

ENGAGE AGRO USA

DAZITOL CONCENTRATE For Agricultural and General Soil Treatment Use

SOIL TREATMENT
TO CONTROL AND REPEL LISTED INSECTS AND FUNGI IN SOIL
◆ NEMATODES ◆ CERTAIN FUNGI

Active Ingredients

Capsaicin and related Capsaicinoids*	0.42%	* Oleoresin of Capsicum
Allyl Isothiocyanate**	3.70%	** From Essential Oil of Mustard
Other Ingredients	95.88%	
Total	100.00%	

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

If on skin or clothing	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 minutes.• Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none">• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by the poison control center or doctor.• Do not give anything to an unconscious person.• Call a poison control center or physician for treatment advice.
If in eyes	<ul style="list-style-type: none">• 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.• Call a poison control center or physician for treatment advice.
If inhaled	<ul style="list-style-type: none">• 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 center or doctor for further treatment advice

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378, 6:30 to 4:30 PST.

Manufactured for:
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118 E. Carleton Street, Suite A
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EPA Reg. No. 61966-4-87865
EPA Est. No. 89544-NJ-001
Patent No. 6,051,233

NET CONTENTS: 2.5 GALLONS

CAUTION: Harmful if absorbed through skin, swallowed, or inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse. If inhaled, move person to fresh air. Wear the appropriate Personal Protective Equipment (PPE).

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long sleeve shirt and long pants
- Chemical-resistant gloves
- Footwear plus socks
- Protective eyewear

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

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. This product may be toxic to aquatic organisms. Do not apply to allow runoff to reach lakes, streams and ponds. Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate. Do not dump rinse water into sewers or other bodies of water.

Bee Precaution: Do not apply prior to or during pollination as Dazitol kills and repels bees and therefore, adversely affects pollination.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State or Tribe, consult the State/Tribal agency responsible for the pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agriculture pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of four (4) hours unless wearing appropriate PPE.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Long-sleeved shirt and long pants,
- Protective eyewear
- Footwear plus socks.
- Chemical-resistant gloves,

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of four (4) hours unless wearing appropriate PPE.

PPE required for early entry to treated areas that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Long-sleeved shirt and long pants,
- Protective eyewear
- Footwear plus socks.
- Chemical-resistant gloves,

The product must only be opened and used in a well-ventilated area.

Bee Precaution: Do not apply prior to or during pollination as Dazitol repels bees and therefore adversely affects pollination. Do not use material if it cannot be applied according to the use patterns on the label.

SOIL TREATMENT USES AND PESTS CONTROLLED

For use on the following nematodes, soil borne fungi, insects in the soil and mollusks:

Nematodes: Sting, root-knot spp. *Tylenchus*, *Pratylenchus*, *Xiphinema*, *Criconeoides*, *Meloidogyne*, *Trichodoridos*, *Saprofagos*, and *Paratylenchus*.

Soil Borne Fungi: *Fusarium*, *Pythium*, *Rhizoctonia*, *Phytophthora*, *Pyrenochaeta*, *Sclerotium*, *Armillaria*, and the clubroot organism, *Plasmodiophora*.

Insects in the Soil at the Time of Treatment: Wireworms, Cutworms, June beetle, June beetle larvae, Japanese beetles, white grubs, garden symphylan.

Mollusks: Slugs and snails.

SOIL TREATMENT APPLICATION METHODS

Apply through a drip irrigation system, or for smaller areas, apply by hand using a hand sprayer. Specific directions for each application method follow.

GENERAL SOIL TREATMENT APPLICATION RATES

Open field: Use 6.25 gallons of Dazitol Concentrate for one acre.

Greenhouse: Use 0.125 gallons (16 oz.) of Dazitol Concentrate for 500 sq. feet .

