



## **Salibro™ Nematicide**

with ReklemeI™ active

**FOR CONTROL OR SUPPRESSION OF ROOT KNOT NEMATODES IN CARROTS, CUCURBIT VEGETABLES, FRUITING VEGETABLES, TUBEROUS AND CORM VEGETABLES**

COMMERCIAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

**ACTIVE INGREDIENT:** Fluazaindolizine 500 g/L  
Contains 5-chloro-2-methyl-4-isothiazolin-3-one at 0.00057%, 2-methyl-4-isothiazolin-3-one at 0.00019%, and 1,2-benzisothiazolin-3-one at 0.0193% as preservatives  
Suspension Concentrate

REGISTRATION NO. 34182 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 0.5 L – Bulk

### **Corteva Agriscience Canada Company**

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Calgary, Alberta

T2P 1M4

1-800-667-3852

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## PRECAUTIONS

- **KEEP OUT OF REACH OF CHILDREN**
- Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cab.
- Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.
- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- **DO NOT** enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.
- Apply only to agricultural crops when the potential for drift to areas of human habitation and human activity, such as houses, cottages, schools and recreational areas, is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.
- **DO NOT** apply by air.

## FIRST AID

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.

**TOXICOLOGICAL INFORMATION:** Treat symptomatically.

## 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.

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 filter strip between the treated area and the edge of the water body.

## STORAGE

Store product in original container, in a secure dry storage area, away from other pesticides and fertilizer. Store this product away from food or feed.

## **DISPOSAL**

### **Recyclable container**

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.

### **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 reuse this container for any other purpose.

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.

## **GENERAL INFORMATION**

Salibro™ Nematicide is a selective, effective new generation nematicide that controls or suppresses parasitic root-knot nematodes. It has a unique mode of action and can be used with precision application technology important to growers. Salibro Nematicide helps support a healthy crop root system, by protecting against root-knot nematode damage, which is critical to maximizing water and nutrient utilization. Salibro Nematicide is used to control or suppress root-knot nematodes in carrots, tuberous vegetables, cucurbits and fruiting vegetables.

Salibro Nematicide can be applied pre plant incorporated, broadcast followed by soil incorporation, in furrow, or via chemigation. Salibro Nematicide is a core component of an integrated nematode management program.

## **DIRECTIONS FOR USE**

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.

Salibro Nematicide is a suspension concentrate to be diluted with water. Shake well before use. All applications to the soil must be incorporated immediately after application to a depth of at least 10 cm by mechanical means or by water. For optimum performance, place this product in the root zone of the plant. If irrigation is used to incorporate the application, use a sufficient amount of water to move the applied product at least 10 cm deep in the soil. However, do not apply irrigation water such that the water moves off the field. Drip tape or emitters must be located within or directly adjacent to the root zone that requires protection from nematodes.

Use this product only in commercial and farm planting settings. This product should not be used in home planting, hydroponic systems, or transplant tray drench or transplanting water applications.

Do not apply more than the maximum yearly rate for each specific crop from any combination of products containing

**CROP ROTATION**

Salibro Nematicide is degraded by natural soil processes, and field tests have shown that all crops on the label may be replanted at any time following the last application of Salibro Nematicide. All other crops listed below can be planted 14 days following the last application of Salibro Nematicide.

| <b>Rotational Crops</b>  | <b>Planting Time from Last Application</b> |
|--|--|
| Carrots, CSG1C, CG8-09, CG9                                      | Immediately                                |
| Root vegetables, except sugar beets (CSG1B, except carrot roots) | 14 days                                    |
| Leaves of root and tuber vegetables (crop group 2)               |  |
| Bulb vegetables (crop group 3-07)                                |  |
| Leafy vegetables (crop group 4-13)                               |  |
| Brassica head and stem vegetable (crop group 5-13)               |  |
| Legume vegetables, succulent or dried (crop group 6)             |  |
| Foliage of legume vegetables (crop group 7)                      |  |
| Low growing berries (crop subgroup 13-07G)                       |  |
| Cereal grain (crop group 15)                                     |  |
| Forage, fodder, and straw of cereal grains (crop group 16)       |  |
| Grass forage, fodder, and hay (crop group 17)                    |  |
| Oilseeds revised (crop group 20)                                 |  |
| Stalk, stem, and leaf petioles (crop group 22)                   |  |
| All other crops  | 365 days                                   |

