

# ASPERELLO

**T34**  
 Biocontrol


For organic use

FOR ORGANIC PRODUCTION

## Biological Fungicide and Bactericide Wettable Powder

For the protection of crops against diseases caused by: *Botrytis cinerea*, *Burkholderia glumae*, *Cephalosporium maydis*, *Didymella bryoniae*, *Fusarium spp.*, *Gibberella fujikuroi*, *Leptosphaeria lindquistii*, *Macrophomina phaseolina*, *Magnaporthe oryzae*, *Mycosphaerella spp.*, *Phytophthora spp.*, *Pythium spp.*, *Ralstonia solanacearum*, *Rhizoctonia spp.*, *Sclerotinia spp.* and *Sclerotium spp.*

For indoor and outdoor crops

For use on ornamentals, food, and non-food crops

### READ THE LABEL BEFORE USING

#### ACTIVE INGREDIENT:

*Trichoderma asperellum*, strain T34\* ..... 12.00 %

**OTHER INGREDIENTS:** ..... 88.00 %

**TOTAL:** ..... **100.00 %**
\*Contains 3 x 10<sup>11</sup> colony forming units per Kg of product.
**EPA Reg. No: 87301-1-91594**
**EPA Est. No: 91667-CHK-001**

91521-FRA-001

94743-BEL-001

## KEEP OUT OF REACH OF CHILDREN CAUTION

See inside booklet for additional Precautionary Statements and complete Directions for Use.

### FIRST AID

<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

**HOTLINE NUMBER:** Have the product container or label with you when calling a poison control center or doctor or going for treatment. For medical emergencies, call the Poison Control Center **1-800-222-1222**. For general information on this product, contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at <http://npic.orst.edu>.

### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in original container in a cool dry place. **When kept at 40°F (4°C), the viability of the product provides effective rates for up to 24 months.**

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

**Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling, if available or dispose of empty bag in sanitary landfill or by incineration.

#### Manufactured for:

Biocontrol Technologies S.L.  
 Avda. Madrid, 215-217, entresòl A  
 08014 Barcelona, Spain

#### Distributed by:

BIOBEST USA Inc.  
 11700 Metro Airport Center Drive, suite 110  
 Romulus, MI 48174  
 United States



#### Net Weight:

3.53 oz. (100g)

8.82 oz. (250g)

17.64 oz. (500g)

Batch number:

Production date:

Label version number: 3.8  
 Label item number: 301791

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

#### CAUTION

Harmful if swallowed, absorbed through skin or if inhaled. Causes moderate eye irritation. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

#### Personal Protective Equipment (PPE)

##### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof or Chemical-resistant gloves
- Protective eyewear
- A NIOSH-approved particulate filtering facepiece respirator with any R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any R or P filter; OR a NIOSH-approved powered air-purifying respirator with an HE filter. (Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.)

Follow the 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.

#### User Safety Recommendations:

##### Users should:

- 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, or to areas where surface water is present or to intertidal areas below the mean high water mark. DO NOT contaminate water when disposing of equipment washwater or rinsate.

## 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 requirements specific to your State or Tribe, consult the State or Tribal agency responsible for 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 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 interval. 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 twelve (12) 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.

For early entry into 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
- Protective eyewear

#### 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 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.

Keep unprotected persons out of treated areas until sprays have dried.

**PRODUCT INFORMATION:** ASPERELLO T34 Biocontrol is a biological fungicide and bactericide that protects plants, improves plant growth, and increases plant defenses against labeled plant diseases and abiotic stresses. The product contains dried spores of the beneficial fungus *Trichoderma asperellum*, strain T34.

ASPERELLO T34 Biocontrol can be used against the following plant pathogens: *Botrytis cinerea* (grey mold), *Burkholderia glumae* (bacterial panicle blight, bacterial grain rot), *Cephalosporium maydis* (late wilt of corn), *Didymella bryoniae* (gummy stem blight),

*Fusarium* spp. (*Fusarium* wilt and rot), *Gibberella fujikuroi* (Bakanae and foot rot in rice), *Leptosphaeria lindquistii* (black stem in sunflowers), *Macrophomina phaseolina* (root rot), *Magnaporthe oryzae* (rice blast fungus), *Mycosphaerella* spp. (black Sigatoka and Septoria leaf blotch), *Phytophthora* spp. (crown rot), *Pythium* spp. (damping off), *Ralstonia solanacearum* (bacterial wilt), *Rhizoctonia* spp. (damping off), *Sclerotinia* spp. (soft rot) and *Sclerotium* spp. (diverse rots).

ASPERELLO T34 Biocontrol can be used in indoors and outdoors on food and non-food crops.

**PRODUCT USE:** ASPERELLO T34 Biocontrol is a plant protectant and preventative biological fungicide and bactericide.

ASPERELLO T34 Biocontrol acts through multiple modes of action when applied preventively. These modes of actions include protecting plants from diseases, due to its capacity to colonize the growing media and the plant roots, creating a physical barrier against pathogens and competing directly for space and/or nutrients. Moreover, ASPERELLO T34 Biocontrol has a direct effect on pathogenic fungus through parasitism and/or antibiosis and induces plant resistance responses. ASPERELLO T34 Biocontrol does not trigger fungicide resistances in pathogens due to its multiple modes of actions.

ASPERELLO T34 Biocontrol also facilitates the absorption of several mineral elements by germinating and growing in a wide range of soils and substrates, and around the roots of labeled crops. It develops in a variety of pHs (4-9) and soil temperatures 59-95°F (15-35°C), but its optimal growth temperature is 68-86°F (20-30°C). ASPERELLO T34 Biocontrol will become active when the soil temperature is at least 50°F (10°C).

