



# MINUJET™

Net Contents:

1 Gal. (3.785 L)



Can be Used for Organic Production

**ACTIVE INGREDIENT:**

*Bacillus subtilis* strain QST 713\* ..... 9.89%

**OTHER INGREDIENTS:**..... 90.11%

**TOTAL:** ..... 100.00%

\*Contains a minimum of  $2.7 \times 10^{10}$  colony forming units (cfu)/g of product

EPA Reg. No. 264-1202

EPA Est. No. 264-MEX-001

BACILLUS SUBTILIS | GROUP BM02 | FUNGICIDE

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

Please refer to booklet for first aid, additional  
precautionary statements and directions for use.

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY**  
Call 24 Hours A Day 1-800-334-7577

For **PRODUCT USE** Information Call 1-866-99BAYER  
(1-866-992-2937)

Produced For: Bayer CropScience LP  
800 N. Lindbergh Blvd.  
St. Louis, MO 63167

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Product of Mexico



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## FIRST AID

### 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 center or doctor for further treatment advice.

In case of emergency call toll free the Bayer CropScience Emergency Response  
Telephone No. 1-800-334-7577.

Have the product container or label with you when calling the poison control center  
or doctor, or going for treatment.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

- Harmful if inhaled. Avoid breathing spray mist.
- Remove and wash contaminated clothing before reuse

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

The PPE requirements below apply to both Worker Protection Standard (WPS) uses (in general, agricultural-plant uses are covered by the Worker Protection Standard (40 CFR Part 170)) and Non-WPS uses.

#### Mixer/Loader and Applicators must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof or Chemical-resistant Gloves
- NIOSH-approved particulate respirator with a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; OR a NIOSH-approved power air-purifying respirator with an HE filter.

Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

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

## **ENGINEERING CONTROLS**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.607(d), (e), and (f), the handler PPE requirements may be reduced or modified as specified in the WPS.

**IMPORTANT:** When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for “mixer/loader and applicators” and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.

## **USER SAFETY RECOMMENDATIONS**

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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 Use:**

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. Do not apply when weather conditions favor drift or run-off from treated areas.

## **CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product at once for a refund of the purchase price.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties, and Limitations of Liability. These terms may only be modified by a written document signed by a duly authorized representative of Bayer CropScience LP.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience LP. All such risks shall be assumed by the user or buyer. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience LP is authorized to make

any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPS SCIENCE LP DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPS SCIENCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.

## DIRECTIONS FOR USE

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.**

**Read the entire label before using this product.**

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. [For use only as described on the labeling. Not for isolation or reformulation. Do not culture.]

## 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, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, 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 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.

**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, wear:**

- Coveralls
- Shoes plus socks
- Waterproof or Chemical-resistant Gloves

## NON-AGRICULTURAL USE REQUIREMENTS

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

[For commercial treatment of plants that are in ornamental gardens, parks, golf courses, and public or residential turf and grounds, and that are intended only for aesthetic purposes or climatic modification, Keep unprotected persons out of treated areas until sprays have dried.]

## PRODUCT INFORMATION

### MINUET™:

- contains bacteria that, when applied to the soil, will germinate to colonize the developing root system and provide suppression of disease-causing organisms such as *Fusarium*, *Pythium* and *Rhizoctonia* that can attack plant roots. For disease prevention, use MINUET in a tank-mix or rotational program with other registered fungicides and bactericides.
- provides benefits which can result in healthier plants. As the plant's root system develops, the bacteria in MINUET formulated and provided at optimized levels, grows with the roots, and aids in the establishment of a vigorous root system. Improved plant health may help the host plant tolerate environmental stresses and increase nutrient utilization, plant stand and yield.

## APPLICATION INSTRUCTIONS

### Ground

This product can be applied by commonly used ground equipment, such as hose-end, pressurized, greenhouse and hand-held sprayers. Consult spray nozzle and accessory documentation for specific information on proper equipment calibration. Maintain agitation during mixing and application to ensure uniform product suspension. Use the application rate indicated in the Specific Crop Directions tables of this label, in sufficient water to achieve thorough coverage. Overall, to achieve good coverage, use proper spray pressure, gallonage per acre, nozzles, nozzle spacing and ground speed.