**APPLICATION EQUIPMENT AND METHODS**

**Pre-plant incorporated or broadcast followed by soil incorporation**

Apply this product using conventional application equipment. Prepare the spray mix by adding the product to the spray tank with a minimum of 140 L/ha of water to obtain a uniform application. Maintain sufficient agitation during mixing and application to ensure a homogeneous spray solution. Uniformly apply the spray mix over the field and incorporate mechanically or through irrigation to a depth of 10-15 cm with incorporation equipment to ensure even distribution

**In-furrow**

Where permitted by crop specific use directions apply in-furrow during planting operations. Direct applications into the open furrow and cover with soil.

**Chemigation Application**

This product can be applied by chemigation application.

Do not apply this product through any other type of irrigation system.

Do not apply when wind speed causes non-uniform distribution and/or favors drift beyond the area intended for treatment.

Do not apply by chemigation if the area to be treated is within 100 metres of a residential area or park.

Use any of the following types of irrigation equipment for chemigation applications: mini (micro) sprinkler, drip (trickle), or strip tubing irrigation systems, or other systems that provide uniform application.

Apply in sufficient water and of sufficient duration to apply the labeled rate evenly to the entire treated area. Wear personal protective equipment as defined in the PPE section of the label for applicators and other handlers when making adjustments or repairs on the chemigation system when this product is in the irrigation water. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

Any drip system used must be properly designed, free of leaks, and operated in a manner that provides uniform application of water in the targeted root zone area across the field.

In most situations, this product should be applied in the second quarter or middle third of the drip cycle. The delivery system should be fully charged with water, and at required operating pressure, then sufficient water should be applied to the soil root zone to ensure it is moist, and then this product is applied, and then a further amount of water is applied to distribute the product in the soil and ensure the drip system is thoroughly flushed through.

The minimum injection period is the time that it takes water to move from the injection point to the furthest emitter in the irrigation zone (line). If this time is not known, it can be calculated by measuring the time for a soluble dye to move from the injection point to the farthest emitter. A longer injection time may improve uniformity throughout the zone, but needs to allow for at least an equal period of flush and move the product through the soil. If you have any questions about calibration, you should contact service specialists, equipment manufacturers, or other specialists.

#### **Chemigation Equipment Requirements**

1. The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Chemigation systems connected to public water systems must contain a functional, reduced pressure zone, backflow preventer (RPZ), or other functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top of the overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

### **Chemigation Restrictions**

- Do not apply this product at the same time that a drip/irrigation line clean out product is being used as performance may be reduced.
- Do not allow irrigation water to collect or run off during chemigation.
- Do not connect any irrigation system used for pesticide applications to a public water system unless the pesticide label-prescribed safety devices are in place.

### **Chemigation Precautions**

- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
- If you have questions about calibration, contact your provincial extension service specialist, equipment manufacturer, or other expert.
- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Field sprayer application: 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 Engineers (ASAE S572.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

Chemigation: 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 Engineers (ASAE S572.1) medium classification. Applications MUST be conducted WITHOUT the use of end guns.

DO NOT apply by air.

### **MIXING INSTRUCTIONS**

1. Fill spray tank 1/4 to 1/2 full of water.
2. Add Salibro Nematicide directly to the spray tank.
3. Mix thoroughly to fully disperse the product.
4. Once dispersed, continue agitation using mechanical or hydraulic means; do not use air agitation.

Do not store spray mix overnight in spray tank. Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures.

This product cannot be mixed with any product containing a label prohibition against such mixing.

### **TANK MIXING**

In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact Corteva Agriscience Canada Company at 1-800-667-3852 for information before mixing any pesticide or fertilizer that is not specifically recommended on this label. The user assumes the risk of losses that result from the use of tank mixes that do not appear on this label or that are not specifically recommended by Corteva Agriscience Canada Company.