ASPERELLO T34 Biocontrol is able to reduce the number of dormant structures (chlamydospores, sclerotia) of several fungal species produced over the growing season and, when applied prior to planting, reduces the inoculum of previous seasons.

ASPERELLO T34 Biocontrol product life is 24 months when stored as directed under the Storage and Disposal section of this label (40°F, 4°C).

#### SOIL-BORNE AND FOLIAR DISEASE CONTROL

ASPERELLO T34 Biocontrol can protect against labeled soil-borne and foliar diseases if applied early in the growing season or growing cycle prior to infection by disease. Foliar diseases can also be controlled when the first symptoms appear. Specific application methods covered in this label for soil-borne and foliar diseases include substrate mix, seed treatment, cutting and bare root, broadcast, floor (basin), in-furrow, greenhouse and nursery drench, and applications made via chemigation systems applied over the row or directed towards the plant's crown and rooting area, either before planting, at planting, shortly after planting or during the crop cycle. Apply ASPERELLO T34 Biocontrol through foliar spray just before or when symptoms appear, or when environmental conditions are favorable to the disease. The use of different types of application depends on the cultural practices in the region or the specific target disease.

#### COMPATIBILITY

DO NOT TANK MIX ASPERELLO T34 Biocontrol with other pesticides. Some pesticides, particularly fungicides, may reduce effectiveness of ASPERELLO T34 Biocontrol. The effect of other products applied before or after ASPERELLO T34 Biocontrol has been applied, has not been fully investigated. Do not apply chemical fungicides 3 days prior to and after the application of ASPERELLO T34 Biocontrol. Water disinfectants may affect the efficacy of ASPERELLO T34 Biocontrol. For more compatibility information: consult your crop advisor.

Use ASPERELLO T34 Biocontrol 7-10 days after soil or substrate sterilization, fumigation, solarization or biofumigation, when the sterilizing agent or fumigant has dissipated.

#### USE RESTRICTIONS

- DO NOT apply to mushrooms.

#### INSTRUCTIONS FOR APPLICATION METHODS COVERED UNDER THIS LABEL

**Overall Specifications:** Start the application of ASPERELLO T34 Biocontrol at plant propagation (seedlings, cuttings and bare-rooted) to obtain optimal effect. Continue to apply ASPERELLO T34 Biocontrol throughout the crop cycle in order to maintain an appropriate level of antagonistic fungus population, especially before periods of maximum susceptibility, after plant stress during which plants might be weakened, and according to disease pressure.

**Equipment Clean Out:** Thoroughly clean application equipment before use so that no traces of other products (pesticides, fertilizers, disinfectants) remain. Wash application equipment thoroughly after use.

**Dilution Information:** Dissolve the needed amount of ASPERELLO T34 Biocontrol in a small amount of water and stir to obtain good product dispersion. Add this suspension to the tank, with the total volume of water necessary to treat the soil/substrate or the plants, stirring continuously to ensure a homogeneous application of the product.

**For soil / substrate applications** (broadcast, floor (basin), in-furrow, border chemigation, chemigation and greenhouse/nursery drench):

When ASPERELLO T34 Biocontrol is applied via irrigation, make sure that the product reaches the roots. Minimize leaching to help get a good installation around the roots but ensure that no residual product remains in the irrigation system.

**For foliar applications:** Follow specific instructions below.

**For seed, root, tuber, bulb and corm applications:** Follow specific instructions below.

**For cuttings and bare root:** Follow specific instructions below.

**For substrate mix/spray:** Follow specific instructions below.

## SEED TREATMENT

### RESTRICTIONS:

- DO NOT use treated seed for food or feed purposes or process for oil. Treat only those seeds needed for immediate use, minimizing the interval between treatment and planting.
- DO NOT store excess treated seeds beyond planting time.

#### For Field Crops in the table **LABELED CROPS AND USE RATES:**

- Application Rates: 0.1 – 0.8 oz./cwt seed (or 0.05 – 0.5g/kg seeds).
- Prepare a suspension using 1.5 – 6.5 oz. (42.52g – 184 g) of ASPERELLO T34 Biocontrol/gallon of water and shake to obtain good product dispersion.
- Use 8 - 16 fl. oz. (1-2 cups) of suspension to cover uniformly or dip into the suspension 1 cwt (112 lbs.) of seeds (1.25 – 2.5 gallons of solution or 4.74 – 9.46L for 1 Tn of seeds). Wait until the seeds are dried and follow standard practices for sowing.
- The smaller rate ratio is for seeds with higher volume.
- In case of high disease pressure, use 0.8 oz./cwt seed.

#### For Vegetable Crops (except root & tuber and bulb vegetables), Herbs and Spices, and Turf grass listed in the table **LABELED CROPS AND USE RATES:**

- Application Rate: 0.4 – 3.2 oz./cwt seed (or 0.25 – 2 g/kg seed).
- Prepare a suspension with 6.5 oz. (184g) of ASPERELLO T34 Biocontrol/gallon of water and shake to obtain good product dispersion.
- Use 8 – 64 fl. oz. of suspension to treat 1 cwt seeds (112 lbs.). This is the equivalent to 1.25 – 10 gallons or 4.73 – 37.85 L for 1 Tn of seeds. After the seeds are dry follow standard practices for seeding.
- The smaller rate ratio is for seeds with higher volume.
- In case of high disease pressure, use 3.2 oz./cwt seed.

#### For rice:

- Prepare a suspension with 0.13 oz. (or 3.68 g) of ASPERELLO T34 Biocontrol/gallon of water (1g/L water) and shake to obtain good product dispersion.
- Use water suspension enough to cover the seeds.
- Dip the rice seeds into the solution during 24 hr., and seed them in the nursery trays following the standard practices for seeding.