### Chemigation

This product can be applied through sprinkler (center pivot, lateral move, end tow, side (wheel) roll, traveler, solid set or hand move) or drip-type irrigation systems. Refer to the Chemigation section of this label for additional directions and precautions. Maintain agitation during mixing and application to ensure uniform product suspension. Use the application rate, indicated for the appropriate crop in the Application Rate tables for this label, in sufficient water to achieve thorough coverage.

## **USE RESTRICTIONS**

- Do not apply when wind speed favors drift beyond the area intended for treatment.
- Remove scale, pesticide residues, and other foreign matter from the chemical supply tank and entire injector system. Flush with clean water. Failure to provide a clean tank, void of scale or residues, may cause MINUET to lose effectiveness or strength.
- Do not combine MINUET with pesticides, surfactants, or fertilizers for application through chemigation equipment unless prior experience has shown the combination physically compatible, effective, and non-injurious under conditions of use. MINUET has not been fully evaluated for compatibility with all of these.
- Conduct a spray compatibility test if mixture with other pesticides, surfactants, or fertilizers is planned.

## **FUNGICIDE RESISTANCE MANAGEMENT RECOMMENDATIONS**

MINUET contains an active ingredient with a mode of action classified as a Group 44 Fungicide, i.e., a Microbial fungicide.

- Integrate MINUET into an overall disease and pest management strategy. Follow practices known to reduce disease development.
- Consult local agricultural authorities for specific IPM strategies developed for your crop(s) and location.
- Be sure use of this product conforms to resistance management strategies, which may include rotating and/or tank mixing with other products with different modes of action.

## **CHEMIGATION**

### **Types of irrigation systems**

Apply this product only through the following types of equipment:

- Sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, traveler, solid set or hand move)
- Drip-type and micro-jet irrigation systems.

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

Maintain agitation during mixing and application to ensure uniform product suspension. Use the application rate indicated in the Specific Crop Directions tables of this label, in sufficient water to achieve thorough coverage.

### **Uniform Water Distribution and System Calibration**

The chemigation system must provide uniform distribution of treated water. Crop injury or lack of effectiveness can result from non-uniform distribution of treated water. The chemigation system must be calibrated to uniformly apply the rates specified in crop-specific label sections. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts.

## **Chemigation Monitoring**

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.

## **Required System Safety Devices**

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

## **Using Water From Public Water Systems**

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.

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 preventer 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 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.

### **Injection for Chemigation**

Inject the specified dosage of MINUET into the irrigation main water stream: (1) through a constant flow, metering device; (2) into the center of the main line flow via a pivot tube or equivalent; (3) at a point ahead of at least one, right-angle turn in the main stream flow such that thorough mixing with the irrigation water is ensured.

### **Center Pivot, Lateral Move, End Tow, and Traveler Irrigation Equipment (Use only with electric or oil hydraulic drive systems that provide a uniform water distribution)**

- Determine size of area to be treated.
- Determine the time required to apply no more than 1/4 inch of water (6,750 gallons water per acre) over the area to be treated when the system and injection equipment are operated at normal pressures specified by the equipment manufacturer. Run system at 80 to 95% of manufacturer's rated capacity.
- Using only water, determine the injection pump output when operated at normal line pressure.
- Determine the amount of MINUET fungicide required to treat area.
- Add required amount of MINUET fungicide and sufficient water to meet the injection time requirements of the solution tank.
- Maintain constant solution tank agitation during the injection period.
- Stop injection equipment after treatment is completed. Continue to operate the system until MINUET fungicide solution has cleared the sprinkler head.

### **Solid Set, Side (Wheel) Roll, and Hand Move Irrigation Equipment**

- Determine acreage covered by sprinkler.
- Fill injector solution tank with water and adjust flow rate to use contents over a 10- to 30-minute interval.
- Determine the amount of MINUET fungicide required to treat area.
- Add the required amount of MINUET fungicide into the same quantity of water used to calibrate the injection equipment.
- Maintain constant solution tank agitation during the injection period.
- Operate system at normal pressures specified by the manufacturer of the injection equipment and used for the time interval established during calibration.
- Inject MINUET fungicide at the end of the irrigation cycle or as a separate application to maximize foliar fungicide retention.
- Stop injection equipment after treatment is completed. Continue to operate the system until MINUET fungicide solution has cleared the last sprinkler head.