### **SPRAYER CLEANUP**

Prior to application, start with clean, well maintained application equipment. Immediately following application, thoroughly clean all spray equipment to reduce the risk of forming hardened deposits which might become difficult to remove.

Drain spray equipment. Thoroughly rinse sprayer and flush hoses, boom and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean near wells, water sources or desirable vegetation.

Dispose of waste rinse water in accordance with local regulations.

**TUBEROUS AND CORM VEGETABLES (CROP SUBGROUP 1C) (Arrowroot, chayote root, Chinese artichoke, Jerusalem artichoke, edible canna, chufa, dasheen, ginger, potato, sweet potato, and true yam)**

| Target Pest  | Application Timing and Method                                      | Application Rate   | Use Information   | RESTRICTIONS AND PRECAUTIONS   |
|--|--|--|---|--|
| Root-knot nematode ( <i>Meloidogyne spp.</i> )<br>(Suppression at low rate and control at high rate) | Pre-plant incorporated or broadcast followed by soil incorporation | 2.24-4.48 L/ha<br><br>(1.12 – 2.24 kg ai/ha)   | Broadcast with a minimum of 140 L/ha of water and thoroughly incorporate 10-15 cm into the soil.<br><br>For maximum residual efficacy, pre-plant incorporate within 7 days prior to planting. | Do not apply more than 4.48 L/ha or 2.24 kg ai/ha per year.<br><br>Do not make more than 2 applications per year.<br><br><b>Minimum retreatment interval:</b> 14 days<br><br><b>PHI:</b> 40 days |
|  | In-furrow  | 2.24-4.48 L/ha<br><br>(1.12 – 2.24 kg ai/ha)<br><br>20.2 – 40.3 ml/100 m row (based on 90 row spacing) |   |  |
|  | Chemigation (post-plant)   | 1.12 – 2.24 L/ha<br><br>(0.56 – 1.12 kg ai/ha)   | Supplemental in-season chemigation following a pre-plant or at plant application of Salibro Nematicide or a registered fumigant.  |  |

**CARROT**

| Target Pest   | Application Timing and Method                                      | Application Rate                               | Use Information   | RESTRICTIONS AND PRECAUTIONS  |
|---|--|--|---|---|
| Root-knot nematode ( <i>Meloidogyne spp.</i> ) (Suppression at low rate and control at high rate) | Pre-plant incorporated or broadcast followed by soil incorporation | 2.24 - 4.48 L/ha<br><br>(1.12 – 2.24 kg ai/ha) | Broadcast with a minimum of 140 L/ha of water and thoroughly incorporate 10-15 cm into the soil.<br><br>For maximum residual efficacy, pre-plant incorporate within 7 days prior to planting. | Do not apply more than 4.48 L/ha or 2.24 kg ai/ha per year.<br><br>Do not make more than 2 applications per year.<br><br><b>Minimum retreatment interval: 14 days</b> |
|   | Chemigation (post-plant)   | 1.12 – 2.24 L/ha<br><br>(0.56 - 1.12 kg ai/ha) | Supplemental in-season chemigation following a pre-plant or at plant application of Salibro Nematicide or a registered fumigant   | <b>PHI: 65 days</b>   |

**CUCURBIT VEGETABLES (CROP GROUP 9) (Chayote, Chinese waxgourd, citron melon, cucumber, gherkin, edible gourd [hyotan, cucuzza, hechima and Chinese okra], *Momordica spp.* [balsam apple, balsam pear, bitter melon and Chinese cucumber], muskmelon [true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon and snake melon], pumpkin, summer squash [crookneck squash, scallop squash, straightneck squash, vegetable marrow and zucchini], winter squash [butternut squash, calabaza, hubbard squash, acorn squash and spaghetti squash], and watermelon)**