### PRE-PLANT DIP TREATMENTS FOR VEGETATIVELY PROPAGATED CROPS

	Dip into powder	Dip into suspension	
		Short dip	Long dip (4 - 8h)
Cutting, bare root, crown dip applications*	X	X	X
Root, tuber, bulb, corm dip applications*		X	X

\*See table of **LABELED CROPS AND USE RATES**

#### For Cutting, Bare root, Crown Dip applications:

- Dip cuttings bare root transplants and crowns directly into the powder or in a suspension composed of:
  - 0.16 – 1.6 oz. (4.5 – 45 g) of ASPERELLO T34 Biocontrol/12 gallons of water for short dips (or 0.1 – 1 g/L water)
  - 0.016 oz. (0.45 g) of ASPERELLO T34 Biocontrol /12 gallons of water for long dips (between 4 and 8 hours) (or 0.01 g/L water)
- After dipping the cuttings, bare root transplants or crowns, follow standard practices for planting.
- In case of high disease pressure, use the higher application rates or apply directly into the powder.

#### For Root, Tuber, Bulb, Corm Dip applications:

- Dip roots, tubers, bulbs or corms in a suspension composed of
  - 0.16 – 1.6 oz. (4.5 – 45 g) of ASPERELLO T34 Biocontrol/12 gallons of water for short dips (or 0.1 – 1 g/L water)
  - 0.016 oz. (0.45 g) of ASPERELLO T34 Biocontrol/12 gallons of water for long dips (between 4 and 8 hours) (or 0.01 g/L water)
- After dipping the roots, tubers, bulbs or corms, follow standard practices for planting.
- In case of high disease pressure, use the higher application rates.

### GREENHOUSE AND NURSERY DRENCH APPLICATIONS

#### Drench at Propagation

##### For Nursery trays (or blocks) < 4”(10 cm) in height:

- At sowing, sticking, rooting or transferring seedlings, suspend 1.6-3.2 oz. / 1,000 sq. ft. in 125-245 gals. of water and apply it onto 1,000 sq. ft. of tray (or 0.5 - 1 g suspended in 5-10 L water / m<sup>2</sup> of area with trays).
- Use the higher rates when:
  - disease pressure is high or
  - nursery trays (or blocks) > 4” in height.

#### Drench After Planting, At Transplanting or Direct Sticking

##### For Pots/Containers and slabs:

- Suspend 0.17 – 0.35 oz. (or 5-10 g) in 25 gallons of water (95 L water) to prepare the drench solution.
- The volume of drench solution to apply is the equivalent to 10% of the total pot/ container volume.
- Use the higher concentration in case of high disease pressure.
- Repeat every 8-12 weeks.

## SUBSTRATE MIX

- For substrate treatments, apply ASPERELLO T34 Biocontrol at a rate of 0.17 – 0.35 oz. dissolved in 2-10 gallons of water per cubic yard of soil/substrate (or 6.5 – 13 g applied in 10-60L/m<sup>3</sup>) or dry mix in 1 cubic yard of substrate - before filling nursery trays, pots and containers.
- In case of high disease pressure, use the higher application rates.

### BROADCAST APPLICATIONS

- For broadcast applications, apply ASPERELLO T34 Biocontrol as a spray at a rate of 1.3 – 33 oz./acre (or 0.1 – 2.5 kg/Ha), previous to seed/transplant or at the moment of seeding/transplant.
- The standard rate recommended is 7 oz./acre (or 490 g/Ha).
- Dilute 7 – 33 oz. ASPERELLO T34 Biocontrol/100 gals. (or 0.5 – 2.5 kg/1000 L) and use the necessary water (20 – 100 gals. water/acre, or 200 – 1,000 L water/Ha) to keep the upper 1<sup>st</sup> inch (2.5 cm) of soil wet or to reach into the seedling or rooting zone.
- Use the highest application rates when the weather conditions are expected to be conducive for disease development, if the field has a history of disease development, or in case of high disease pressure.

### FLOOR (BASIN), IN-FURROW AND BORDER APPLICATIONS

- For floor (basin), in-furrow and border applications, apply ASPERELLO T34 Biocontrol at a rate of 1 – 4.5 lbs./acre (1.1 – 5 kg/Ha) diluted in the necessary water to keep wet the upper 4 inches (10 cm) of soil to reach the seedling or rooting zone. Use this treatment previous to seed/transplant or at the moment of seed/transplant.
- Use the higher rates for crops with higher planting density (more rows/acre), where the distance between rows is smaller. Row spacing normally goes from 20 to 40 inches.
- The standard rate recommended is 35 oz./acre (2.5 kg/Ha).
- Mount the spray nozzle so the spray is directed into the in-furrow just before the seeds are covered.
- Use higher application rates when the weather conditions are expected to be conducive for disease development, if the field has a history of disease development, or in case of high disease pressure.

### FOLIAR APPLICATIONS

- Application Rates: 1.5 – 10.7 oz./acre (0.1 – 0.75 Kg/Ha).
- Prepare a dilution of the product with 3.33 – 10 oz. of ASPERELLO T34 Biocontrol/100 gallons of water (0.25 – 0.75 Kg/1,000 L water) and stir to obtain good product dispersion.
- Use the necessary volume of water to spray (to wet but avoid runoff) the crop foliage or blossoms: 50 – 107 gals./acre (470 – 1,000 L/Ha).
- In case of high disease pressure, use the higher application rates.
- Make follow-up treatments every 7-10 days, when the weather conditions are expected to be favorable to disease development or in case of high disease pressure.
- Foliar applications can be performed with hand-held backpack or spray equipment.

