

2023-0776
2023-07-04

This label has been updated according to the re-evaluation decision of Thiamethoxam SRD2021-04. While users are encouraged to follow this updated label immediately, the previously approved label is valid until 31/03/2023 in accordance with the phase out period set out in the re-evaluation/special review decision of Thiamethoxam SRD2021-04. This previously approved label will be provided upon request by emailing hc.pmra.info-arla.sc@canada.ca. In your email please include the product name and registration number of the label you are requesting.

GROUPS	4	28	INSECTICIDES
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MINECTO® DUO 40WG

INSECTICIDE

COMMERCIAL

WETTABLE GRANULE

Broad spectrum insecticide for control of listed insect pests on potatoes.

ACTIVE INGREDIENTS:

Thiamethoxam	20%
Cyantraniliprole	20%

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

REGISTRATION NO.: **30900**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **1 kg to 1050 kg**

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.

2.0 FIRST AID

IF POISONING IS SUSPECTED, call a doctor or 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 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.

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.

3.0 TOXICOLOGICAL INFORMATION

There is no specific antidote for this product if ingested. Treat symptomatically.

4.0 PRECAUTIONS

Safety Precautions:

Hazard to humans and domestic animals.

KEEP OUT OF THE REACH OF CHILDREN and domestic animals.

Wash hands and face after handling and before eating or smoking.

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet

Avoid contamination of feed and foodstuffs.

RESTRICTED ENTRY INTERVAL: Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

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 Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682.

5.0 PERSONAL PROTECTIVE EQUIPMENT

Wear long-sleeved shirt, long pants, chemical resistant gloves, socks and boots and safety glasses or goggles when mixing and loading this product. Wear long-sleeved shirt, long pants, socks and boots during application. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash splashes from skin IMMEDIATELY with plenty of water. Remove PPE immediately after handling this product. Wash the outside of gloves with soap and water before removing. As soon as possible, wash thoroughly and change into clean clothing. After spraying, wash hands and shower thoroughly with soap and water.

Heavily contaminated or drenched clothing and other absorbent materials contaminated with this product should be discarded. Do not reuse them.

Users should wash hands and exposed skin before eating, drinking, chewing gum, using tobacco, applying cosmetics or using the toilet.

While using product, do not eat, drink or use tobacco (including smoking).

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.

Do not wear contaminated shoes.

6.0 ENVIRONMENTAL PRECAUTIONS

Toxic to aquatic organisms. Toxic to bees. This product is systemic and bees can be exposed to product residues in flower, leaves, pollen and/or nectar resulting from soil applications.

The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

7.0 STORAGE

To prevent contamination, store this product away from food or feed.

STORE IN A COOL, DRY PLACE.

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 other 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 rinsate to the spray mixture in the tank or dispose of the rinsate in accordance with provincial requirements.
2. Make the empty, rinsed container unsuitable for further use.

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

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Pamphlet

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9.0 PRODUCT INFORMATION

MINECTO® DUO 40WG is a soil applied insecticide with dual modes of action that controls listed sucking and chewing insect pests. MINECTO DUO 40WG also provides residual control of key insect pests in potatoes.

When MINECTO DUO 40WG is applied to the soil, it is readily taken up by the roots of germinating seedlings or transplants and it is rapidly translocated throughout the plant.

10.0 DIRECTIONS FOR USE

10.1. General Information

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

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

DO NOT apply by air.

Apply by closed cab groundboom only.

This product may be tank mixed with a fertilizer, 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 Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682 for information before applying any tank mix that is not specifically recommended on this label.

Syngenta Canada Inc. 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.

10.2. Mixing Instructions

1. Add 1/2 of the required amount of water to the mix tank.
2. With the agitator running, add the MINECTO DUO 40WG to the tank.
3. Continue agitation while adding the remainder of the water.
4. Begin application of the solution after the MINECTO DUO 40WG has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Vigorous agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area. Keep product container tightly closed when not in use.

10.3. Application Method

Soil Application: Apply specified dosage in sufficient water volume to ensure uniform application and incorporation at least 5 cm (2 in) into the soil. Apply as an in-furrow spray at the seeding.

Spray nozzles should provide accurate and uniform spray deposition. To help ensure accuracy, calibrate sprayer before each use. Applications using sufficient water volume to provide thorough and uniform coverage generally provide the most effective pest control. For information on spray equipment and calibration, consult sprayer manufacturers and/or your local agricultural representative specialists.

10.4. Rotational Crop Restrictions

Recommended Plant-Back Intervals (PBI) for Rotational Crops

PBI	CROPS
0 days	Crop Group 1C (Tuberous and corm vegetables); Crop Group 3-07 (Bulb vegetables); Crop Group 4 (Leafy vegetables; except <i>Brassica</i> vegetables); Crop Group 5 (<i>Brassica</i> (Cole) leafy vegetables); Crop Group 13-07B (Bushberry subgroup); Crop Group 20 (Oilseed)
30 days	Crop Group 1A (Root and tuber vegetables); Crop Group 2 (Leaves of root and tuber vegetables); Crop Group 6 (Legume vegetables (succulent or dried)); Crop Group 7 (Foliage of legume vegetables); Crop Group 13-07G (Lowgrowing berry subgroup); Crop Group 15 (Cereal grains); Crop Group 16 (Forage, fodder, and straw of cereal grains); Crop Group 17 (Grass forage, fodder, and hay); Crop Group 18 (Nongrass animal feeds: Forage, fodder, straw and hay)
365 days	Other crops

11.0 CROP USE DIRECTIONS

11.1. Potatoes

POTATOES	
CROP	Potatoes
PEST	Aphids, Colorado potato beetle, flea beetles, potato leafhopper
RATE	440 to 700 g/ha See Rate Conversion Chart – Potatoes for rates per 100 m row.
APPLICATION METHOD	Ground application
APPLICATION TIMING	In-furrow application at the seeding depth.
NOTES	Apply in sufficient water volume to ensure uniform application and incorporation into the soil. DO NOT use a foliar application of a product containing a Group 4 (neonicotinoid) or Group 28 (diamide) insecticide following in-furrow application of MINECTO DUO 40WG.

MINECTO DUO 40WG – RATE CONVERSION CHART - POTATOES

Rate g product /ha	Rate in g product/100 m row of product for specified row spacing													
	Row Spacing (cm)													
	75	80	85	90	95	100	105	110	115	120	125	150	185	215
440	3.30	3.52	3.74	3.96	4.18	4.40	4.62	4.84	5.06	5.28	5.50	6.60	8.14	9.46
700	5.63	6.00	6.38	6.75	7.13	7.50	7.88	8.25	8.63	9.00	9.38	11.25	13.88	16.13

12.0 RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, please note that MINECTO DUO 40WG contains a Group 4A insecticide (thiamethoxam, belonging to the neonicotinoid class of chemistry) and a Group 28 insecticide (cyantraniliprole, belonging to the diamide class of chemistry). Any insect population may contain individuals naturally resistant to MINECTO DUO 40WG and other Group 4 or 28 insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Because resistance development cannot be predicted, the use of this product should conform to sound resistance management strategies established for the crop and use area.

To delay insecticide resistance:

Where possible, rotate the use of MINECTO DUO 40WG or other Group 4 or 28 insecticides with different groups that control the same pests in a field.

Use tank mixtures with miticides/insecticides from a different group that is effective on target pests when such use is permitted.

Insecticide use should be based on an integrated pest management program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.

Monitor treated pest populations for resistance development. If resistance is suspected, do not reapply MINECTO DUO 40WG or other Group 4A or Group 28 insecticides.

Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

For further information or to report suspected resistance, contact company representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.

MINECTO® is a trademark of a Syngenta Group Company.