

PM 91

) 275-100

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ABG-9008

Biological Nematicide  
Wettable Powder

ACTIVE INGREDIENT

ABG-9008 Technical Powder Containing Dried Fermentation  
Solids and Solubles of *Myrothecium verrucaria* \* .....100.0% w/w  
\*U.S. Patent No. 5,051,255

POTENCY: 62,500 RKU (Root-knot Units) per gram of product.

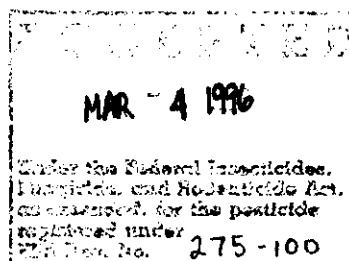
Potency units should not be used to adjust use rates beyond those specified in the  
Directions For Use section.

KEEP OUT OF REACH OF CHILDREN

CAUTION

EPA Reg. No. 275-100  
EPA Est. No.  
Lot No.  
Net Contents: 50 lbs (22.7 kg)

Abbott Laboratories  
Chemical and Agricultural Products Division  
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**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Immediately flush with plenty of water. Get medical attention if irritation persists.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS (& DOMESTIC ANIMALS)**

Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

**Personal Protective Equipment**

Applicators and other handlers must wear:

- \* Long-sleeved shirt and long pants
- \* Waterproof gloves
- \* Shoes plus socks

**User Safety Recommendations**  
 Users should:  
 - Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

**DIRECTIONS FOR USE**

It is a violation 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 requirements specific to your State or Tribe, consult the Agency responsible for pesticide regulations.

**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 agricultural 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 intervals. The requirements in this box only 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 4 hours.

Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard under certain circumstances allows workers to enter the treated area if there will be no contact with anything that has been treated.

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:

- \* Coveralls
- \* Waterproof gloves
- \* Shoes plus socks

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by improper storage or disposal.

**Pesticide Storage:** Keep containers tightly closed when not in use. Store in a cool, dry place. Avoid extreme temperatures.

**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:** Do not reuse liner or drum. Completely empty liner by tapping sides and bottom to loosen clinging particles. Dispose of liner in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Perforate or crush drum and dispose of in the same manner.

### APPLICATION DIRECTIONS

ABG-9008 controls the following plant nematodes parasitizing food, fiber and ornamental crops: *Meloidogyne* spp. (root-knot nematode), *Heterodera/Globodera* (cyst nematode), *Pratylenchus* spp. (lesion nematode), *Tylenchulus semipenetrans* (citrus nematode), *Trichodorus* spp. (stubby-root nematode), *Paratylenchus* spp. (pin nematode), *Rotylenchulus* spp. (reniform nematode), *Xiphinema* spp. (dagger nematode), and other tylenchid nematodes parasitizing food, fiber and ornamental crops.

### APPLICATION DIRECTIONS FOR WETTABLE POWDER

ABG-9008 may be applied using equipment suitable for application of flowable or granular and wettable powder products.

The product may be used as a pre-plant or a post-plant treatment on annual and perennial crops. The optimal application timing for perennial crops should be determined based on the cultural practices and the nematode population dynamics. Generally, for perennial crops, apply materials just prior to the root flush in order to protect the young roots from nematode pests. Multiple applications may be required for plants with multiple root flushes and for larger trees or established crops, or in areas of heavy nematode infestations.

### GENERAL INSTRUCTIONS

Because of the nature of the active ingredient and the distribution of target pest(s) in agricultural soils, in-row or band application may be suitable for adequate nematode control. For pre-plant or pre-seeding applications, apply the product as a row or band treatment at the rate of 20 - 40 lbs/acre or 1.4 to 3.2 lb/1000 linear feet of row depending on the row spacing. Apply in a band 12 inches wide on the row at planting. After application in dry form, incorporate the material in 3-6" of soil. Planting or seeding can be done immediately after application.

For post-plant applications to row crops, apply the product evenly as a band treatment at the rate of 20-40 lbs/acre on the surface of the soil. Incorporate without damaging the roots. For trees and vines, apply the material to the outerperimeter of the drip line. Apply with enough water to enable penetration of product to the root-zone of the plant.

In coarse (light) soils with less than 1% organic matter, efficacy may be impaired.

Use the higher rates in fields where nematode infestations have been especially severe.

Crop	Nematode	Rate(#/A)	Application
Root, Tuber Crops such as Beet, Carrot, Potato and Sugar Beet	<i>Meloidogyne</i> spp. <i>Heterodera</i> spp.	20-40	Apply 3-6 days after seeding. Incorporate by side dressing.
Fruiting vegetables such as Egg Plant, Pepper, Tomato	<i>Meloidogyne</i> spp.	20-40	Incorporate into soil prior to seeding
Cole Crops such as Broccoli, Cabbage Cauliflower	<i>Heterodera</i> spp. <i>Meloidogyne</i>	20-40	Incorporate into soil prior to seeding
Curcubits such as Cucumbers, Melons, Squash	<i>Meloidogyne</i> spp.	20-40	Incorporate into soil prior to seeding
Flowers, bedding plants Ornamentals such as Easter lilies	<i>Pratylenchus</i> spp.	40	Incorporate into soil prior to seeding
Citrus fruits*	<i>Tylenchulus semipenetrans</i>	40	Incorporate into soil around the root zone

\*For all states except California,

The ABG-9008 application directions refer to the use of the product alone. Data concerning the compatibility of ABG-9008 with other agricultural compounds are not available. Abbott Laboratories does not assume responsibility for unexpected results due to the tank mixing of ABG-9008 with other products.

### CHEMIGATION

ABG-9008 may also be mixed with water and the thoroughly mixed suspension applied through drip irrigation systems so as to treat the soil around the crop root-zone. It is recommended that the material be used immediately after mixing in order to avoid settling in the tanks.

Do not apply this product through any type of irrigation system unless labeling on chemigation is followed.

### CHEMIGATION USE DIRECTIONS

Apply this product only through the following types of systems: drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system.

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, you should contact State Extension Specialist, equipment manufacturers or other experts.

Do not connect to irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label safety devices for public water systems are in place.

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 the necessary adjustments should the need arise.

Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops.

Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located in the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injecting pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

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.

The system must contain functional controls to automatically shut off the pesticide injection pump when the water pump motor stops.

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.

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.

### **Product Preparation for Chemigation**

First prepare a suspension of ABG-9008 Wettable Powder in a mix tank. Fill tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of ABG-9008 and the remaining volume of water. Set the pesticide delivery system to continuously and uniformly deliver the suspension of ABG-9008 into the irrigation water so as to deliver the desired rate per acre.

### **NOTICE TO USER**

Seller makes no warranty, express or implied, of the merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

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