### CHEMIGATION

#### For Field Crops listed in the table **LABELED CROPS AND USE RATES:**

- Prepare a dilution of the product with 0.1 – 0.33 oz. (3 – 10 g) of ASPERELLO T34 Biocontrol/100 gallons of water and stir to obtain good product dispersion.
- Use the necessary volume of water to irrigate the crop surface: 2,000 – 5,000 gal./acre (20,000 – 50,000 L/Ha).
- The standard application rate is 0.13 oz./100 gallons, which is equivalent to 2.6 – 6.5 oz./acre using the minimum and maximum recommended volumes of final solution per acre.
- Maximum application rate is 16.7 oz./acre (or 1.250 kg/Ha).
- In case of high disease pressure, use the higher application rates.
- Make follow-up treatments every 8-12 weeks (for a long season crop), when the weather conditions are expected to be conducive for disease development or when plants are exposed to stress situation.

#### For all the other crops:

- Prepare a dilution of the product with 0.1 – 0.70 oz. (3 – 20 g) of ASPERELLO T34 Biocontrol/100 gallons of water and stir to obtain good product dispersion.
- Use the necessary volume of water to irrigate the crop surface: 2,000 – 5,000 gal./acre (20,000 – 50,000 L/Ha).
- The standard application rate is 0.33 oz./100 gallons, which is equivalent to 6.6 – 13.4 oz./acre using the 2,000 to 4,000 gallons of final solution per acre.
- In case of high disease pressure, use the higher application rates.
- Make follow-up treatments every 8-12 weeks, when the weather conditions are expected to be conducive for disease development or when plants are exposed to stress situation.

### Overall Chemigation Specifications

- Apply this product only through sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move; flood (basin); in-furrow; boom system, pressurized drench (flood), border or drip (trickle) system; micro-irrigation such as spaghetti-tube or individual tube irrigation, hand-held calibrated irrigation equipment such as the handheld wand with injector, and ebb and flow; irrigation and system(s). DO NOT apply this product through any other type of irrigation system.

### CHEMIGATION (continued)

- 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 Service specialists, equipment manufacturers or other experts.
- 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.
- 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.
- Continuous agitation is recommended in the pesticide supply tank.
- When ASPERELLO T34 Biocontrol is applied via chemigation, make sure that the product reaches the roots. Minimize leaching to help get a good installation around the roots but ensure that no residual product remains in the chemigation system.
- Refer to “Dilution Information” and specific application method instructions for mixing and dilution instructions.

### Requirements For Chemigation Systems Connected To Public Water Systems

- Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- Chemigation systems connected to public water systems must contain a functional, reduced pressure zone (RPZ), back flow preventor 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.
- The pesticide injection 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 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 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.
- 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.
- DO NOT apply when wind speed favor drift beyond the area intended for treatment.
- Remove scale, pesticide residues, and other foreign matter from the chemical supply tank and injector system and flush with clean water before use. Failure to provide a clean tank, free of scale or residues may reduce effectiveness of this product.
- Continuous agitation is recommended in the pesticide supply tank.
- When ASPERELLO T34 Biocontrol is applied via chemigation, make sure that the product reaches the roots. Minimize leaching to help get a good installation around the roots but ensure that no residual product remains in the chemigation system.
- Refer to “Dilution Information” and specific application method instructions for mixing and dilution instructions.

### Requirements For Sprinkler Chemigation

- 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.
- The pesticide injection 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 interlocking 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 that 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.
- DO NOT apply when wind speed favors drift beyond the area intended for treatment.

### Requirements For Sprinkler Chemigation (continued)

- Continuous agitation is recommended in the pesticide supply tank.
- When ASPERELLO T34 Biocontrol is applied via chemigation, make sure that the product reaches the roots. Minimize leaching to help get a good installation around the roots but ensure that no residual product remains in the chemigation system.
- Refer to “Dilution Information” and specific application method instructions for mixing and dilution instructions.

### Floor (Basin), In-Furrow And Border Chemigation

- 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 back flow 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 on the irrigation pipeline to prevent water source contamination from back flow.
  - The pesticide injection 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 interlocking 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.
- Continuous agitation is recommended in the pesticide supply tank.
- When ASPERELLO T34 Biocontrol is applied via chemigation, make sure that the product reaches the roots. Minimize leaching to help get a good installation around the roots but ensure that no residual product remains in the chemigation system.
- Refer to “Dilution Information” and specific application method instructions for mixing and dilution instructions.

### Drip (Trickle) Chemigation

- 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.
- The pesticide injection 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 inter-locking 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.
- Continuous agitation is recommended in the pesticide supply tank.
- When ASPERELLO T34 Biocontrol is applied via chemigation, make sure that the product reaches the roots. Minimize leaching to help get a good installation around the roots but ensure that no residual product remains in the chemigation system.
- Refer to “Dilution Information” and specific application method instructions for mixing and dilution instructions.