MIXING DIRECTIONS (Dilutions)

1. Dilute Dazitol Concentrate at a rate of 19 fl. oz per gallon of water. This is equal to **approximately 15% Dazitol Concentrate and 85% water.**
2. Mix Dazitol Concentrate and water thoroughly in a supply tank until a uniform consistency is obtained.
3. Applying Dazitol immediately after preparation ensures that it is in suspension. If application is delayed, agitation re-mixing of Dazitol and checking for re-suspension ensures proper blending.

USE SITES

Field soils to be planted to:

Brassica vegetables, asparagus, broccoli, cauliflower, eggplants, lettuce, garlic, leek, cereal grains, cucurbit crops, peppers, pineapples, leafy vegetables, legume vegetables, strawberries, bush berries, tomatoes, root and tuber vegetables, citrus, deciduous fruits and nuts, vineyards, nut trees, pome fruit trees, stone fruit trees.

Nursery, Turf, and Ornamentals Soil: Turf, lawns, parks, golf greens, athletic fields, recreational turf area, ornamentals, floral crops, forest tree seedlings, strawberry

Greenhouse Soils: Non-food crops; tomatoes

Seed or Transplant Beds: Tobacco, Cotton

METHODS OF APPLICATION

CHEMIGATION: Refer to use directions in the insert for chemigation, entitled “Dazitol Protocol for Drip Irrigation Application.” Do not apply this product through any irrigation system unless the labeling on chemigation is followed.

Dazitol Protocol for Drip Irrigation Application

General Chemigation Application Information:

1. Apply this product only through a drip (trickle) irrigation system. Do not apply this product through any other type of irrigation system. **DO NOT APPLY USING A FERTILIZER TANK.**
2. Crop injury, lack of effectiveness or illegal pesticide residues can result from non-uniform distribution of treated water.
3. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
4. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
5. 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.

at least 25 individuals daily at least 60 days out of the year.

2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back flow preventer (RPZ) or the 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 flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection.
4. The pesticide injection pipeline must 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.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, 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. Do not apply when wind speed favors drift beyond the area intended for treatment.

For Drip (Trickle) Chemigation Systems:

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 from back flow.
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 dosed, 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. Do not apply when wind speed favors drift beyond the area intended for treatment.

Prior to Treating Soil:

1. Always have an assistant and use proper protective equipment (PPE).
2. Keep the field reasonably free of trash before starting soil treatment.

Necessary Equipment: Irrigation drip (trickle) system

Field Soil Treatment Prior to Application:

1. Work the soil until it is free of clods, large lumps, or large rocks. Work any residue from previous crops into the soil to allow for decomposition prior to treating soil. Plow or rip the soil to depth to which effective treatment is required.
2. Make the beds or prepare the rows and lay the drip system.
3. For best results, keep the soil moist for at least four days prior to treatment. Seed germination will benefit from optimum soil moisture. Treat coarse texture soils with higher moisture content than fine textured soils.

Product Application:

1. Mix Dazitol Concentrate through the drip system at the rates given above under **GENERAL SOIL TREATMENT APPLICATION RATES**.
2. Place the drip system on the soil as usual, as if to irrigate the soil, making sure that the water will reach the root system.
3. **MAKE SURE THE DRIP SYSTEM RUNS PROPERLY.** Check for leaks in the lines before beginning.

5. For best results, apply during cool periods of the day.
6. Do not treat soil if the soil temperature is below 50 degrees F.
7. Apply Dazitol (diluted Dazitol Concentrate) three (3) to five (5) days before planting.
8. Use an injector at the entry line to the greenhouse or field.
9. Set the injector to inject Dazitol Concentrate for 15 minutes to no more than 20 minutes. For proper results, it is important to observe this timing, because each irrigation system has different water pressures and water flow.
10. Run water through the drip system to fill the irrigation lines. The diluted Dazitol will travel in the ground in the same manner as the water would travel alone
- 11 Check the end line to make sure that the water is completely through the system.
12. Pour the amount of Dazitol Concentrate into a supply tank that is needed for application to the field or greenhouse.
13. Once the lines are filled with water, start the Dazitol Concentrate.
14. Run the water until all the Dazitol Concentrate has emptied through the system. Observe the end of the line. There will be a color difference when the lines are clear of the diluted Dazitol Concentrate.
15. Once the water becomes clear, turn the system off.
16. Wait three (3) to five (5) days and plant.
17. If there is infestation during the crop season, repeat application using one-fourth (1/4) of the initial required amount of Dazitol Concentrate.

