

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

April 26, 2017

Sherry Hutcheson Senior Regulatory Manager United Phosphorus, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406

Subject: Label Amendment – Add ornamental use

Product Name: Banter 4 Miticide EPA Registration Number: 70506-322

Application Date: 9/2/2016 Decision Number: 521387

Dear Ms. Hutcheson:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Jacquelyn Herrick by phone at 703-347-0559, or via email at <a href="mailto:herrick.jacquelyn@epa.gov">herrick.jacquelyn@epa.gov</a>.

Elyssa Obenold

Sincerely,

Elyssa Arnold, Acting Product Manager 01

Invertebrate & Vertebrate Branch 3

Registration Division (7505P)

Office of Pesticide Programs

Enclosure

### ACCEPTED

04/26/2017

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 70506-322

Banter 4 Miticide Label amendment – clean copy April 21, 2017

20D **ACARICIDE GROUP** 

### BANTER<sup>TM</sup> 4 Miticide

### {Additional Alternate Brand Name: Banter 4SC Ornamental Miticide}

Active Ingredient: (% by weight) bifenazate: hydrazine carboxylic acid, 2-(4-methoxy-Other Ingredients: 56.8% Contains 4 lbs. active ingredient bifenazate per gallon.

### KEEP OUT OF REACH OF CHILDREN

### CAUTION

FIRST AID							
IF SWALLOWED:	<ul> <li>Call 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 the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>						
IF INHALED:	<ul> <li>Move person to fresh air.</li> <li>If the person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>						
treatment. For emerge 6671.	niner or label with you when calling a poison control center or doctor, or going for ncy medical assistance, call the Rocky Mountain Poison and Drug Center at 1-866-673-cy: spill, leak, fire, exposure or accident, call CHEMTREC at 1-800-424-9300.						

N	JET	CONTENTS:	Gallons
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United Phosphorus, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406 1-800-438-6071

EPA Reg. No. 70506-322 EPA Est. No. \_\_\_\_\_

#### [Sublabel A – Agricultural uses]

GROUP 20D ACARICIDE

### **BANTER<sup>TM</sup> 4 Miticide**

# KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID							
IF SWALLOWED:	<ul> <li>Call 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 the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>						
IF INHALED:	<ul> <li>Move person to fresh air.</li> <li>If the person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>						
Have the product conta							

treatment. For emergency medical assistance, call the Rocky Mountain Poison and Drug Center at 1-866-673-6671.

For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC at 1-800-424-9300.

United Phosphorus, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406 1-800-438-6071 EPA Reg. No. 70506-322 EPA Est. No. \_\_\_\_\_

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Harmful if inhaled. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### **Applicators and Other Handlers Must Wear:**

- Long-sleeved shirt and long pants;
- Shoes plus socks, and
- For mixing and loading activities when not using a closed system, wear an apron and chemicalresistant gloves made of barrier laminate, polyethylene, butyl rubber (≥ 14 mils), nitrile rubber (≥ 14 mils), neoprene rubber (≥ 14 mils), natural rubber (≥ 14 mils), polyvinyl chloride (≥ 14 mils), or Viton (≥ 14 mils).

Follow manufacturer's instructions for cleaning and 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:

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

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to birds, aquatic invertebrates and fish. 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 washwaters or rinsate. This product is moderately toxic to bees and other pollinating insects exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product if bees or other pollinating insects are foraging the treatment area.

#### PHYSICAL-CHEMICAL HAZARDS

Do not store with or use near oxidizing agents. Hazardous chemical reactions may occur.

#### **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 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), 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 12 hours**. [Exceptions are listed under the Use Instructions for each crop.]

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

- coveralls
- shoes plus socks
- chemical-resistant gloves made of any waterproof material

#### **USE INFORMATION**

BANTER 4 Miticide is a suspension concentrate (flowable). It is a selective miticide for the control of a variety of mite pests on the crops listed on this label. When used as directed and applied to the foliage, it provides knockdown through contact activity, and long residual control. Due to its carbazate chemistry, mode of action and selective nature, BANTER 4 Miticide is relatively inactive against beneficial/predaceous mites and insects and is compatible with IPM and resistance management programs.