### APPLICATION DIRECTIONS

- **On Ornamentals, Landscape Plants, Trees, Shrubs, Flowers, Bedding Plants, Tropical Plants, Fruits and Vegetables: Agricultural, Commercial, Interiorscapes, Indoors and Outdoors**
- **Turf, Lawns, Sod, Golf Courses (Greens, Tees, Fairways, and Roughs), and Ornamental Turf Use: Agricultural, Commercial**
- **Ornamentals and Edible Crops: Greenhouse, Field Applications**

continued

**LABELED CROPS AND USE RATES**

SEE APPLICATION METHODS DETAILS DESCRIBED IN THE TEXT PRECEDING THIS TABLE

CROPS	METHOD OF APPLICATION	USE RATE AND APPLICATION INSTRUCTIONS
<b>Field crops:</b> <b>Alfalfa</b> (for use in forage and seed crops, including birdsfoot trefoil) <b>Cereal Grains</b> (including barley, oats, rye, triticale, wheat, and durum wheat) <b>Clover</b> (for use in forage and seed crops) <b>Corn</b> (all types, including field corn, popcorn, sweet corn, and corn produced for seed) <b>Cotton</b> <b>Grass, Forage, Fodder, and Hay</b> (including pasture grasses and grasses grown for hay or silage such as Bermuda grass, blue-grass, brome grass, and fescue) <b>Peanut</b> <b>Sunflower</b> <b>Tobacco</b>	Seed treatment	1.5 – 6.5 oz./gal. of water. Apply 8 – 16 fl. oz. of that suspension per 1 cwt seed (1 cwt = 112 lbs. of seeds).
	Broadcast	1.3 – 33 oz./acre before or at seeding/planting. 7 – 33 oz./100 gals. and use a volume of water of 20 – 100 gals./acre.
	Floor (basin), in-furrow and border chemigation	1 – 4.5 lbs./acre Use higher rates for crops with higher planting density (more rows/acre). Row spacing normally goes from 20 – 40 inches.
	Foliar spray	1.5 – 10.7 oz./acre in a volume of water 50 – 107 gallons/acre. Spray with enough water to thoroughly cover crop but avoid runoff. Repeat every 7-10 days if needed.
	Chemigation field crops	0.1 – 0.33 oz./100 gals. Volume of application 2,000 – 5,000 gals./acre. Repeat every 8-12 weeks.
<b>Rice (for nursery)</b>	Seed treatment	Dilute 0.13 oz./gal. water and use sufficient suspension to cover the seeds. Leave seeds in the suspension for 24 hours before seeding in nursery trays.
<b>Berries:</b> Blackberry, Blueberry, Boysenberry, Currant, Elderberry, Gooseberry, Huckleberry, Loganberry, Marionberry, Raspberry, and all cultivars and hybrids <b>Berry and Small Fruit*:</b> Cranberry, Juneberry, Lingonberry, Salal, Strawberry, and all cultivars and hybrids  *Cranberry: DO NOT apply to flooded fields.	Cuttings and Bare Root dip	Short dip directly into the powder, or into a suspension with 0.16 – 1.6 oz. in 12 gal. of water.
	Greenhouse and Nursery Drench	For nursery trays and blocks: 1.6 – 3.2 oz. in 125 - 245 gals./1,000 sq. ft. For pots/containers and slabs: <ul style="list-style-type: none"> <li>Prepare a drench solution with 0.17 – 0.35 oz. dissolved in 25 gallons of water and apply the equivalent to 10% of pot/container volume.</li> <li>Repeat every 8-12 weeks.</li> </ul>
	Substrate Mix	Mix 0.17 – 0.35 oz. in 2-10 gals. of water and apply to 1 cubic yard of substrate, or dry mix directly in 1 cubic yard of substrate.
	Broadcast	1.3 – 33 oz./acre before or at seeding/planting. 7 – 33 oz./100 gals. and use a volume of water of 20 – 100 gals./acre.
	Floor (basin), in-furrow and border chemigation	1 lb. – 4.5 lbs./acre. Use higher rates for crops with higher planting density (more rows/acre). Row spacing normally goes from 20 – 40 inches.
	Foliar spray	1.5 – 10.7 oz./acre in a volume of water 50 – 107 gallons/acre. Spray with enough water to thoroughly cover crop but avoid runoff. Repeat every 7-10 days if needed.
	Chemigation	0.1 – 0.7 oz./100 gals. Volume of application 2,000 – 5,000 gals./acre. Repeat every 8-12 weeks.
<b>Leafy Vegetables (Except Brassica Vegetables):</b> Lettuce (head, leaf, romaine), Spinach, Amaranth (Chinese spinach) <b>Brassica (Cole) Leafy Vegetables:</b> Broccoli (including Chinese), Brussels sprout, Cabbage, Cauliflower, Chinese cabbage (bok choy), Choi sum, Collard, Kohlrabi, Chinese Mustard Cabbage <b>Stalk, Stem and Leaf Petiole Vegetable:</b> Asparagus, Celery, Kale <b>Cucurbits Vegetables:</b> Balsam pear, Cantaloupes, (continued)	Seed treatment	6.5 oz./gals. of water. Use 8 – 64 fl. oz. of final suspension to treat 1 cwt seed. Spray uniformly to seeds, or dip them into the suspension.
	Greenhouse and Nursery Drench	Pots or containers (< 4"): Apply 0.2 – 0.35 oz./1,000 pots or containers dissolved in 10 – 25 gallons of water. Repeat every 8-12 weeks.  Pots or containers (+ 4"): Apply 0.35 – 1.1 oz./1,000 pots or containers dissolved in 25 gals. of water. Repeat every 8-12 weeks.  For nursery trays: 1.6 – 3.2 oz. in 125 to 245 gals./1,000 sq. ft.
	Substrate Mix	Mix 0.17 – 0.35 oz. in 2-10 gals. of water and apply to 1 cubic yard of substrate, or dry mix directly in 1 cubic yard of substrate.
	Broadcast	1.3 – 33 oz./acre before or at seeding/planting. 7 – 33 oz./100 gals. and use a volume of water of 20 – 100 gals./acre.