### **Flushing and Cleaning the Chemical Injection System**

At the end of the application period, allow time for all lines to flush the pesticide through all nozzles or emitters before turning off irrigation water. To ensure the lines are flushed and free of pesticides, a dye indicator may be injected into the lines to mark the end of the application period.

In order to apply pesticides accurately, the chemical injection system must be kept clean, free of chemical or fertilizer residues and sediments. Refer to your owner's manual or ask your equipment supplier for the cleaning procedure for your injection system.



## **SPRAY DRIFT MANAGEMENT**

The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Consult the local Cooperative Extension for additional information. Avoiding spray drift is the responsibility of the applicator.

### **Droplet Size**

Use the largest droplet size which provides sufficient control and coverage. Higher flow nozzles and lower pressures will produce larger droplets and minimize drift. Low drift and air induction nozzles will provide lower drift potential. Use larger droplet size when applying in hot, dry conditions (droplet evaporation is higher under these conditions, thus reducing the effective droplet size and increasing drift potential).

### **Wind Speed**

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. Applications during gusty or calm wind conditions should be avoided. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. For applications made in-furrow or below soil-level, wind speed restrictions are not applicable.

### **Temperature Inversions**

Drift potential is high during temperature inversions and applications should be avoided under these conditions. Temperature inversions are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog. If fog is not present, inversions can also be identified by the movement of smoke or dust from a ground source -- smoke or dust that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion.

### **Sensitive Areas**

When applying adjacent to residential areas, bodies of water, habitats known to have threatened or endangered species, or non-target crops, drift can be minimized to these areas by making application when the wind direction is away from these areas.

Where states or local authorities have more stringent regulations, they should be observed.

## **COMPATIBILITY TESTING AND TANK MIX PARTNERS**

### **Compatibility**

MINUET is physically and biologically compatible with many commonly used pesticides, fertilizers, adjuvants, and surfactants but has not been fully evaluated with all of these. To ensure compatibility of tank-mix combinations, evaluate them prior to use as follows: Using a suitable container, add proportional amounts of product to water. Add wettable powders first, followed by water dispersible granules, then by liquid flowables, and lastly, emulsifiable concentrates. Mix thoroughly and let stand for at least five minutes. If the combination stays mixed or can be remixed, it is physically compatible. Test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response does not occur as a result of application.

Do not combine MINUET with pesticides, surfactants, or fertilizers with which there has been no previous experience or use demonstrating that they are physically compatible, effective, and non-injurious under your use conditions.

### **Order of Mixing**

MINUET may be tank-mixed with other registered pesticides to enhance plant disease control or suppression. This product cannot be mixed with any product with a prohibition against such mixing. When tank-mixing MINUET with other registered pesticides, always read and follow all use directions, restrictions, and precautions of both MINUET and the tank-mix partner(s). Use of the resulting tank mix must be in accordance with the more restrictive label limitations and precautions. Do not exceed label dosage rates.

1. Partially fill the spray tank with clean water and begin agitation.
2. Add the specified amount of MINUET
3. Finish filling the tank to the volume necessary to obtain the proper spray concentration.

It is critical that the spray solution be agitated during mixing and application to assure a uniform suspension. Do not allow spray mixture to stand overnight or for prolonged periods. Maintain a spray solution pH between 4.5 and 8.5.

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## **SPECIFIC CROP DIRECTIONS**

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### **CROP USE DIRECTIONS**

- MINUET has a 0-Day Pre-Harvest Interval for all crops contained on this label.
- Applying MINUET to the soil at plant establishment will enhance root colonization.
- For improved performance under moderate to severe disease pressure, use the stated higher rates and reduced spray intervals as stated or use MINUET in a tank-mix or rotational program with other registered fungicides.