BANTER 4 Miticide is not systemic in action; therefore complete coverage of both upper and lower leaf surfaces is necessary for effective control.

#### SHAKE WELL BEFORE USING

[Optional text for containers greater than 2.5 gallons: SHAKE WELL, AGITATE, OR RECIRCULATE BEFORE USE.]

#### MIXING INSTRUCTIONS

The following procedure is recommended for preparation of a new tank mix, unless specified otherwise in label directions. (1) Fill spray tank with 1/2 the desired amount of water. (2) Add wettable powders to tank water. (3) Agitate. (4) Add liquids and flowables including required amount of BANTER 4 Miticide with agitation running to fully disperse the product. (5) Add emulsifiable concentrates. (6) Agitate. (7) Then fill the tank with the remaining amount of required water.

Like many pesticides, BANTER 4 Miticide stability can be impacted by high pH and high temperature. Maintain spray mixtures containing BANTER 4 Miticide within a range of pH 5.5 to 6.5.

**Restrictions:** Tank mixtures are permitted only in states where all of the pesticide products used as tank-mix partners are registered. It is the pesticide user's responsibility to ensure that all pesticide products used in the tank mix are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. **Compatibility:** To obtain broad-spectrum insect control. BANTER 4 Miticide can be tank-mixed with other insecticide products. However, due to variations in water quality, e.g., hardness and pH, it is required that users conduct small-scale trials under local conditions to ensure compatibility prior to any large-scale use.

#### **USE RATES AND DIRECTIONS**

Refer to the **USE INSTRUCTIONS** tables for application rates, application number, and pre-harvest interval (PHI) for labeled crops.

**For ground applications**, refer to the **USE INSTRUCTIONS** tables for minimum number of gallons of spray solution to apply per acre using the following types of equipment: compressed air, hydraulic ground boom or air-blast sprayers.

**For aerial applications**, refer to the **USE INSTRUCTIONS** tables for the minimum gallons of spray solution to apply per acre (or the minimum gallons/acre allowed by your State, which may not be less than the minimum gallons/acre shown on this label) using either a fixed-wing aircraft or helicopter. Always use a spray volume adequate to assure complete coverage of the crop canopy.

**For chemigation applications**, refer to the instructions for **CHEMIGATION USE PRECAUTIONS AND INSTRUCTIONS FOR CRANBERRY, MINT, POTATOES AND TIMOTHY FOR FORAGE/HAY.** Refer to the **USE INSTRUCTIONS BEARING CROPS** table for the ranges in application rates permitted for these crops. Only one application may be made per 12 month period. Sprinkler systems must be operated at 80-100% during treatment application to apply the minimum amount of water possible.

To provide maximum residual control, make application as soon as mites appear. Use the lower specified rate where mite infestations are light. The highest specified rate may be required for heavy infestations or for extended residual control.

When used as directed, BANTER 4 Miticide is effective for the control of a variety of mite species, especially spider mites, red mites and grass mites. NOTE: It is not effective against rust mites, broad mites and flat mites. BANTER 4 Miticide is primarily active on the motile stage of mites, but also has ovicidal activity against spider mites (*Tetranychus* species).

#### **Restrictions:**

- Rotational Crops This product has a plantback restriction of 30 days. Do not plant another crop within 30 days after last BANTER 4 Miticide application due to chances of bifenazate residues showing up in rotational crops.
- Do not exceed the maximum amount of BANTER 4 Miticide allowed per crop per 12 month period, regardless of the bifenazate-containing product(s) used.

#### MITES CONTROLLED

Avocado red spider

Banks grass

Brown almond

Citrus red

Clover

European red (use maximum rate specified for crop or crop group)

McDaniel

Pacific spider

Pecan leaf scorch

Persea

Sixspotted

Southern red mite

Spruce spider mite

Strawberry spider

Two-spotted spider

Banter 4 Miticide Label amendment – clean copy April 21, 2017

Willamette

# USE INSTRUCTIONS BEARING CROPS

		MINIMUM G PER AC			TOTAL NUMBER OF		
CROP	AMOUNT BANTER 4 Miticide FL OZ. PER ACRE*(	GROUND	AIR**	CHEMIGATION ACRE INCHES OF WATER	SPRAYS PER CROP PER 12 MONTH PERIOD	MINIMUM DAYS BETWEEN APPLICATIONS**	HARVEST DAYS AFTER APPLICATION (PHI DAYS)
AVOCADO	12-16 fl oz. (0.375- 0.50 lbs ai/A)	50	_	_	2 (maximum 1.0 lbs ai/A)	21	7
CANEBERRY (within Crop Sub-Group 13-07A) Blackberry Loganberry Raspberry (red, black, wild) & Cultivars and/or hybrids of these	12-16 fl oz. 0.375- 0.50 lbs ai/A)	50	_	_	2 (maximum 1.0 lbs ai/A)	30	1
COTTON	16-24 fl oz (0.50- 0.750 lbs ai/A)	20	5	-	1 (maximum 0.75 lbs ai/A)	-	60
CUCURBIT (within Crop Group 9) Chayote (fruit), Chinese waxgourd, Citrus melon, Cucumber, Gherkin, Gourd (edible), Balsam apple Balsam pear Bitter melon Chinese cucumber Muskmelon (Mormordica spp) (hybrids and/or cultivars of Cucumis melo including cantaloupe, true cantaloupe, casaba,	12-16 fl oz. (0.375- 0.50 lbs ai/A)	50	10	_	1 (maximum 0.50 lbs ai/A)	_	3

		MINIMUM G. PER AC			TOTAL NUMBER OF		
CROP	AMOUNT BANTER 4 Miticide FL OZ. PER ACRE*(	GROUND	AIR**	CHEMIGATION ACRE INCHES OF WATER	SPRAYS PER CROP PER 12 MONTH PERIOD	MINIMUM DAYS BETWEEN APPLICATIONS**	HARVEST DAYS AFTER APPLICATION (PHI DAYS)
crenshaw, golden pershaw, honeydew, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, snake melon) Pumpkin Squash (summer and winter) Watermelon							
FRUITING VEGETABLES (within Crop Group 8- 10) Eggplant (African pea, scarlet), Cocona, Garden huckleberry, Goji berry, Groundcherry, Martynia, Naranjilla, Okra, Pepino Pepper (bell, non bell, chili, cooking, hot, pimento, sweet), Roselle, Sunberry, Tomato (including bush, currant tree), Tomatillo, & Cultivars, varieties and/or hybrids of these	12-16 fl oz. (0.375- 0.50 lbs ai/A)	50	10		1 (maximum 0.50 lbs ai/A)	_	3

	AMOUNT	MINIMUM GALLONS PER ACRE			TOTAL NUMBER OF	MINIMIM DAVE	HARVEST DAYS
CROP	AMOUNT BANTER 4 Miticide FL OZ. PER ACRE*	GROUND	AIR**	CHEMIGATION ACRE INCHES OF WATER	SPRAYS PER CROP PER 12 MONTH PERIOD	MINIMUM DAYS BETWEEN APPLICATIONS**	AFTER APPLICATION (PHI DAYS)
CD A DEC AND							
GRAPES AND OTHER CLIMBING VINE SMALL FRUIT (EXCEPT FUZZY KIWIFRUIT)(within Crop Sub-Group 13- 07F) Amur river grape, Gooseberry, Kiwifruit (hardy), Maypop, Schisandra berry, & Cultivars, varieties and/or hybrids of these	12-16 fl oz. (0.375- 0.50 lbs ai/A)	50		_	1 (maximum 0.50 lbs ai/A)	_	14
HOPS	12-24 fl oz. (0.375- 0.75 lbs ai/A)	50	-	-	1 (maximum 0.75 lbs ai/A)	-	14
EBIBLE PODDED LEGUME VEGETABLES (within Crop Sub- Group 6A) and SUCCULENT shelled PEAS and BEANS (within Crop Sub-Group 6B) Bean (Lupinus spp.) (includes grain lupin, sweet lupin, white lupin, white sweet lupin), Bean (Phaseolus spp.) (includes field, kidney, navy, pinto,	16-24 fl oz. (0.50- 0.75 lbs ai/A)	20	10	_	2 (maximum 1.50 lbs ai/A)	14	3

		MINIMUM GA			TOTAL NUMBER OF		
CROP	AMOUNT BANTER 4 Miticide FL OZ. PER ACRE*	GROUND	AIR**	CHEMIGATION ACRE INCHES OF WATER	SPRAYS PER CROP PER 12 MONTH PERIOD	MINIMUM DAYS BETWEEN APPLICATIONS**	HARVEST DAYS AFTER APPLICATION (PHI DAYS)
runner, snap, tepary, wax, lima ((green));							
Bean (Vigna spp.) (includes adzuki, asparagus, broadbean (fava), catjang, chickpea (garbanzo), Chinese longbean, cowpea, guar, jack, lablab, lentil, moth, mung, rice, yardlong, blackeyed pea, powpea, Southern pea) Jackbean, Broad bean (succulent), Pea (Pisum spp.) (including dwarf, edible-pod, snowpea, sugar snap, field, English, garden,							
green), Soybean (immature seed), Sword Bean,							
Pigeon Pea,							
MINT	12-24 fl oz. (0.375- 0.75 lbs ai/A)	50	10	0.1 - 0.2  See separate Chemigatio n Use Instructions	1 (maximum 0.75 lbs ai/A)	_	7
POME FRUITS: (within Crop Group 11-10) Apple, Azarole, Crabapple, Loquat,	12-16 fl oz. (0.375- 0.50 lbs ai/A)	50	-	_	1 (maximum 0.50 lbs ai/A)	_	7

	AMOUNT	MINIMUM GA PER AC			TOTAL NUMBER OF	MINIMUM DAVE	HADVECT DAVE
CROP	AMOUNT BANTER 4 Miticide FL OZ. PER ACRE*	GROUND	AIR**	CHEMIGATION ACRE INCHES OF WATER	SPRAYS PER CROP PER 12 MONTH PERIOD	MINIMUM DAYS BETWEEN APPLICATIONS**	HARVEST DAYS AFTER APPLICATION (PHI DAYS)
Mayhaw, Hook, Medlar, Pear (including Asian, Oriental) Quince (including Chinese, Japanese), Tejocote & Cultivars, varieties and/or hybrids of these					TEMOS		(III 2.113)
POTATOES, TUBEROUS and CORM VEGETABLES	16-24 fl oz. (0.50- 0.75 lbs ai/A)	20	10	0.1-0.2 See Separate Chemigation Use Instructions	1 (maximum 0.75 lbs ai/A)	14	14
STRAWBERRY AND OTHER LOW GROWING BERRY (within Crop Sub-Group 13-07G): Bearberry, Bilberry, Lowbush blueberry, Cloudberry, Cranberry, Lingonberry, Muntries, Partridgeberry, & Cultivars, varieties and/or hybrids of these	12-16 fl oz. (0.375- 0.50 lbs ai/A)	100		See separate Chemigatio n Use Instructions for Cranberries	2 (maximum 1.0 lbs ai/A)	21	1
STONE FRUIT: (within Crop Group 12)	12-16 fl oz. (0.375-	50	_	_	1 (maximum 0.50 lbs ai/A)	_	3

	AMOUNT	MINIMUM GA			TOTAL NUMBER OF	MINIMANDANG	HADVECT DAVIC
CROP	AMOUNT BANTER 4 Miticide FL OZ. PER ACRE*	GROUND	AIR**	CHEMIGATION ACRE INCHES OF WATER	SPRAYS PER CROP PER 12 MONTH PERIOD	MINIMUM DAYS BETWEEN APPLICATIONS**	HARVEST DAYS AFTER APPLICATION (PHI DAYS)
Apricot, Cherry (sweet, tart) Nectarine, Peach, Plum (Chickasaw, damson, Japanese), Plumcot, Prune (fresh)	0.50 lbs ai/A)						
TIMOTHY forage and hay to be fed only to horses. Applications allowed in Eureka and Humboldt counties of Nevada only.	16-24 fl oz (0.50- 0.75 lbs ai/A)	20	10	0.1-0.2 See Separate Chemigatio n Use Instructions	1 (maximum 0.75 lbs ai/A)	-	Forage-0 Hay-7
TREE NUTS: (within Crop Group 14) (including Pistachio) Almond,							7
Beech nut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin,  Filbert (hazelnut), Hickory nut, Macadamia (bush nut), Pecans, Pistachios, Walnut (black and English ((Persian))	12-24 fl oz. (0.375- 0.75 lbs ai/A)	50	_	_	1 (maximum 0.75 lbs ai/A)	_	14

	AMOUNT	MINIMUM GA PER AC			TOTAL NUMBER OF SPRAYS PER	MINIMUM DAYS	HARVEST DAYS
CROP	BANTER 4 Miticide FL OZ. PER ACRE*	GROUND	AIR**	CHEMIGATION ACRE INCHES OF WATER	CROP PER 12 MONTH PERIOD	BETWEEN APPLICATIONS**	AFTER APPLICATION (PHI DAYS)
TROPICAL FRUIT: Papaya, Star Apple, Black Sapote, Mango, Sapodilla, Canistel, Mamey Sapote, Lychee, Longan, Spanish Lime, Rambutan, Pulasan, Guava, Feijoa, Jaboticaba, Wax Jambu, Starfruit (Carambola), Passionfruit, Acerola, Sugar Apple, Cherimoya, Atemoya, Custard Apple, Ilama, Soursap, Biriba	12-16 fl oz. (0.375- 0.50 lbs ai/A)	50	_	_	2 (maximum 1.0 lbs ai/A)	21	1

<sup>\*</sup>Use the highest specified rate under heavier mite pressure.

<sup>\*\*</sup>Minimum gallonage per acre permitted by state, but not less than shown.

<sup>\*\*\*</sup>Use a miticide with a different mode-of-action between any two (2) applications of Banter 4 Miticide.

#### NON-BEARING CROPS USE INSTRUCTIONS

BANTER 4 Miticide use on non-bearing crops (ie., crops which will not bear fruit within one year –365 days --of applications) **includes all the crops listed in the USE INSTRUCTIONS BEARING CROPS table plus the crops listed in the table shown below.** These include fruit trees and berries in both commercial plantings and nurseries, including transplant uses but excluding residential areas. **The listed non-bearing crops all have a 12 hour restricted entry interval (REI).** Application may only be made by ground equipment. Additional non-bearing crops that may be treated are shown in the table below:

CROP	MITES CONTROLLED	AMOUNT OF BANTER 4 MITICIDE PER ACRE	MINIMUM GALLONS SPRAY SOLUTION PER ACRE	TOTAL NUMBER OF SPRAYS PER ACRE PER 12 MONTH PERIOD
Berries (blueberry, highbush; elderberry; huckleberry)  Citrus (grapefruit, lemons, limes, oranges, tangerines, etc.)  Currants; Dates,	Banks grass Brown almond Citrus red Clover European red (use maximum rate of 16 fl oz/acre (0.50 lbs ai/A) McDaniel Pacific spider Pecan leaf scorch Strawberry spider	12-16 fl. oz. (0.375-0.50 lbs ai/A)	50	1 (maximum 0.50 lbs ai/A)
Figs Persimmons	Southern red mite Spruce spider mite Two-spotted spider Willamette			

## CHEMIGATION USE PRECAUTIONS AND INSTRUCTIONS FOR CRANBERRY, MINT, POTATOES, AND TIMOTHY FOR FORAGE/HAY

- A. Apply this product only through sprinkler systems, including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system.
- B. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.
- C. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

- D. 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.
- E. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make the necessary adjustments should the need arise.
- F. 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 backflow.
- G. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- H. 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.
- I. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- J. 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.
- K. 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.
- L. Do not apply when wind speed favors drift beyond the area intended for treatment.
- M. Constant agitation must be maintained in the chemical supply tank during the entire period of miticide application.
- N. Inject the product with a positive replacement pump into the main line ahead of a right angle turn, to insure adequate mixing.
- O. Application of more than label recommended quantities of irrigation water per acre may result in decreased product performance by removing the chemical from the zone of effectiveness.
- P. Do not apply when system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained.
- Q. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of more dilute mixture per hour. Pesticide should be applied continuously for the duration of the water addition.
- R. Where sprinkler irrigation patterns do not overlap sufficiently unacceptable mite control may result. Where sprinkler distribution patterns overlap excessively, crop injury may result.
- S. Check with state lead agencies for State-specific chemigation requirements.

#### RESISTANCE MANAGEMENT STRATEGIES

When used as directed, BANTER 4 Miticide combines high activity on mites with safety to beneficial/predaceous mites and insects. In addition, the carbazate chemistry of BANTER 4 Miticide provides a means of controlling mites which have developed resistance to commonly used products. These properties can result in fewer miticide/insecticide applications as well as general reduction in the problems caused by resistance.

BANTER 4 Miticide has demonstrated no cross resistance with other commercial miticides. BANTER 4 Miticide contains an active ingredient classified as a Group 20D acaricide. BANTER 4 Miticide is suitable to be used as a rotational partner with other miticides.

Follow the mite control strategies below:

- Incorporate IPM techniques into your insect control program.
- Ensure thorough spray coverage to all foliage.
- Scout regularly and apply BANTER 4 Miticide as soon as infestations are observed. Do not wait until large populations have established.
- Always apply BANTER 4 Miticide at the required rates and according to label directions.
- Unless labeled otherwise, use only one application of BANTER 4 Miticide per 12 month period, and rotate to a product with a different mode-of-action grouping.
- Because of its selectivity, BANTER 4 Miticide can be used in conjunction with most biological control organisms available for mite control. BANTER 4 Miticide, when used as directed, does not adversely affect populations of beneficial/predaceous mites and insects including:

Common Name	Scientific Name
Predatory mite	Amblyseius fallacis
Predatory mite	Phytoseiulus persimilis
Western predatory mite	Typhlodromus occidentalis
Predatory mite	Typhlodromus pyri
Predatory mite	Zetzellia mali
Seven-spotted lady beetle	Coccinella septempunctata
Spider mite destroyer	Stethorus punctum
Common lacewing	Chrysopa carnea
Insidious flower bug	Orius insidiosus
Six-spotted thrips	Scolothrips sexmaculatus
Western flower thrips	Frankliniella occidentalis

The use of these organisms in conjunction with BANTER 4 Miticide is encouraged as a means of reducing the number of chemical applications.

#### CHRISTMAS TREES/CONIFER PLANTATION AND NURSERIES

For commercial outdoor production

#### **Use Restrictions for Christmas Trees/Conifer Plantations and Nurseries:**

Banter<sup>TM</sup> 4 Miticide may only be used outdoors in tree nurseries, including Christmas trees/conifer plantations.

Do not make more than one application per 12 month period. Do not apply more than 16 fluid ounces of Banter 4 Miticide per acre per 12 month period.

Apply Banter 4 Miticide using one of the following types of ground equipment: compressed air sprayers, hydraulic sprayers, ground boom sprayers, air-blast sprayers, or hose-end sprayers.

#### **Application Directions for Christmas Trees/Conifer Plantations and Nurseries:**

Mix Banter 4 Miticide in water. Apply 12-16 fluid ounces of Banter 4 Miticide per acre in 100-400 gallons of water. The actual spray volume will vary depending of the size of trees being treated. Make application as soon as mites appear. Use 12 fluid ounces per acre for light infestations. The rate of 16 fluid ounces per acre may be needed for heavy infestations or for extended residual control (for up to 28 days).

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a dry location.

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

#### **CONTAINER HANDLING:**

Nonrefillable containers equal to or less than 5 gallons. Do not reuse or refill this container. 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 container 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. If pressure rinsing, 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. Then offer for recycling or reconditioning, or puncture and dispose of container in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances.

Nonrefillable containers greater than 5 gallons. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer container for recycling, reconditioning, or puncture and dispose of container in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances.

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The Directions for Use of this product reflect the opinion of experts based on field use and tests, and must be followed carefully. 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 manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of United Phosphorus, Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of United Phosphorus, Inc. and Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User,

and Buyer and User agree to hold United Phosphorus, Inc. and Seller harmless for any claims relating to such factors.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, UNITED PHOSPHORUS, INC. AND SELLER MAKE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ON THIS LABEL.

To the extent consistent with applicable law, United Phosphorus, Inc. or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product and THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF UNITED PHOSPHORUS, INC. AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF UNITED PHOSPHORUS, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.

United Phosphorus, Inc. and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by the duly authorized representative of United Phosphorus, Inc.

#### [Sublabel B – Non agricultural uses]

GROUP 20D ACARICIDE

### **BANTER<sup>TM</sup> 4 Miticide**

# KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID		
IF SWALLOWED:	<ul> <li>Call 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 the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>	
IF INHALED:	<ul> <li>Move person to fresh air.</li> <li>If the person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>	

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical assistance, call the Rocky Mountain Poison and Drug Center at 1-866-673-6671.

For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC at 1-800-424-9300.

NET CONTENTS:	Gallons

United Phosphorus, Inc. 630 Freedom Business Center, Suite 402 King of Prussia, PA 19406 1-800-438-6071 EPA Reg. No. 70506-322 EPA Est. No. \_\_\_\_\_

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Harmful if inhaled. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### **Applicators and Other Handlers Must Wear:**

- Long-sleeved shirt and long pants;
- Shoes plus socks, and
- For mixing and loading activities when not using a closed system, wear an apron and chemicalresistant gloves made of barrier laminate, polyethylene, butyl rubber (≥ 14 mils), nitrile rubber (≥ 14 mils), neoprene rubber (≥ 14 mils), natural rubber (≥ 14 mils), polyvinyl chloride (≥ 14 mils), or Viton (≥ 14 mils).

Follow manufacturer's instructions for cleaning and 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:

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

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to birds, aquutic invertebrates and fish. 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 washwaters or rinsate. This product is moderately toxic to bees and other pollinating insects exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product if bees or other pollinating insects are foraging the treatment area.

#### PHYSICAL-CHEMICAL HAZARDS

Do not store with or use near oxidizing agents. Hazardous chemical reactions may occur.

#### **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 agency responsible for pesticide regulation.

#### 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.

#### **ORNAMENTALS**

For control of a variety of mites including spider mites, red mites and grass mites on many varieties of ornamental plants. Banter 4 Miticide is not effective against rust mites, broad mites and flat mites. Banter 4 Miticide is primarily active on the motile stages of mites, but also has activity against spider mite eggs. Banter 4 Miticide provides knockdown of mites through contact activity and provides long residual control. Banter 4 Miticide is relatively inactive against beneficial and predacious mites and insects, making it compatible with Integrated Pest Management (IPM) and resistance management programs.

#### **Mites Controlled:**

Avocado brown (Oligonychus punicae)

Bamboo spider (Schizotetranychus celarius (Banks)

Banks grass (Oiligonychus pratensis)

Brown almond (Bryobia rubrioculus)

Citrus red (Panonychus citri (McGregor)

Clover (Bryobia praetiosa (Koch)

European red (Panonychus ulmi (Koch) (use maximum rate specified on this label for ornamentals)

Lewis (*Eotetranychus lewisi*)

McDaniel Tetranychus mcdanieli (McGregor)

Pacific spider (Tetranychus pacificus (McGregor)

Pecan leaf scorch (Eotetranychus hicoriae (McGregor)

Persea (Oligonychus perseae)

Sixspotted (Eotetranychus sexmaculatus)

Southern red mite (Oligonychus ilcis (McGregor)

Spruce spider mite (Oligonychus ununguis (Jacobi)

Strawberry spider (Tetranychus turkestani)

Two-spotted spider (Tetranychus urticae (Koch)

Williamette (Eotetranychus willamettei)

#### **Permitted Ornamental Uses:**

- All herbaceous, deciduous, and evergreen ornamental plants, including bedding plants, flowering plants, foliage plants, ornamental bulb crops, perennials, trees and shrubs.
- All non-bearing fruit trees which will not bear fruit for a minimum of 12 months.

• Greenhouse tomatoes. Do not apply this product according to these directions for ornamental uses to tomatoes which are not grown in greenhouses.

BANTER 4 Miticide can be used in the following areas where these plants are grown and/or maintained:

- Greenhouses and Shadehouses
- Nursery
- Christmas tree/conifer Plantations
- Landscapes
- Interiorscapes
- Residences
- Public, commercial, industrial and institutional areas
- Recreational sites, such as campgrounds, golf courses, parks and athletic fields
- Rights of way and other easements.

Plant tolerance: The **DIRECTIONS FOR USE** on this label reflect the cumulative inputs from both historical field use and product testing programs. However, it is impossible to test this product on all species and cultivars. A preliminary trial is suggested on a small scale before a full treatment is applied.

#### Use Rates:

Mix 2 to 4 fl ozs BANTER 4 Miticide in 100 gallons of water and apply as a full coverage spray to the foliage using a volume of 1-4 qts of final solution per 100 sq. ft or 100-400 gallons per acre. Actual spray volume will vary depending on the species and size of plants being treated.

For use in a backpack or hand sprayer, Mix 1/8 to ½ teaspoons per gallon of water and apply as a full coverage spray to the foliage. This product can be applied with all types of hand sprayers. Read and carefully follow the instructions for the type of sprayer you use.

Use the lowest specified rate for preventative applications where infestations are light. The highest specified rate may be required for heavy infestations or for extended residual control.

For optimum coverage of ornamentals with hard—to-wet foliage, an adjuvant can be added to the BANTER 4 Miticide/water solution. Those found to be effective are Silwet L-77 or Sylgard 309 at 4 oz per 100 gallons of water. Do not use adjuvants in solutions applied to greenhouse tomatoes. Users should test safety and compatibility of all adjuvants prior to commercial use. Do not use adjuvants in solutions applied to greenhouse tomatoes.

#### **Mixing Instructions:**

Fill spray tank with 1/2 the desired amount of water. Add BANTER 4 Miticide with agitation running to fully disperse the product. Then fill the tank with the remaining amount of required water.

Like many pesticides, BANTER 4 Miticide stability can be impacted by high pH and high temperature. Maintain spray mixtures containing BANTER 4 Miticide within a range of pH 5.5 to 6.5.

**Restrictions:** Tank mixtures are permitted only in states where all of the pesticide products used as tank-mix partners are registered. It is the pesticide user's responsibility to ensure that all pesticide products used

in the tank mix are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

**Compatibility:** To obtain broad-spectrum insect control. BANTER 4 Miticide can be tank-mixed with other insecticide products. However, due to variations in water quality, e.g., hardness and pH, it is required that users conduct small-scale trials under local conditions to ensure compatibility prior to any large-scale use.

#### **Application Timing:**

Make application as soon as mites appear as BANTER 4 Miticide will provide residual control for up to 28 days.

Banter 4 Miticide is not systemic in action; therefore complete coverage of both upper and lower leaf surfaces is necessary for effective control.

#### **USE RESTRICTIONS:**

For greenhouse tomatoes, do not apply within 3 days of harvest. Do not make more than 2 applications of BANTER 4 Miticide per crop per 12 month period.

Do not apply more than 16 fl oz. (0.50 lbs ai) of BANTER 4 Miticide per acre, per 12 month period.

BANTER 4 Miticide may be applied to ornamentals by using the following types of ground equipment: compressed air sprayers, hydraulic sprayers, ground boom sprayers, air blast sprayers, and hose end sprayers.

#### STORAGE AND DISPOSAL

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

#### **CONTAINER HANDLING:**

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Banter 4 Miticide Label amendment – clean copy April 21, 2017

Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold United Phosphorus, Inc. and Seller harmless for any claims relating to such factors.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, UNITED PHOSPHORUS, INC. AND SELLER MAKE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ON THIS LABEL.

To the extent consistent with applicable law, United Phosphorus, Inc. or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product and THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF UNITED PHOSPHORUS, INC. AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF UNITED PHOSPHORUS, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.

United Phosphorus, Inc. and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by the duly authorized representative of United Phosphorus, Inc.

REV. 04/21/2017