continued

## LABELED CROPS AND USE RATES (continued)

CROPS	METHOD OF APPLICATION	USE RATE AND APPLICATION INSTRUCTIONS
<b>Cucurbits Vegetables (continued):</b> Citron Melons, Chinese waxgourd, Cucumbers, Honeydews, Pumpkins, Squash, Watermelons and all hybrids and cultivars of these  <b>Fruiting Vegetable:</b> Eggplant, pepper (bell, chile), Tomatoes  <b>Legume Vegetables:</b> Legumes: Beans, snap, <i>Phaseolus</i> , chickpea, lentil, pea, soybean, Chinese longbean, Mung bean including all hybrids and varieties of these	Floor (basin), in-furrow and border chemigation	1 lb. – 4.5 lbs./acre. Use higher rates for crops with higher planting density (more rows/acre). Row spacing normally goes from 20 – 40 inches.
	Foliar spray	1.5 – 10.7 oz./acre in a volume of water 50 – 107 gallons/acre. Spray with enough water to thoroughly cover crop but avoid runoff. Repeat every 7-10 days if needed.
	Chemigation	0.1 – 0.7 oz./100 gals. Volume of application 2,000 – 5,000 gals./acre. Repeat every 8-12 weeks.
<b>Root and Tuber Vegetables:</b> Artichokes (including Chinese), Beets, Carrots, Potatoes, Radishes, Sweet potatoes, Ginger, Ginseng, Oriental Radish  <b>Bulb Vegetable (<i>Allium</i> spp.):</b> Garlic, Leek, Onion (dry, green)	Root, Tuber or Bulb Dip	Short dips: 0.16 – 1.6 oz./12 gal. of water. Long dips (several hours to one night): 0.016 oz./12 gals. of water.
	Broadcast	1.3 – 33 oz./acre before or at seeding/planting. 7 – 33 oz./100 gals. and use a volume of water of 20 – 100 gals./acre.
	Floor (basin), in-furrow and border chemigation	1 lb. – 4.5 lbs./acre. Use higher rates for crops with higher planting density (more rows/acre). Row spacing normally goes from 20 – 40 inches.
	Chemigation	0.1 – 0.7 oz./100 gals. Volume of application 2,000 – 5,000 gals./acre. Repeat every 8-12 weeks.
<b>Herbs and Spices:</b> Angelica, Basil, Chervil, Catnip, Chamomile, Chive, Cilantro-Leaf, Coriander-Leaf, Curry, Dillweed, Fennel, Hyssop, Lavender, Lemongrass, Marigold, Marjoram, Nasturtium, Parsley, Rosemary, Sage, Savory-Summer, Savory-Winter, Sweet Bay, Tansy, Tarragon, Thyme, Wintergreen, Woodruff, Wormwood  <b>Mint, Peppermint, Spearmint</b>	Seed treatment	6.5 oz./gal. of water. Use 8 – 64 fl. oz. of suspension to treat 1 cwt seed. Spray uniformly to seeds, or dip them into the suspension.
	Cuttings and Bare Root dip	Short dip directly into the powder, or into a suspension with 0.16 – 1.6 oz. in 12 gallons of water.
	Greenhouse and Nursery Drench	For Nursery Trays and Blocks: 1.6 – 3.2 oz. in 125 - 245 gals./1,000 sq. ft.  For Pots/Containers and Slabs: <ul style="list-style-type: none"> <li>Prepare a drench solution with 0.17 – 0.35 oz. dissolved in 25 gallons of water and apply the equivalent to 10% of pot/container volume.</li> <li>Repeat every 8-12 weeks.</li> </ul>
	Substrate Mix	Mix 0.17 – 0.35 oz. in 2-10 gals. of water and apply to 1 cubic yard of substrate, or dry mix directly in 1 cubic yard of substrate.
	Broadcast	1.3 – 33 oz./acre before or at seeding/planting. 7 – 33 oz./100 gals. and use a volume of water of 20 – 100 gals./acre.
	Floor (basin), in-furrow and border chemigation	1 lb. – 4.5 lbs./acre. Use higher rates for crops with higher planting density (more rows/acre). Row spacing normally goes from 20 – 40 inches.
	Chemigation	0.1 – 0.7 oz./100 gals. Volume of application 2,000 – 5,000 gals./acre. Repeat every 8-12 weeks.
	<b>Citrus Fruits:</b> Calamondin, Citrus Citron, Citrus Hybrids (i.e., chironja, tangelo, and tangor), Grapefruit, Kumquat, Lemon, Lime, Mandarin (Tangerine), Orange, Pummelo, Satsuma Mandarin, and all cultivars and hybrids of these  <b>Olive</b>  <b>Pomegranate</b>  <b>Pome Fruit:</b> Apple, Pear, Crabapple, Loquat, Mayhaw, Oriental Pear, Quince  <b>Stone Fruit:</b> Bearing and Non-Bearing Apricot, Sweet and Tart Cherry, Nectarine, Peach, Plum, Plumcot, Prune, and all hybrids and cultivars of these  <b>Tree Nuts:</b> Almonds, Beechnut, Brazil Nut, (continued)	Cuttings and Bare Root dip
Greenhouse and Nursery Drench		For nursery trays and blocks: 1.6 – 3.2 oz. in 125 - 245 gals./1,000 sq. ft.  For pots/containers and slabs: <ul style="list-style-type: none"> <li>Prepare a drench solution with 0.17 – 0.35 oz. dissolved in 25 gallons of water and apply the equivalent to 10% of pot/container volume.</li> <li>Repeat every 8-12 weeks.</li> </ul>
Substrate Mix		Mix 0.17 – 0.35 oz. in 2-10 gals. of water and apply to 1 cubic yard of substrate, or dry mix directly in 1 cubic yard of substrate.
Floor (basin), in-furrow and border chemigation		1 lb. – 4.5 lbs./acre. Use higher rates for crops with higher planting density (more rows/acre). Row spacing normally goes from 20 – 40 inches.
Chemigation		0.1 – 0.7 oz./100 gals. Volume of application 2,000 – 5,000 gals./acre. Repeat every 8-12 weeks.

