAL

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.

For recyclable containers:

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- 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 requirements.

IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING, CALL 1-800-327-8633 (FASTMED)

9.0 PRODUCT INFORMATION

SUBDUE MAXX Fungicide is a systemic fungicide for use on ornamentals grown in nurseries, conifers grown in nurseries, golf course turf and turf for golf course and sod production.

SUBDUE MAXX Fungicide is readily absorbed through the roots of plants providing protection against attack from diseases caused by *Pythium* and *Phytophthora* by working from inside the plants under all weather conditions.

SUBDUE MAXX must be applied preventatively, before disease symptoms are evident, to be effective.

9.1 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. Since the occurrence of resistance cannot be foreseen, Syngenta accepts no responsibility for any loss of or damage to, crops resulting from the failure of SUBDUE MAXX Fungicide to control the resistant fungus strains. If high levels of disease appear, consult the government specialist immediately. Do not use SUBDUE MAXX Fungicide for control of downy mildew diseases on the crops listed on this label. Use only as a soil application except for disease control in turf.

10.0 DIRECTIONS FOR USE

10.1 Ground Application

<u>Field sprayer application:</u> **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural and Biological Engineers (ASABE) medium classification. Boom height must be 60 cm or less above the crop or ground.

10.1.1 Mixing Instructions

SUBDUE MAXX Fungicide Only

Fill the spray tank 1/2 - 3/4 full with water, add the proper amount of SUBDUE MAXX Fungicide. Then add the rest of the water. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

For banded applications, calculate the amount of SUBDUE MAXX Fungicide needed as follows:

<u>band width in cm</u> x broadcast rate = amount needed per hectare row width in cm

10.1.2 Tank Mixtures - Pesticides

SUBDUE MAXX Fungicide can be tank mixed with PRIMO MAXX[®] Turf Growth Regulator. Read the PRIMO MAXX label and follow the precautionary statement and directions for use.

- 1. Always check the compatibility of PRIMO MAXX tank mix using a jar test with proportionate amounts of SUBDUE MAXX Fungicide and the water before mixing in the spray tank.
- 2. Provide sufficient jet or mechanical agitation during filling and application to keep the tank mix uniformly suspended.
- 3. Fill tank at least 1/2 full of clean water.
- 4. Add SUBDUE MAXX Fungicide first then PRIMO MAXX next.

5. Do not leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply them the same day.

When a tank mixture is used, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.

10.1.3 Equipment Clean-Up

Clean Up Before Spraying:

• Prior to using SUBDUE MAXX Fungicide, ensure that the spray tank, lines and filter are thoroughly clean.

Clean Up After Spraying:

- Thoroughly clean application equipment immediately after spraying. To avoid subsequent injury to other crops, immediately after spraying and before spraying other crops, thoroughly remove all traces of SUBDUE MAXX Fungicide from mixing and spraying equipment.
- When using tank mixes, consult the tank-mix partner label for additional cleanup instructions.
- The following recommendations are provided:
 - 1. Drain and flush tank walls, boom and all hoses for ten minutes with a clean water/detergent mixture. Rinse with clean water. **Do not** clean the sprayer near desirable vegetation, wells or other water sources.
 - 2. Remove all nozzles and screens and wash separately.
 - 3. Dispose of all rinsate in accordance with provincial regulations.

10.2 Buffer zones

Use of the following spray methods or equipment DOES NOT require a buffer zone: hand-held or backpack sprayer, spot treatment, inter-row hooded sprayer, soil drench and soil incorporation. The buffer zones specified in the table below for metalaxyl are required between the point of direct application and the closest downwind edge of sensitive freshwater and terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Methods	of	Crop	Buffer Zones (metres) Required for the Protection of:		
application			Freshwater Habitat of Depths:	Terrestrial habitat	
			Less than 1 m		
Field sprayer	1	Turf	1	1	

¹For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with coneshaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%.

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASABE) category indicated on the labels for those tank mix partners.

Avoid spray overlap, or crop injury may result.

10.3 Rotational Crops

Do not plant any crop which is not registered for use with Metalaxyl-M and S-isomer in Metalaxyl-M and S-isomer treated soil for a period of 12 months.

11.0 CROP USE DIRECTIONS

11.1 Ornamentals

Use SUBDUE MAXX Fungicide on container, bench, or bed-grown ornamentals in greenhouses or outdoor nurseries, for control of damping-off, and root and stem rot diseases caused by *Pythium* and *Phytophthora*. SUBDUE MAXX Fungicide may be applied as a soil drench or incorporated into a soil mix for subsequent seeding or transplanting of ornamentals. Ensure that the growing media of container-grown plants is moist prior to a drench application of SUBDUE MAXX Fungicide. If soil surface applications are made indoors, irrigate within 1-2 days to ensure product reaches the root zone. If soil surface applications are made to plants grown in an outdoor nursery or landscape, irrigate with at least 1.5 cm of water if rainfall does not occur within 7 days.