Hand Application

Necessary Equipment: Hand sprayer.

Tank Mixing For Hand Application

Do not mix Dazitol Concentrate with other pesticides. Mixing Dazitol Concentrate with other pesticides or products other than water as specified in this label will reduce product effectiveness.

Mixing Directions

Fill the spray tank one-half (½) full with water, add the measured amount of Dazitol Concentrate so there will be a ratio of 15% Dazitol Concentrate to 85% water, then add the rest of the water to achieve this mixture. Provide sufficient agitation during mixing and spraying to maintain a uniform emulsion.

Prior to Treating Soil

1. Always have an assistant and use proper protective equipment (PPE).
2. Keep the field reasonably free of trash before starting soil treatment.

Field Soil Treatment Prior to Application

1. Work the soil until it is free of clods, large lumps, or large rocks. Work any residue from previous crops into the soil to allow for decomposition prior to treating soil. Plow or rip the soil to depth to which effective treatment is required.
2. Make the beds or prepare the rows and lay the drip system.
3. For best results, keep the soil moist for at least four days prior to treatment. Seed germination will benefit from optimum soil moisture. Treat coarse texture soils with higher moisture content than fine textured soils.

Product Application

1. Apply as a full coverage to the soil. Hoe the diluted Dazitol mixture thoroughly into the soil, making sure the treatment has left the soil moist.
2. Apply during cool periods of the day.
3. **Wait three (3) to five (5) days before planting.**
4. If there is infestation during the crop season, or to maintain the control of the insects and listed fungi, repeat the application using one-fourth (1/4) of the initial required amount of Dazitol Concentrate.

Drench Application for Trees (Bearing and Nonbearing)

Necessary Equipment: Hand sprayer.

Tank Mixing For Drench Application

Do not mix Dazitol Concentrate with other pesticides. Mixing Dazitol Concentrate with other pesticides or products other than water as specified in this label will reduce product effectiveness.

Mixing Directions

Fill the spray tank one-half (½) full with water, add the measured amount of Dazitol Concentrate so there will be a ratio of 15% Dazitol Concentrate to 85% water, then add the rest of the water to achieve this mixture. Provide sufficient agitation during mixing and spraying to maintain a uniform emulsion.

Prior to Treating Soil: always have an assistant and use proper protective equipment (PPE).

Product Application

1. Dilute Dazitol Concentrate at the rates given under Mixing Directions above.
2. For sandy soils, no trench is needed.
3. For clay or hard soils, dig a three (3) to four (4) foot diameter trench around the tree to help concentrate the flow into the ground.
4. Apply the DILUTED Dazitol at the following rates:
 - For small trees: two (2) gallons
 - For large trees: five (5) gallons

STORAGE AND DISPOSAL DRUMS AND TANKS

Storage and Handling: Do not contaminate water, food or feed by storage and disposal. Store in a dry, cool, well-ventilated area. Store only in the original container inaccessible to children and pets in a cool, dry place, out of direct sunlight and away from heat, open flames or hot surfaces. Do not freeze. Persons moving, handling, or opening containers must wear the personal protective clothing. Open container only in a well ventilated area.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal:

Nonrefillable. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY STATEMENT

Champon Millennium Chemicals, Inc. warrants that this product conforms to the description on the label and is reasonably fit for the purposes set forth on the label, when used in accordance with directions and under normal conditions. Neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to the label instructions; the user assumes all risk of any such uses.

For Chemical Emergency
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300

For product use or customer service inquiries, call 928-445-7990



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