



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 12, 2022

Kim Davis
Authorized Agent to Becker Microbial Products, Inc.
c/o RegWest Company LLC
8209 West 20th St., Suite B
Greeley, CO 80634-4699

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – To Add an Alternate Brand Name and Logo, Make Minor Corrections, and Make Other Changes Requested by the EPA (e.g., Update the Precautionary Statements, Personal Protective Equipment, Environmental Hazards Statements, and Storage and Disposal Instructions)
Product Name: BMP 123 (48 LC)
EPA Registration Number: 62637-6
EPA Receipt Date: 05/13/2021
Action Case Number: 00302107

Dear Ms. Davis:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

The alternate brand name KurVantage Liquid has been added to the registration, and our records have been updated accordingly. This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or 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 (1) copy of the final printed labeling before you release this 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 your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the 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 EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA’s Office of Enforcement and Compliance Assurance.

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Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Hannah Dean via email at dean.hannah@epa.gov.

Sincerely,

**Susanne
Cerrelli**  Digitally signed by
Susanne Cerrelli
Date: 2022.04.12
09:24:20 -04'00'

Susanne Cerrelli, Risk Manager
Microbial Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511M)
Office of Pesticide Programs

Enclosure

BMP 123 (48 LC)

{Alternate Brand Name:} [KurVantage Liquid]

ACTIVE INGREDIENT:

Bacillus thuringiensis subspecies *kurstaki* Strain BMP 123

solids, spores and insecticidal toxins* 12.00%

OTHER INGREDIENTS 88.00%

TOTAL 100.00%

*Equivalent to 10,750 Cabbage Looper Units per milligram (or 48 Billion Cabbage Looper Units per gallon). Potency units should not be used to adjust rates beyond those specified in the Directions for Use section. **Note:** The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

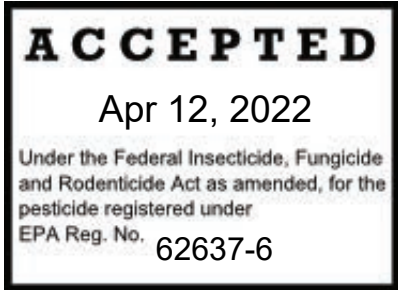
**Keep Out of Reach of Children
CAUTION**

FIRST AID	
If on skin or clothing	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> 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 treatment advice.
If in eyes	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
[HOTLINE NUMBER]	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including general health concerns or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378, Monday through Friday, 8 am to 12 pm Pacific time. In the event of a medical emergency, call your poison control center at 1-800-222-1222.	

See back panel for additional Precautionary Statements and Directions for Use.

EPA Reg. No. 62637-6 Net Contents: _____
 EPA Est. _____ Batch Code: _____

Manufactured for:
Becker Microbial Products, Inc.
 11146 NW 69th Place
 Parkland, FL 33076



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION: Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR Part 170) – in general, agricultural plant uses – must wear: long-sleeved shirt and long pants, waterproof gloves, protective eyewear and shoes plus socks. Mixers/loaders and applicators must wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any R or P filter; OR a NIOSH-approved powered air-purifying respirator with an HE filter. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization. Follow manufacturer's instructions for cleaning and maintaining PPE. If there are no such instructions for washables, use detergent and hot water. 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 WSP. **IMPORTANT:** When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.

USER SAFETY RECOMMENDATIONS: 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 uses: Do not apply directly to water, 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. This product must not be applied aerially within 1/4 mile of any habitats of endangered or threatened Lepidoptera. No manual application can be made within 300 feet of any threatened or endangered Lepidoptera.

DIRECTIONS FOR USE

It is a violation of Federal law to apply this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval (REI). 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.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is: coveralls, waterproof gloves, protective eyewear and shoes plus socks.

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator and the grower are responsible for considering all of these factors when making decisions.

BMP 123 (48 LC) is a microbial larvicide for use against the listed lepidopterous insects. Close scouting and early attention to insect infestations are recommended. BMP 123 (48 LC) must be ingested to be effective. For effective treatment, follow the directions below:

1. Larvae must be actively feeding on exposed plant parts.
2. Applications must be made when larvae are in early instars before extensive crop damage occurs. For the control of mixed insect populations or overlapping generations, use BMP 123 (48 LC) in combination with another approved insecticide.
3. Thorough spray coverage with BMP 123 (48 LC) is required for consistent control. Spray nozzles and volume applied will vary depending on crop and pest. Under heavy pressure, higher rates, increased gallonage, and shorter spray intervals will improve crop coverage and pest control.
4. Repeat applications at 3-14 day intervals to maintain control. This will depend on weather, plant growth rate, and insect activity.
5. In applications on hard to wet crops such as cole crops, addition of a spreader sticker approved for use on growing and harvested crops will improve coverage and weathering properties.
6. Unless otherwise indicated, use at least two (2) gallons of water per acre except in California where five (5) to ten (10) gallons of water are typically used.
7. Apply BMP 123 (48 LC) as a pre-harvest treatment to raw agricultural commodities.
8. Do not apply this product through any kind of irrigation system.