| Target Pest   | Application Timing and Method                                      | Application Rate                                 | Use Information   | RESTRICTIONS AND PRECAUTIONS  |
|---|--|--|---|---|
| Suppression of root-knot nematode ( <i>Meloidogyne spp.</i> ) | Pre-plant incorporated or broadcast followed by soil incorporation | 1.12 – 1.68 L/ha<br><br>(0.56 – 0.84 kg ai/ha)   | Broadcast with a minimum of 140 L/ha of water and thoroughly incorporate 10-15 cm into the soil.<br><br>For maximum residual efficacy, pre-plant incorporate within 7 days prior to planting. | Do not apply more than 3.36 L/ha or 1.68 kg ai/ha per year<br><br>Do not make more than 2 applications per year.<br><br><b>Minimum retreatment interval: 14 days.</b> |
|   | Chemigation (Pre-plant or at-plant)                                |  |   |   |
|   | Chemigation (post-plant)   | 0.56 - 1.12 – L/ha<br><br>(0.28 - 0.56 kg ai/ha) | Supplemental in-season chemigation following a pre-plant or at plant application of Salibro   | <b>PHI: 1 day</b><br><br>When high nematode pressure is expected or to  |



|  |  |  |                                     |   |
|--|--|--|-------------------------------------|---|
|  |  |  | Nematicide or a registered fumigant | extend residual control, use 1.68 L/ha at-plant or 1.12 L/ha at-plant followed by 0.56 L/ha per year.<br><br>Do not exceed 1.68 L/ha per crop year. |
|--|--|--|-------------------------------------|---|

**FRUITING VEGETABLES (CROP GROUP 8-09) (African eggplant, currant tomato, eggplant, garden huckleberry, goji berry, ground cherry, martynia, okra, pea eggplant, pepino, bell pepper, non-bell pepper, scarlet eggplant, sunberry, tomatillo and tomato )**

| Target Pest   | Application Timing and Method   | Application Rate                               | Use Information   | RESTRICTIONS AND PRECAUTIONS  |
|---|---|--|---|---|
| Root-knot nematode ( <i>Meloidogyne spp.</i> ) (Suppression at low rate and control at high rate) | Pre-plant incorporated or broadcast followed by soil incorporation<br><br>Chemigation (Pre-plant or at-plant) | 2.24-4.48 L/ha<br><br>(1.12 – 2.24 kg ai/ha)   | Broadcast with a minimum of 140 L/ha of water and thoroughly incorporate 10-15 cm into the soil.<br><br>For maximum residual efficacy, pre-plant incorporate within 7 days prior to planting. | Do not apply more than 4.48 L/ha or 2.24 kg ai/ha per year.<br><br>Do not make more than 3 applications per year.<br><br><b>Minimum retreatment interval:</b> 14 days |
|   | Chemigation (post-plant)  | 1.12 – 2.24 L/ha<br><br>(0.56-1.12 – kg ai/ha) | Supplemental in-season chemigation following a pre-plant or at plant application of Salibro Nematicide or a registered fumigant   | <b>PHI:</b> 1 day   |

**RESISTANCE-MANAGEMENT RECOMMENDATIONS**

The Mode of Action of Salibro Nematicide has not yet been classified. Although resistance in nematode populations has not been proven, repeated exclusive use of any nematicide in the same field soil may lead to a reduction in control due to enhanced microbial biodegradation or other causes. Rotation with nematicides with a different mode of action is suggested. Appropriate resistance-management strategies should be followed.

**To delay nematocide resistance**

- Where possible, rotate the use of Salibro Nematicide with different groups that control the same nematodes.
- Nematicide use should be based on an integrated nematode management program that includes scouting, historical information related to nematode use and crop rotation and considers host plant resistance, impact of environmental conditions on nematode development, nematode thresholds, as well as cultural, biological and other chemical control practices.
- Monitor treated plant parasitic nematode populations for resistance development. Notify Corteva Agriscience Canada Company if reduced sensitivity of the nematode to Salibro Nematicide is suspected.
- If nematodes continue to progress after treatment with this product, do not increase the use rate, discontinue use of this product, and switch to another nematicide with a different mode 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 pests.
- For further information and to report suspected resistance, contact Corteva Agriscience Canada Company representatives at 1-800-667-3852.

**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.

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Label Code:CN-34182-002-E

Replaces: CN-34182-001-E

Specimen Label Notes:

Reduce rates in cucurbits