continued

## LABELED CROPS AND USE RATES (continued)

CROPS	METHOD OF APPLICATION	USE RATE AND APPLICATION INSTRUCTIONS
<b>Tree Nuts (continued):</b> Butternut, Cashew, Chestnut, Chinquapin, Filbert, Hickory, Hazelnuts, Macadamia, Pecans, Pistachios, Walnuts  <b>Tropical and Subtropical            Fruit, Edible Peel:</b> Acerola, Guava, Kiwifruit, Longan, Starfruit, Tamarind  <b>Tropical and Subtropical            Fruit, Inedible Peel:</b> Atemoya, Avocado, Banana, Canistel, Cherimoya, Custard Apple, Ilama, Loquat, Lychee, Mango, Mangosteen, Papaya, Passionfruit, Pawpaw, Persimmon, Pineapple, Rambutan, Black Sapote, Mamey Sapote, Sapodilla, Soursop, Star Apple, Sugar Apple  <b>Small Fruit Vine Climbing:</b> Table, Wine, Raisin Grapes, Kiwi  <b>Hops</b>  <b>Hemp</b>  <b>Muscadines</b>	Foliar spray	1.5 – 10.7 oz./acre in a volume of water 50 – 107 gallons/acre. Spray with enough water to thoroughly cover crop but avoid runoff. Repeat every 7-10 days if needed.
	Chemigation	0.1 – 0.7 oz./100 gals. Volume of application 2,000 – 5,000 gals./acre. Repeat every 8-12 weeks.
<b>Ornamental Roots, Tubers,            Bulbs and Corms:</b> Allium, Anemone, Cannas, Crinum, Crocus, Dahlias, Euromis, Gladiolus, Gloriosa, Hyacinth, Iris, Lilium, Narcissus, Ranunculus, Tulips	Root, Tubers, Bulb, or Corm Dip	Short dips: 0.16 – 1.6 oz./12 gals. of water (recommended rate: 0.7 oz./12 gals. of water). Long dips (several hours to one night): 0.016 oz./12 gals. of water.
	Greenhouse and Nursery Drench	For nursery trays and blocks: 1.6 – 3.2 oz. in 125 - 245 gals./1,000 sq. ft.  For pots/containers and slabs: <ul style="list-style-type: none"> <li>Prepare a drench solution with 0.17 – 0.35 oz. dissolved in 25 gallons of water and apply the equivalent to 10% of pot/container volume.</li> <li>Repeat every 8-12 weeks.</li> </ul>
	Broadcast	1.3 – 33 oz./acre before or at seeding/planting. 7 – 33 oz./100 gals. and use a volume of water of 20 – 100 gals./acre.
	Floor (basin), in-furrow and border chemigation	1 lb. – 4.5 lbs./acre. Use higher rates for crops with higher planting density (more rows/acre). Row spacing normally goes from 20 – 40 inches.
	Chemigation	0.1 – 0.7 oz./100 gals. Volume of application 2,000 – 5,000 gals./acre. Repeat every 8-12 weeks.
<b>Flowers, Bedding Plants, and            Ornamentals:</b> Carnation, Chrysanthemums, Cyclamen, Geranium, Gerbera, Hollyhock, Lily, Rose, Pansy, Petunia, Poinsettia, Primrose, Snapdragon  <b>Ornamental Trees            Non-Flowering Deciduous            and Non-Deciduous            Landscape, Ornamental,            Forest, and Nursery Trees:</b> Ash, Elm, Linden, Maple, and Sycamore  <b>Evergreen/Conifers and            Christmas Trees:</b> Cedar, Fir, Pine, Spruce, Yew, Arborvitae  <b>Flowering and Non-Bearing            Fruit Trees:</b> Crabapple, Hawthorn, Cherry, Plum, Pear  <b>Tropical Foliage and            Flowering Plants:</b> Fern, English Ivy, Pothos, Poinsettia  <b>Nursery, Shrubs, and            Woody Ornamentals:</b> Azalea, Holly, Pittosporum, Rose	Cuttings and Bare Root dip	Short dip directly into the powder, or into a suspension with 0.16 – 1.6 oz. in 12 gallons of water (recommended rate: 0.7 oz./12 gallons).
	Greenhouse and Nursery Drench	For nursery trays and blocks: 1.6 – 3.2 oz. in 125 - 245 gals./1,000 sq. ft.  For pots/containers and slabs: <ul style="list-style-type: none"> <li>Prepare a drench solution with 0.17 – 0.35 oz. dissolved in 25 gallons of water and apply the equivalent to 10% of pot/container volume.</li> <li>Repeat every 8-12 weeks.</li> </ul>
	Substrate Mix	Mix 0.17 – 0.35 oz. in 2-10 gals. of water and apply to 1 cubic yard of substrate, or dry mix directly in 1 cubic yard of substrate.
	Broadcast	1.3 – 33 oz./acre before or at seeding/planting. 7 – 33 oz./100 gals. and use a volume of water of 20 – 100 gals./acre.
	Floor (basin), in-furrow and border chemigation	1 lb. – 4.5 lbs./acre. Use higher rates for crops with higher planting density (more rows/acre). Row spacing normally goes from 20 – 40 inches.
	Foliar spray	1.5 – 10.7 oz./acre in a volume of water 50 – 107 gallons/acre. Spray with enough water to thoroughly cover crop but avoid runoff. Repeat every 7-10 days if needed.
	Chemigation	0.1 – 0.7 oz./100 gals. Volume of application 2,000 – 5,000 gals./acre. Repeat every 8-12 weeks.