Apply BMP 123 (48 LC) in conventional aerial or ground equipment with sufficient water to provide thorough coverage. Add an approved spreader/sticker to the mix tank after BMP 123 (48 LC) has been mixed with the appropriate amount of water.

Application Rates

Crop	Pest	Pints/Acre
Vegetables and commercial crops of the following groups:	Loopers	1.3 to 2.6
	Hornworms	1.3 to 2.6
Root and Tuber	Imported Cabbageworms	1.3 to 2.6
Leaves of Root and Tuber	Diamondback Moth	1.3 to 4
Bulb	Green Cloverworm	1.3 to 2.6
Leafy	Webworms	1.3 to 2.6
Brassica (Cole Leafy)	Armyworms*	1.3 to 5.4
Legume	Saltmarsh Caterpillar	1.3 to 2.6
Foliage of Legume	<i>Heliothis (Helicoverpa) spp.</i> **	1.3 to 5.4
Fruiting	Cutworms	1.3 to 2.6
Cucurbit (melons, squash, cucumbers, etc.)	Pickleworm	2 to 4
	Melonworm	2 to 4
	Rindworm Complex***	1.3 to 4

*Apply BMP 123 (48 LC) to suppress 1st and 2nd Instar armyworm larvae when populations are light and full coverage ground applications are used.

**Tobacco Budworm, Tomato Fruitworm, Corn Earworm. On tomatoes apply weekly in a preventative program.

***Apply weekly in a preventative program.

Crop	Pest	Pints/Acre
Sunflowers	Loopers	1.3 to 2.6
Peanuts	Green Cloverworms	1.3 to 2.6
Safflower	Velvetbean Caterpillar	1.3 to 2.6
Mint	Podworms*	1.3 to 2.6
Canola	Armyworms*	1.3 to 5.4
Rape	Diamondback Moth	1.3 to 4
Cereal Grains	Saltmarsh Caterpillar	1.3 to 2.6
Amaranth	Hornworms	0.7 to 1.3
Jojoba	<i>Helicoverpa</i> spp.**	1.3 to 2.6
Okra		
Pawpaw		
Lentils		

* Apply BMP 123 (48 LC) to suppress podworm and armyworms in an integrated pest management program.

**Suppression only.

Crop	Pest	Pints/Acre
Artichokes	Artichoke Plume Moth	1.3 to 3.3
	Armyworms	1.3 to 5.4
	Loopers	1.3 to 3.3
Cotton	Tobacco Budworm*	1.3 to 5.4
	Cotton Bollworm*	1.3 to 5.4
	Loopers	1.3 to 2.6
	Cotton Leaf Perforator	1.3 to 2.6
	Cotton Leafworm	1.3 to 2.6
	Saltmarsh Caterpillar	1.3 to 2.6
	Armyworms	1.3 to 5.4

*Use in conjunction with regular scouting in an integrated pest management program when beneficial insects are present. Apply against light to moderate populations of 1st and 2nd instar larvae. Repeat applications at 3 to 5 day intervals as required and as long as population suppression is satisfactory. For added control of budworms and bollworms, tank mix BMP 123 (48 LC) with an approved ovicide. Use of the resulting tank mix must be in accordance with the most restrictive of label limitations and precautions.

Crop	Pest	Pints/Acre
Tobacco	Tobacco Budworm	1.3 to 5.4
	Hornworm	0.7 to 1.3
	Loopers	1.3 to 2.6

Apply BMP 123 (48 LC) in conjunction with sucker control products at the recommended label rates. Observe label precautions for all products used. Apply BMP 123 (48 LC) as necessary to maintain control.