Foliage Plants Aglaonema, Aphelandra, Dieffenbachia, Peperomia, Philodendron Pothos, Schefflera, Sedum, Sempervivum, Zygocactus, poinsettia and other foliage plants not specifically listed	SOIL MIX: Thoroughly mix 5 mL of SUBDUE MAXX Fungicide with each m³ of soil mixture.
Bedding Plants	SOIL MIX at Sonding and at Transplanting
Ageratum, Algerian ivy, Artemisia, Aster, Begonia, Caladium, Carnation, Chrysanthemum, Coleus, English Ivy, Daisy	SOIL MIX at Seeding and at Transplanting : Thoroughly mix 5 mL with each m³ of soil mixture.
(Shasta), Foxglove, Gaillardia, Geranium, Impatiens, Marigold, Pansy, Petunia, Phlox, Pinks, Primrose, Prostrate Rosemary, Salvia, Snapdragon, Verbena, Vinca, Zinnia, and other bedding plants not specifically listed	DRENCH at Seeding and Transplanting: Mix 24 mL with 1000 L of water and apply 5 L of solution per m ² .
Flowers	DRENCH at Transplanting:
Gloxinia	Mix 40 mL with 1000 L of water and apply 5 L of solution per m ² . May cause phytotoxicity.

11.2 Conifers in Nurseries

SUBDUE MAXX Fungicide provides control of *Phytophthora* root rot of conifers. Outdoor nursery conifers are not to be transplanted by hand for 12 days following application and greenhouse nursery conifers are not to be transplanted by hand for 25 days following application.

Conifers in Nurseries	
Seedbeds and Plug-Plantings 2-0 Bare Root Transplants	Apply 1.2 L SUBDUE MAXX Fungicide in at least 200 L of water per hectare in the spring.
	For small areas mix 12 mL product/100 L water and apply 100 L solution/100 m ² .

If soil surface applications are made indoors, irrigate within 1-2 days to ensure product reaches the root zone. If soil surface applications are made to plants grown in an outdoor nursery irrigate with at least 1.5 cm of water if rainfall does not occur within 7 days.

11.3 Turf on Golf Course: greens, tee off and nearby approaches

SUBDUE MAXX Fungicide provides control of *Pythium* blight and *Pythium* damping-off in golf course turf. Within the rate shown below for turf, use the lower rate for the shortest interval listed and the higher rate for the longest interval. Under severe disease conditions, use the highest rate and shortest interval specified. DO NOT make more than 3 applications of SUBDUE MAXX Fungicide per season.

Established Turf Pythium Blight	Apply as a preventative treatment at a rate of 16 to 32 mL SUBDUE MAXX Fungicide in 10 to 20 L of water per 100 square metres. Re-treat at 10 - 21
Fyuliani Blight	day intervals if required. During periods of prolonged conditions favourable
	for disease development use 16 to 32 mL on a 7-14-day schedule.
Newly Seeded Areas Pythium Damping-Off Pythium Blight	Apply 16 to 32 mL SUBDUE MAXX Fungicide in 20 - 40 L of water per 100 square metres immediately after seeding. Irrigate with 1-2 cm of water. Retreat at 7 - 14 day intervals if conditions remain favourable for disease.
	Note: For long-term control of <i>Pythium</i> when using seed treated with the active ingredient contained in SUBDUE MAXX Fungicide, make an application of SUBDUE MAXX Fungicide 7-10 days after seeding.

NOTES:

(1) For *Pythium* control apply another registered fungicide which does not contain Metalaxyl-M and S-isomer at least once per season.

12.0 MINOR USES

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Syngenta Canada Inc. under the User Requested Minor Use Label Expansion program. For these uses, Syngenta Canada Inc. 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.

12.1 Turf for Golf Course and Sod Production - For Control of *Pythium* Root Rot

SUBDUE MAXX Fungicide provides control of *Pythium* root rot on turf for golf course and sod production. Not for use on other institutional and commercial lawns, sports fields, parks, municipal grounds and cemeteries.

Site	Pest	Application rates/Comments
Golf course (greens, tee off and nearby approaches)	Pythium root rot	Apply as a drench at a rate of 1.6 – 3.2 L/ha in 1000 – 2000 L water/ha as a drench.
and Sod production		Apply when disease symptoms first occur.
		Do not make more than one application per season.

12.2 Greenhouse, Container and Field Grown Woody Ornamental Plants (including Conifers) in Nurseries and Landscapes – For Suppression of *Phytophthora ramorum*

SUBDUE MAXX Fungicide provides suppression of *Phytophthora ramorum* on woody ornamentals grown in the greenhouse, containers, field grown and in nurseries and landscape plantings as well as conifers grown in nurseries and plantations.

Fungicide may be applied as a soil drench or incorporated into a soil mix for subsequent seeding or transplanting of ornamentals. Ensure that the growing media of container plants is moist prior to a drench application of SUBDUE MAXX Fungicide. If soil surface applications are made to plants grown in an outdoor nursery or landscape, irrigate with at least 1.5 cm if water if rainfall does not occur within 7 days.

Outdoor nursery conifers are not to be transplanted by hand for 12 days following application and greenhouse nursery conifers are not to be transplanted by hand for 25 days following application.

Site	Pest	Application rates/Comments
Woody	Phytophthora	Field grown stock and landscapes
Ornamentals	ramorum -	Foliar application: Mix 7.8-15.6 mL of product in 100 L of
(greenhouse,	Sudden oak	water and spray to runoff.
container, field	death	
grown, nurseries,		For indoor and outdoor container grown ornamentals
landscape		Drench at seedling:
plantings) Apply only to		Mix 24 mL with 1000 L of water and apply 5 L of solution per m ² .
susceptible woody		Drench at transplanting:
ornamental species		Mix 40 mL with 1000 L of water and apply 5 L of solution per
indicated on the		m ² . May cause phytotoxicity.
CFIA website		
shown on the front		Do not make more than 3 applications per season.
panel.		
•		Repeat if necessary at 2-3 month intervals.
		Apply SUBDUE MAXX prior to infection by <i>Phytophthora</i> ramorum. Preventive applications have been shown to be more efficacious than post-infection applications with <i>Phytophthora</i> ramorum.
		Use in a rotational program with other products labelled for <i>Phytophthora</i> control in ornamental plants as a strategy for resistance management.
		SUBDUE MAXX has been tested on a large number of woody ornamental plants, however, not all species have been tested for phytotoxicity. It is recommended that the user test a small sample before applying to the entire crop.

Site	Pest	Application rates/Comments
Greenhouse Lettuce	Pythium Root Rot (Pythium aphanidermatum)	Method of Application Apply as a soil drench after the cotyledons have fully expanded to the 2nd true leaf stage. Make one drench application of SUBDUE MAXX to the growing media at least one day before transplanting.
		One application per planting cycle. Preharvest Interval (PHI): 21 days
		Rate of Application: Mix 1.5 to 2.5 mL of product in 10L of water. Apply 50-200 mL of the SUBDUE MAXX mixture per m² once as a drench to the growing media at the base of seedlings. Ensure that the growing media of container-grown plants is moist prior to a drench application of SUBDUE MAXX Fungicide. Irrigate within 1-2 days to ensure product reaches the root zone. Use the higher rate under conditions of high disease pressures, or when there is a history of high Pythium disease pressures in the greenhouse.
		DO NOT apply SUBDUE MAXX Fungicide to the foliage. DO NOT apply to lettuce intended for transplant out to fields. Plant safety has been found to be acceptable for many plants, however, not all possible plant species and varieties have been tested under all conditions. It is recommended to test SUBDUE
		MAXX Fungicide on a small portion of the crop to ensure that a phytotoxic response will not occur.
Site	Pest	Application rates/Comments
Greenhouse Pepper Pepper Pest Pythium root rot (Pythium aphanidermatum)	(Pythium	Method of Application: Mix 1.5 to 2.5 mL of product in 10L of water. Ensure that the growing media of container-grown plants is moist prior to a drench application of Subdue MAXX Fungicide. Irrigate within 1-2 days to ensure product reaches the root zone. Use the higher rate under conditions of high disease pressures, or when there is a history of high Pythium disease pressures in the greenhouse.
		Application Volume: Apply 250 mL of the Subdue MAXX mixture as a drench to the growing media at the base of each plant.
		One application per planting cycle.
		Apply immediately after transplanting or when Pythium root rot is present.
		Preharvest Interval (PHI): 2 days
		DO NOT apply Subdue MAXX Fungicide to the foliage. DO NOT use in the propagation house. DO NOT apply to peppers intended for transplant out to fields.

13.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that SUBDUE MAXX Fungicide contains a Group 4 fungicide. Any fungal population may contain individuals naturally resistant to Metalaxyl-M and S-isomer 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:

Use tank mixtures with fungicide from a different group that is effective on the target pathogen when such use is permitted. Where possible, rotate the use of SUBDUE MAXX Fungicide or other Group 4 fungicides with different groups that control the same pathogens.

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 Syngenta if reduced sensitivity of the pathogen to SUBDUE MAXX Fungicide 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 target 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 or to report suspected resistance, contact company representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.

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