### **Soil Treatment Application Instructions**

MINUET is a broad spectrum fungicide and bactericide for the prevention, suppression [and control] of soil borne diseases on a wide range of horticultural and broadacre crops. For all crops, MINUET may be applied as a soil surface drench, shanked-in, side-dress, injected and in-furrow at any time.

### **Greenhouse Application Instructions**

MINUET may be applied as a soil treatment in Greenhouses with good resistance management programs. See soil treatment application instructions. Crop safety has not been confirmed on all cultivars. Plant compatibility testing is recommended when first using under your greenhouse conditions.

### **Preventative Applications for Plant Health and Optimum Disease Control**

MINUET provides benefits which can result in healthier plants. MINUET colonizes plants, preventing the establishment of disease-causing fungi and bacteria. As the plant's root system develops, the bacteria in MINUET, formulated and provided at optimized levels, grow with the roots, providing protection throughout the growing season and resulting in the establishment of a vigorous root system. Improved plant health may help the host plant tolerate environmental stresses such as drought, heat, and cold temperatures. MINUET improves plant utilization of nitrogen, phosphorus, potassium, other micronutrients and iron. Overall increased plant health may improve crop vigor, yields and quality, especially under stressful conditions.

**BRASSICA (COLE) LEAFY VEGETABLES – SOIL APPLICATION**

**Crops of Crop Group 5 Including:** Broccoli, Broccoli raab (rapini), Brussels sprouts, Cabbage, Cauliflower, Cavalo broccolo, Chinese broccoli (gai lon), Chinese cabbage (bok choy and napa), Chinese mustard cabbage (gai choy), Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard spinach, Rape greens, and other brassica leafy vegetable crops. Includes cultivars, varieties and/or hybrids of these commodities.

Target Diseases	Rate (oz/acre)
<i>Fusarium</i> spp. <i>Pythium</i> spp. <i>Phytophthora</i> spp. <i>Rhizoctonia</i> spp. <i>Verticillium</i> spp.	12 - 24

**CEREAL GRAINS (EXCEPT CORN) – SOIL APPLICATION  
(INCLUDING FORAGE, FODDER OR STRAW FROM CEREAL GRAINS)**

**Crops of Crop Group 15 (and 16) Including:** Barley, Buckwheat, Millet (pearl and proso), Oats, Rice, Rye, Sorghum, Teosinte, Triticale, Wheat, Wild rice, and other cereal grain crops. Includes cultivars, varieties and/or hybrids of these commodities.

Target Diseases	Rate (oz/acre)
<i>Fusarium</i> spp. <i>Phytophthora</i> spp. <i>Pythium</i> spp. <i>Rhizoctonia</i> spp. <i>Verticillium</i> spp.	6 - 12

**CORN – SOIL APPLICATION****(INCLUDING FORAGE and FODDER FROM CORN)**

Corn (field, sweet, and popcorn). Includes cultivars, varieties and/or hybrids of these commodities.

Target Diseases	Rate (oz/acre)
<i>Fusarium</i> spp. <i>Phytophthora</i> spp. <i>Pythium</i> spp. <i>Rhizoctonia</i> spp. <i>Verticillium</i> spp.	3 – 6

**CITRUS FRUITS – SOIL APPLICATION**

**Crops of Crop Group 10 Including:** Calamondin, Citrus citron, Citrus hybrids (including chironja, tangelo, tangor), Grapefruit, Kumquat, Lemon, Lime, Mandarin (tangerine), Orange (sweet and sour), Pummelo, Satsuma mandarin, and other citrus fruit crops. Includes cultivars, varieties and/or hybrids of these commodities.

Target Diseases	Rate (oz/acre)
<i>Phytophthora</i> spp.	12 - 24

**Citrus Application Instructions:**

**MINUET** Soil drench rate for immature citrus. Apply 12 to 24 ounces per acre as a soil drench using a metered dose directed to the soil around the trunk. Make applications in a volume not to exceed 32 ounces of diluted spray solution per tree (8 to 16 ounces is recommended).

Rate per Acre	Trees	Fluid ounces / Tree
12 oz rate	140 trees	0.09 fl oz
18 oz rate	140 trees	0.14 fl oz
24 oz rate	140 trees	0.18 fl oz

**MINUET** rates for mature citrus. Apply 12 to 24 ounces per acre as a soil drench or chemigated injection through micro-jet irrigation systems.

**CUCURBIT VEGETABLES – SOIL APPLICATION**

**Crops of Crop Group 9 including:** Balsam apple, Balsam pear, Bitter melon, Cantaloupe, Chayote (fruit), Cucumber, Chinese cucumber, Chinese waxgourd, Gherkin, Gourd (edible), Citron melon, Muskmelon, Pumpkin, Summer squash, Winter squash, Watermelon, and other cucurbit vegetable crops. Includes cultivars, varieties and/or hybrids of these commodities.

Target Diseases	Rate (oz/acre)
<i>Pythium</i> spp. <i>Rhizoctonia</i> spp. <i>Verticillium</i> spp.	12 - 24

**FRUITING VEGETABLES – SOIL APPLICATION**

**Crops of Crop Group 8 Including:** Eggplant, Groundcherry, Pepino, Pepper (including bell, chili, cooking, pimento and sweet), Tomatillo, Tomato, and other fruiting vegetable crops. Includes cultivars, varieties and/or hybrids of these commodities.

Target Diseases	Rate (oz/acre)
<i>Fusarium</i> spp. <i>Phytophthora</i> spp. <i>Pythium</i> spp. <i>Rhizoctonia</i> spp. Southern blight - <i>Sclerotium rolfsii</i> <i>Verticillium</i> spp.	12 - 24

**HOPS – SOIL APPLICATION**

Target Diseases	Rate (oz/acre)
<i>Fusarium</i> spp. <i>Phytophthora</i> spp. <i>Pythium</i> spp. <i>Rhizoctonia</i> spp. <i>Verticillium</i> spp.	12 - 24

**LEAFY VEGETABLES (EXCEPT BRASSICA) – SOIL APPLICATION**

**Crops of Crop Group 4 Including:** Amaranth (leafy), Arugula, Cardoon, Celery, Chinese celery, Celtuce, Chervil, Chrysanthemum (edible-leaved and garland), Corn salad, Cress (garden and upland), Dandelion, Dock (sorrel), Endive (escarole), Florence fennel (finocchio), Sea kale, Lettuce (head and leaf), Orach, Parsley, Puslane (garden and winter), Radicchio (red chicory), Rhubarb, Spinach (including chinese, new zealand and vine), Swiss chard, Tampala, and other leafy vegetable crops. Includes cultivars, varieties and/or hybrids of these commodities.

<b>Target Diseases</b>	<b>Rate (oz/acre)</b>
<i>Fusarium</i> spp. <i>Phytophthora</i> spp. <i>Pythium</i> spp. <i>Rhizoctonia</i> spp. <i>Sclerotinia</i> spp. <i>Verticillium</i> spp.	12 - 24

## LEGUME VEGETABLES – SOIL APPLICATION

**Crops of Crop Group 6 (Except Soybean) Including: Edible Podded and Succulent Shelled Pea & Bean and Dried Shelled Pea and Bean**

**Bean** (*Lupinus* spp., including grain lupin, sweet lupin, white lupin, and white sweet lupin)

**Bean** (*Phaseolus* spp., including field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean)

**Bean** (*Vigna* spp., including adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, Crowder pea, moth bean, mung bean, rice bean, Southern pea, urd bean, yardlong bean)

**Pea** (*Pisum* spp. including dwarf pea, edible-pod pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea)

**Other Beans and Peas** (Broad bean (fava), Chickpea (garbanzo bean), Guar, Jackbean, Lablab bean (hyacinth bean), Lentil, Pigeon pea, Sword bean, and other legume vegetable crops.

Includes cultivars, varieties and/or hybrids of these commodities.

Target Diseases	Rate (oz/acre)
<i>Phytophthora</i> spp. <i>Pythium</i> spp. <i>Rhizoctonia</i> spp. <i>Verticillium</i> spp.	12 - 24

**PEANUT – SOIL APPLICATION**

(including those grown for oil production)

Target Diseases	Rate (oz/acre)
<i>Aspergillus</i> spp.* Cylindrocladium Black Rot* <i>Fusarium</i> spp. <i>Phytophthora</i> spp. <i>Pythium</i> spp. <i>Rhizoctonia</i> spp. <i>Verticillium</i> spp. White Mold - <i>Sclerotium rolfsii</i> *NOT FOR USE IN CALIFORNIA	3 - 24

**POTATOES – SOIL APPLICATION**

Including: Potato, Sweet potato and other potato crops. Includes cultivars, varieties and/or hybrids of these commodities.

Target Diseases	Rate (oz/acre)
<i>Colletotrichum</i> spp. <i>Fusarium</i> spp. <i>Phytophthora</i> spp. <i>Rhizoctonia</i> spp. <i>Sclerotium rolfsii</i> <i>Verticillium</i> spp. Common Scab - <i>Streptomyces scabies</i>	12 - 24



**SUGARBEET AND CARROT – SOIL APPLICATION**

Target Diseases	Rate (oz/acre)
<i>Colletotrichum</i> spp. <i>Fusarium</i> spp. <i>Phytophthora</i> spp. <i>Pythium</i> spp. <i>Rhizoctonia</i> spp. <i>Sclerotium rolfsii</i> <i>Verticillium</i> spp. Common Scab - <i>Streptomyces scabies</i>	6 - 12

**SOYBEANS – SOIL APPLICATION**

Target Diseases	Rate (oz/acre)
<i>Aphanomyces</i> spp.* <i>Fusarium</i> spp. <i>Macrophomina</i> spp. <i>Phytophthora</i> spp. <i>Pythium</i> spp. <i>Rhizoctonia</i> spp. <i>Verticillium</i> spp. *NOT FOR USE IN CALIFORNIA	3 - 12

**STRAWBERRY – SOIL APPLICATION**

Target Diseases	Rate (oz/acre)
<i>Phytophthora</i> spp. <i>Verticillium Wilt</i> <i>Rhizoctonia</i> spp. <i>Fusarium</i> spp.	12 - 24

## GRASS FORAGE, FODDER, AND HAY – SOIL APPLICATION

**Crops of Crop Group 17 Including:** Bluegrass, Fescue, Orchard grass and other grass seed production crops. Includes cultivars, varieties and/or hybrids of these commodities.

Target Diseases	Rate (oz/acre)
<i>Fusarium</i> spp. <i>Phytophthora</i> spp. <i>Pythium</i> spp. <i>Rhizoctonia</i> spp. <i>Verticillium</i> spp.	3 - 6

## STORAGE AND DISPOSAL

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

### **Pesticide storage**

Store in a dry area inaccessible to children. Store in original container only. Keep container closed when not in use. Store at room temperature.

### **Pesticide disposal**

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

### **Container handling**

#### **Non-Refillable Containers**

#### **Rigid, Non-refillable containers (equal to or less than 5 gallons)**

Non-refillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (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 1/4 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.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.





Lot No.:

Net Contents: 1 Gal. (3.785 L)

MINUET™



Can be Used for Organic Production

**ACTIVE INGREDIENT:**

*Bacillus subtilis* strain QST 713\* ..... 9.89%

**OTHER INGREDIENTS:**..... 90.11%

**TOTAL:** ..... 100.00%

\*Contains a minimum of 2.7 x 10<sup>10</sup> colony forming units (cfu)/g of product

EPA Reg. No. 264-1202

EPA Est. No. 264-MEX-001

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

Please refer to booklet for first aid, additional precautionary statements and directions for use.

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours

A Day 1-800-334-7577

For **PRODUCT USE** Information Call 1-866-99BAYER

(1-866-992-2937)

**FIRST AID**

- 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 center or doctor for further treatment advice.

In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577.

Have the product container or label with you when calling the poison control center or doctor, or going for treatment.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

- Harmful if inhaled. Avoid breathing spray mist.
- Remove and wash contaminated clothing before reuse

BACILLUS SUBTILIS | GROUP BMO2 | FUNGICIDE |

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read the entire label before using this product.

**STORAGE AND DISPOSAL**

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Produced For: Bayer CropScience LP  
800 N. Lindbergh Blvd.  
St. Louis, MO 63167

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