continued

## LABELED CROPS AND USE RATES (continued)

CROPS	METHOD OF APPLICATION	USE RATE AND APPLICATION INSTRUCTIONS
<b>Turf Grass:</b> Turf, golf courses-all uses, sports fields, sod and seed production	Seed treatment	6.5 oz./gal. of water. Use 8 – 64 fl. oz. of suspension to treat 1 cwt seed. Spray uniformly to seeds, or dip them into the suspension.
	Broadcast	1.3 – 33 oz./acre before or at seeding/planting. 7 – 33 oz./100 gals. and use a volume of water of 20 – 100 gals./acre.
	Floor (basin), in-furrow and border chemigation	1 lb. – 4.5 lbs./acre. Use higher rates for crops with higher planting density (more rows/acre). Row spacing normally goes from 40 – 20 inches.
	Chemigation	0.1 – 0.7 oz./100 gals. Volume of application 2,000 – 5,000 gals./acre. Repeat every 8-12 weeks.

## LIMITATIONS CONCERNING EFFICACY AND PLANT SAFETY

The efficacy and crop safety of ASPERELLO T34 Biocontrol has been tested on numerous plant species. However, since ASPERELLO T34 Biocontrol has not been tested on all plant species, varieties and substrate types, the manufacturer recommends testing ASPERELLO T34 Biocontrol on a small number of plants to check expected efficacy and absence of adverse plant effects before applying to a larger number of plants.

## STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in original container in a cool dry place. **When kept at 40°F (4°C), the viability of the product provides effective rates for up to 24 months.**

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

**Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling, if available or dispose of empty bag in sanitary landfill or by incineration.

**NOTICE TO BUYER AND SELLER:** The directions for use of this product are believed to be adequate and must be followed carefully, it is impossible to eliminate all risks inherently associated with the use of this product. To the extent consistent with applicable law, the products sold to you are furnished "as is" by Biocontrol Technologies, S.L. and Biobest USA Inc. To the extent consistent with applicable law, the manufacturer and the seller are subject only to the manufacturer's warranties, if any, which appear on the label of the product sold to you. To the extent consistent with applicable law, except as warranted by this label, Biocontrol Technologies, S.L., the manufacturer or Biobest USA Inc., the seller, makes no warranties, guarantees, or representations of any kind to the buyer or the user, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold or use of the product, including, but not limited to, merchantability, fitness for a particular purpose or use, or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, Buyer's or user's exclusive remedy, and Biocontrol Technologies, S.L., the manufacturer's or Biobest USA Inc., seller's total liability shall be limited to damages not exceeding the cost of the product. To the extent consistent with applicable law, no agent or employee of Biocontrol Technologies, S.L., the manufacturer, or Biobest USA Inc., the seller, is authorized to amend the terms of this warranty disclaimer or the product's label or to make a presentation or recommendation different from or inconsistent with the label of this product.

**To the extent consistent with applicable law, Biocontrol Technologies, S.L., the manufacturer or Biobest USA Inc., the seller, shall not be liable for consequential, special, or indirect damages resulting from the use, handling, application, storage, or disposal of this product or for damages in the nature of penalties, and the buyer and the user waive any right that they may have to such damages.**

Spanish Patent ES 2 188 385 B1

European Patent EP 1 400 586 B1

USA Patent US 7 553 657 B2

# ASPERELLO



For organic use

FOR ORGANIC PRODUCTION

## Biological Fungicide and Bactericide Wettable Powder

For the protection of crops against diseases caused by: *Botrytis cinerea*, *Burkholderia glumae*, *Cephalosporium maydis*, *Didymella bryoniae*, *Fusarium spp.*, *Gibberella fujikuroi*, *Leptosphaeria lindquistii*, *Macrophomina phaseolina*, *Magnaporthe oryzae*, *Mycosphaerella spp.*, *Phytophthora spp.*, *Pythium spp.*, *Ralstonia solanacearum*, *Rhizoctonia spp.*, *Sclerotinia spp.* and *Sclerotium spp.*

For indoor and outdoor crops

For use on ornamentals, food, and non-food crops

### READ THE LABEL BEFORE USING

#### ACTIVE INGREDIENT:

*Trichoderma asperellum*, strain T34\* ..... 12.00 %

OTHER INGREDIENTS: ..... 88.00 %

TOTAL: ..... 100.00 %

\*Contains  $3 \times 10^{11}$  colony forming units per Kg of product.

EPA Reg. No: 87301-1-91594

EPA Est. No: 91667-CHK-001

91521-FRA-001

94743-BEL-001



## KEEP OUT OF REACH OF CHILDREN CAUTION

See inside booklet for additional Precautionary Statements and complete Directions for Use.

### FIRST AID

<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

**HOTLINE NUMBER:** Have the product container or label with you when calling a poison control center or doctor or going for treatment. For medical emergencies, call the Poison Control Center **1-800-222-1222**. For general information on this product, contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at <http://npic.orst.edu>.

### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in original container in a cool dry place. **When kept at 40°F (4°C), the viability of the product provides effective rates for up to 24 months.**

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

**Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Offer for recycling, if available or dispose of empty bag in sanitary landfill or by incineration.

#### Manufactured for:

Biocontrol Technologies S.L.  
Avgda. Madrid, 215-217, entresòl A  
08014 Barcelona, Spain

#### Distributed by:

BIOBEST USA Inc.  
11700 Metro Airport Center Drive, suite 110  
Romulus, MI 48174



#### Net Weight:

3.53 oz. (100g)

8.82 oz. (250g)

17.64 oz. (500g)

Batch number:

Production date: