



Companion Maxx Biological Fungicide Wettable Powder
ABN: BellaTrove Companion Maxx WP, BellaTrove Companion Maxx ST,
Prephyte ST

For use on Agricultural Crops, for suppression of *Pratylenchus* spp. which is commonly referred to as Lesion nematode.

EPA Reg. No. 94485-5

Active Ingredient:

Bacillus amyloliquefaciens strain ENV503*	0.149%
Other Ingredients:	99.851%
Total	100.00%

*contains not less than 5.9×10^9 Colony Forming Units (CFU) per gram of product

Signal Word: N/A

FIFRA 2(ee) Recommendation

For distribution and use in the following states: Alabama, Arkansas, Arizona, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming.

FIFRA Section 2(ee) Recommendation: This recommendation is made as permitted under FIFRA Section 2(ee) and has not been submitted to or approved by the EPA. This product bulletin should be in the possession of the user at the time of application of the product. All applicable directions, restrictions and precautions on the EPA registered label are to be followed.

Directions for Use

Companion® Maxx Biological Fungicide Wettable Powder is a broad-spectrum biological fungicide [and bactericide] for the prevention, control or suppression of many soilborne and foliar diseases on the labeled agricultural crops. Apply as a foliar spray or as a soil drench alone or in alternating spray program with other EPA-registered products. Companion® Maxx Biological Fungicide Wettable Powder contains the active ingredient *Bacillus amyloliquefaciens*



strain ENV503, a plant growth-promoting rhizobacterium that quickly establishes beneficial colonies on the plant's root and leaves. It protects the roots from invading pathogens, stimulates healthier roots and improves nutrient uptake. *Bacillus amyloliquefaciens* strain ENV503 is also known to trigger the plant's immune system [(Induced Systemic Resistance (ISR))].

Companion® Maxx Biological Fungicide Wettable Powder can be used on all plant material and is most effective when applied prior to the onset of disease. Use Companion® Maxx Biological Fungicide Wettable Powder in combination and/or rotation with chemical fungicides [and bactericides] to enhance disease control and reduce the occurrence of resistance.

For use on the labeled field-grown agricultural crops including: vegetables, herbs, small fruits, berries, fruit and nut trees, and other species listed on this label. For use in greenhouse production and hydroponics.

Application Instructions

Foliar & Soil Spray Application

Apply Companion® Maxx Biological Fungicide Wettable Powder with spray equipment, including hand-held sprayers; boom sprayers; aerial application systems; specified irrigation systems; and fertigation systems. Fit sprayers applying Companion® Maxx Biological Fungicide Wettable Powder with a strainer size of 50-mesh. For proper application, determine the number of acres to be treated, the label use rate and select appropriate volume to give good canopy penetration and coverage of plant parts to be protected. Prepare only the amount of spray solution required to treat the measured acreage. See equipment manufactures instructions for proper use and calibration of equipment, prior to application of Companion® Maxx Biological Fungicide Wettable Powder.

Tank Mixing:

Special care must be taken when tank mixing.

- 1) Prepare no more spray mixture than is required for the immediate operation, by determining the treatment rates as indicated in the directions for use and make proper dilutions.
- 2) Thoroughly clean spray equipment before using this product. 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, can cause product to lose effectiveness or strength.
- 3) Companion® Maxx Biological Fungicide Wettable Powder must be diluted with water prior to use. The manufacturer recommends that the user makes a slurry in water prior to adding to the spray tank.
- 4) Partially fill the spray tank with clean water to the $\frac{3}{4}$ level and then add the specific amount of Companion® Maxx Biological Fungicide Wettable Powder to the tank as required. Add the remaining water. Mix thoroughly. Maintain agitation continuously while spraying.
- 5) Avoid allowing the spray mixture to stand for prolonged periods of time prior to use to avoid settling. Vigorously agitate the mixture to redisperse the product



prior to application if the mixture has settled. DO NOT allow spray mixture to stand overnight.

Seed Treatment

When mixing with other seed treatment products, observe all directions for use, crop/sites/use rates, dilution rations, precautions and limitations that appear on the tank mix partner label(s). No label dosage may be exceeded, and the most restrictive label precautions and limitations must be followed. Prepare no more mixture than is required for immediate operation.

For Commercial Seed Treatment:

This product may be applied as a water-based slurry with other registered seed treatment insecticides and fungicides through standard slurry or mist-type commercial seed treatment equipment. This product does not contain dye. All seed treated commercially with this product must be colored with an EPA-approved dye or colorant of a suitable color to prevent accidental use as food for humans or feed for animals. The Federal Seed Act requires the bags containing seed treated with this product shall be labeled with the following information: “This seed has been treated with *Bacillus amyloliquefaciens* strain ENV503. Do not use for food, feed or oil purposes. Store away from feed and foodstuffs.”

Hopper Box/Slurry Box/on Farm Tank Mix:

This product may be applied as a dry hopper box/slurry box/or on farm tank mix seed treatment. Consult the manufacturer prior to using Companion® Maxx Biological Fungicide Wettable Powder in hopper box, planter box, slurry box or other seed treatment applications at or immediately before planting.

- Hopper box application:** apply Companion® Maxx Biological Fungicide Wettable Powder to seed at time of planting and blend thoroughly to fully coat.
- On-farm tank mix application:** apply Companion® Maxx Biological Fungicide Wettable Powder to the tank/container with seed present and agitate gently until product has adequately coated seed. Transfer to planting equipment.

Additional Information

Refer to the Companion Maxx Biological Fungicide Wettable Powder label for additional information on use directions, application methodology, restrictions, and precautions.

Use Rates

Companion Biological Fungicide Wettable Powder should be applied at the recommended rates listed in the table below. Higher rates should be used if conditions are favorable for disease development.

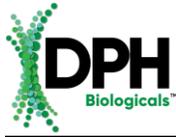
APPLICATIONS AS A SOIL SPRAY FOR FIELD CROPS		
Crop	Disease	Product Application Rate, Timing & Frequency
Berries including: Blackberry (includes Bingleberry, Black Satin Berry, Boysenberry,	Lesion Nematode – <i>Pratylenchus</i> spp.	½ (8 oz) – 1 ½ lb per Acre



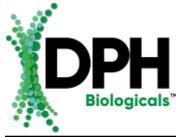
<p>Cherokee Blackberry, Chesterberry, Cheyenne Blackberry, Coryberry, Darrowberry, Dewberry, Dirksen Thornless Berry, Himalayaberry, Hullberry, Lavacaberry, Loganberry, Lowberry, Lucretiaberry, Mammoth Blackberry, Marionberry, Nectarberry, Olallieberry, Oregon Evergreen Berry, Phenomenalberry, Rangeberry, Ravenberry, Rosberry, Shawneed Blackberry and Youngberry, Blueberry, Cranberry, Currant, Elderberry, Strawberry, Gooseberry, Huckleberry, Raspeberry (Black and Red) and Cultivars, Varieties and/or Hybrids of these. Except for Grapes (Wine, Table and Raisin), Kiwifruit.</p>		<p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and Application Instructions” section on this label.</p>
<p>Brassica (Cole) Leafy Vegetables including: Broccoli, Chinese Broccoli, Broccoli Raab, Brussels Sprouts, Cabbage, Chinese Cabbage (Bok Choy and Napa), Chinese Mustard Cabbage (Gai Choy), Cauliflower, Cavalo Broccolo, Collards, Kale, Kohlrabi, Mizuna, Mustard Greens, Mustard Spinach and Rape Greens, and Cultivars, Varieties, and Hybrids of these.</p>	<p>Lesion Nematode – <i>Pratylenchus</i> spp.</p>	<p>½ (8 oz) – 1 ½ lb per Acre</p> <p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and Application Instructions” section on this label.</p>
<p>Cucurbit Vegetables including: Chayote, Chinese Waxgourd, Citron Melon, Cucumber,</p>		<p>½ (8 oz) – 1 ½ lb per Acre</p>



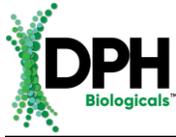
<p>Gherkin, Edible Gourds (includes Chinese Okra, Cucuzza, hechima and Hyotan), Momordica spp. (includes Balsam Apple, Balsam Pea, Bitter Melon and Chinese Cucumber), Muskmelon (includes True Cantaloupe, Cantaloupe, Casaba, Crenshaw Melon, Golden Pershaw Melon, Honeydew Melon, Mango Melon, Persian Melon, Pineapple Melon, Santa Claus Melon, Snake Melon and Hybrids and/or Cultivars of Cucumis melo), Pumpkin, Summer Squash (includes Crookneck Squash, Scallop Squash, Straightneck Squash, Vegetable Marrow and Zucchini), Winter Squash (includes Acorn Squash, Butternut Squash, Calabaza, Hubbard Squash and Spaghetti Squash) and Watermelon includes Cultivars, Hybrids and/or Varieties of these.</p>	<p>Lesion Nematode – <i>Pratylenchus</i> spp.</p>	<p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and Application Instructions” section on this label.</p>
<p>Citrus Fruits including: Citron, Citrus Hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin, Orange, Pummelo, satsuma Mandarin, Tangelo, Tangerine and Cultivars, Varieties and/or Hybrids of these.</p>	<p>Lesion Nematode – <i>Pratylenchus</i> spp.</p>	<p>½ (8 oz) – 1 ½ lb per Acre</p> <p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and</p>



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<p>Tree (edible and inedible nut bearing) including: Almond, Beechnut, Brazilian Pine, Bur Oak, Butternut, Cashew, Chestnut, Chinquapin, Coconut, Hazelnut, Macadamia nut, Pecan, Pequi, Pine nut, Pistachio, Sapucaia nut, Tropical Almond, Walnut (black and English), and Cultivars , Varieties, and/or Hybrids of these.</p>	<p>Lesion Nematode – <i>Pratylenchus</i> spp.</p>	<p>½ (8 oz) – 1 ½ lb per Acre</p> <p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and Application Instructions” section on this label.</p>
<p>Grape (Wine, Table and Raisin), Hops, Kiwifruit, Passionfruit.</p>	<p>Lesion Nematode – <i>Pratylenchus</i> spp.</p>	<p>½ (8 oz) – 1 ½ lb per Acre</p> <p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and</p>



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<p>Herbs and Spices including: Allspice, Angelica, Anise, Annatto, Basil, Chamomile, Caraway, Cardamom, Cassia, Celery Seed, Chervil (Dried), Chives, Cinnamon, Coriander, Cumin, Curry, Dill, Fennel, Fenugreek, Horehound, Hyssop, Juniper Berry, Lavender, Lemongrass, Lovage, Mace Marigold, Marjoram, Mustard, Nasturtium, Nutmeg, Oregano, parsley (Dried), Pepper, Rosemary, Rue, Saffron, Sage, Savory, Sweet Bay, Tansy, Tarragon, Thyme, Vanilla, Wintergreen, Woodruff and Wormwood and Cultivars, Varieties, and Hybrids of these.</p> <p>Mint</p>	<p>Lesion Nematode – <i>Pratylenchus</i> spp.</p>	<p>½ (8 oz) – 1 ½ lb per Acre</p> <p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and Application Instructions” section on this label.</p>
<p>Fruiting Vegetables including: Eggplant, Groundcherry, Okra, Pepino, Pepper (includes Bell Pepper, Chili Pepper, Cooking Pepper, Pimento and Sweet Pepper), Tomatillo, Tomato and Cultivars, Varieties and/or Hybrids of these.</p>	<p>Lesion Nematode – <i>Pratylenchus</i> spp.</p>	<p>½ (8 oz) – 1 ½ lb per Acre</p> <p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and</p>



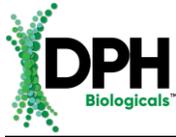
		Application Instructions” section on this label.
<p>Leafy Vegetables (Except Brassica Vegetables) including: Amaranth, Arugula, Cardoon, Celery, Celtuce, Chervil, Chinese Celery, Chrysanthemum (Edible-Leaved and Garland), Corn Salad, Cress (Garden and Upland), Dandelion, Dock (Sorrel), Endive (Escarole), Fennel Lettuce (Head and Leaf), Orach, Parsley, Purslane (Garden and Winter), Radicchio, Rhubarb, Spinach, Spinach (New Zealand and Vine) and Swiss Chard, and Cultivars, Varieties, and Hybrids of these, including Those Grown for Seed Production.</p>	<p>Lesion Nematode – <i>Pratylenchus</i> spp.</p>	<p>½ (8 oz) – 1 ½ lb per Acre</p> <p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and Application Instructions” section on this label.</p>
<p>Legume Vegetables including: Bean Broad Bean, Chickpea, Guar, Jackbean, Lentil, Pea, Pigeon Pea and Soybean</p>	<p>Lesion Nematode – <i>Pratylenchus</i> spp.</p>	<p>½ (8 oz) – 1 ½ lb per Acre</p> <p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and</p>



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<p>Bulb Vegetables including: Fresh Leaves Chive, Garlic, Leek, Onion, Shallot and Cultivars, Varieties and/or Hybrids of these.</p>	<p>Lesion Nematode – <i>Pratylenchus</i> spp.</p>	<p>½ (8 oz) – 1 ½ lb per Acre</p> <p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and Application Instructions” section on this label.</p>
<p>Root and Tuber Vegetables including: Arracacha, Arrowroot, Artichoke, Beet, Sugar Beet, Carrot, Cassava, Celeriac, Chayote (Root), Chervil (Turnip-Rooted), Chicory, Chufa, Dasheen, Ginger, Ginseng, Horseradish, Parsnip, Potato, Radish, Rutabaga, Salsify, Skirret, Sweet Potato, Turmeric, Turnip and Yam and cultivars, varieties, and hybrids of these.</p>	<p>Lesion Nematode – <i>Pratylenchus</i> spp.</p>	<p>½ (8 oz) – 1 ½ lb per Acre</p> <p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and</p>



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<p>Tropical and Subtropical Fruits Inedible Peel (Except Banana, PassionFruit and Plantain) including: Mango, Papaya, Avocado and Pineapples, Coconut, Date, Fig, Guava, Olive, Palm, and Cultivars, Varieties, and Hybrids of these.</p> <p>Coffee</p> <p>Banana and Plantain</p>	<p>Lesion Nematode – <i>Pratylenchus</i> spp.</p>	<p>½ (8 oz) – 1 ½ lb per Acre</p> <p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and Application Instructions” section on this label.</p>
<p>Cereal Grains including: Barley, Buckwheat, Corn (Sweet, Dried Field), Millet, Pearl Millet (peral, proso), Oats, Popcorn, Rice, Rye, Sorghum, Sweet Corn, Teosinte Triticale, Wheat, Wild Rice and Cultivars, Varieties, and Hybrids of these.</p>	<p>Lesion Nematode – <i>Pratylenchus</i> spp.</p>	<p>½ (8 oz) – 1 ½ lb per Acre</p> <p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and</p>



		Application Instructions” section on this label.
<p>Grasses Grown for Seed, Sod Production, Pasture and Forage Grasses, Turf and Ornamental Grasses</p> <p>Sugarcane</p>	<p>Lesion Nematode – <i>Pratylenchus</i> spp.</p>	<p>½ (8 oz) – 1 ½ lb per Acre</p> <p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and Application Instructions” section on this label.</p>
<p>Stalk and Stem Vegetables including: Agave, Aloe, Asparagus, Bamboo, Cardoon, Celery, Celtuce, Fennel, Fern, Fuki, Kale, Kohlrabi, Palm Heart, Prickly Pear, Rhubarb, Udo, Zuiki, and Cultivars, Varieties, and Hybrids of these.</p>	<p>Lesion Nematode – <i>Pratylenchus</i> spp.</p>	<p>½ (8 oz) – 1 ½ lb per Acre</p> <p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and</p>



		Application Instructions” section on this label.
<p>Fiber Crops including: Cotton, Flax, and Hemp, and Cultivars, Varieties, and Hybrids of these.</p>	<p>Lesion Nematode – <i>Pratylenchus</i> spp.</p>	<p>½ (8 oz) – 1 ½ lb per Acre</p> <p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and Application Instructions” section on this label.</p>
<p>Oilseed including: Castor, Cottonseed, Flax, Mustard, Rapeseed, Poppy, Safflower, Sesame, Sunflower, and cultivars, varieties, and/or hybrids of these.</p>	<p>Lesion Nematode – <i>Pratylenchus</i> spp.</p>	<p>½ (8 oz) – 1 ½ lb per Acre</p> <p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and</p>



		Application Instructions” section on this label.
<p>Pome and Stone Fruits including: Apple, Azarole, Crabapple, Loquat, Mayhaw, Medlar, Pear, Asian Pear, Quince, Tejocote, Apricot, Cherry, Nectarine, Peach Plum, Plumcot, Prune, Cherry, and Cultivars, Varieties, and/or Hybrids of these.</p>	<p>Lesion Nematode – <i>Pratylenchus</i> spp.</p>	<p>½ (8 oz) – 1 ½ lb per Acre</p> <p>0.56 kg (560 g) – 1.68 kg per Hectare</p> <p>For suppression, apply at planting in furrow or incorporated into irrigation equipment. Continue applications throughout the season every 14 days if needed.</p> <p>Apply through standard spray equipment ranging from 3 – 50 gal. water per Acre. When more diluted or concentrated spray solutions are needed for the type of equipment being used, follow the “Mixing and Application Instructions” section on this label.</p>

See product label and Safety Data Sheet for product uses, hazards, and precautionary information.

As with any crop-protection product, always read and follow label directions. For additional information call toll-free 1-800-648-7626.