Crop	Pest	Pints/Acre
Greenhouse	Loopers	0.7 to 1.3
Flowers	Tobacco Budworm	0.7 to 1.3
Ornamentals	Omnivorous Looper	0.7 to 1.32
Bedding Plants (Ground Only)	Omnivorous Leafroller	0.7 to 1.3
	Diamondback Moth	1.3 to 2.6
	Armyworms	1.3 to 5.4
	Eilo Moth (Hornworm)	0.7 to 1.3
	Lo Moth	0.7 to 1.3

Oleander Moth	0.7 to 1.3
Azalea Caterpillar	0.7 to 1.3

Crop	Pest	Pints/Acre
Pastures, Cereal Grain, Forage, Fodder, Straw, Grass and nongrass commodities	Loopers Alfalfa Caterpillar European Skipper Armyworms	1.3 to 2.6 1.3 to 2.6 0.4 to 0.7 2.6 to 5.4

Rangeland	Rangeland Caterpillars*	0.7 to 2.6
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*Apply in a minimum of 1/2 to 1.0 gallon of water per acre.

Crop	Pest	Pints/Acre
Turf	Sod Webworm	2 to 4

Crop	Pest	Pints/Acre	
		Ground*	Air**
Forest	Gypsy Moth	1.3 to 5.4	1.3 to 5.4
Shade Tree	Eastern Tent Caterpillar	0.7 to 1.3	0.7 to 1.3
Shrubs	Spruce Budworm	1.3 to 4	1.3 to 4
Ornamentals	Douglas Fir Tussock Moth	0.7 to 2.6	0.7 to 2.6
Sugar Maple Trees	Western Tussock Moth	0.7 to 1.3	0.7 to 1.3
	Browntail Moth	0.7 to 1.3	0.7 to 1.3
	Bagworm	0.4 to 0.75	0.4 to 0.75
	Spring and Fall Cankerworm	0.7 to 1.3	0.7 to 1.3
	Elm Spanworm	0.7 to 1.3	0.7 to 1.3
	Fall Webworm	0.7 to 1.3	0.7 to 1.3
	California Oakworm	0.7 to 1.3	0.7 to 1.3
	Redhumped Caterpillar	0.7 to 1.3	0.7 to 1.3
	Pine Butterfly	1.3 to 2	1.3 to 2
	Blackheaded Budworm	1.3 to 2	1.3 to 2
	Jack Pine Budworm	1.3 to 2.5	1.3 to 2.6
	Mimosa Webworm	0.7 to 1.3	—
	Saddle Prominent Caterpillar	0.7 to 1.3	0.7 to 1.3
	Saddleback Caterpillar	0.7 to 1.3	0.7 to 1.3
Fruittree Leafroller	1 to 2	—	
Forest Tent Caterpillars	0.7 to 2	0.7 to 2	

*Ground applications are made at the rate of 100 gallons of water per acre for hydraulic sprayers. For mist blowers, mix the applicable amount in ten (10) gallons of water.

**Use 1/2 to ten (10) gallons of water depending on the type and density of tree.

Crop	Pest	Pints/Acre
Grapes	Loopers	1.3 to 2.6
Small Fruits	Grape Berry Moth*	1.3 to 2.6
Berries	Grapeleaf Skeletonizer*	1.3 to 2.6
Hops	Grape Leafroller	1.3 to 2.6
	Saltmarsh Caterpillar*	1.3 to 2.6
	Achemia Sphinx Moth*	0.7 to 2.6
	Omnivorous Leafroller*	1.3 to 2.6
	Blueberry Leafroller	0.7 to 2.6

Cherry Fruitworm	0.7 to 1.3
Fruittree Leafroller	0.7 to 2.6
Gypsy Moth	1.3 to 2.6
Green Fruitworm	0.7 to 2.6
Orange Tortrix	1.3 to 2.6
Grape Leafroller	0.7 to 2.6
Spotted Cutworm	1.3 to 2.6
Armyworms**	1.3 to 5.3
Tobacco Budworm	1.3 to 5.3

*Application by ground only.

**Apply BMP 123 (48 LC) to suppress 1st and 2nd instar armyworm larvae when populations are light and full coverage ground applications are used.

Crop	Pest	Pints/Acre	
		Ground	Air
Stone Fruits	Tent Caterpillars	1.3 to 2.6	1.3 to 2.6
Nut Trees	Cankerworms	0.7 to 1.3	0.7 to 1.3
Pomegranates	Fall Webworm	1.3 to 2.6	1.3 to 2.6
	Walnut Caterpillar	0.7 to 2.6	0.7 to 2.6
	Redhumped Caterpillar	1.3 to 2.6	1.3 to 2.6
	Omnivorous Leafroller	0.7 to 2.6	—
	Citrus Cutworm	1.3 to 2.6	1.3 to 2.6
	Filbert Leafroller	1.3 to 2.6	1.3 to 2.6
	Filbert Webworm	1.3 to 2.6	1.3 to 2.6

Crop	Pest	Pints/Acre	
		Ground	Air
Pome Fruits*	Gypsy Moth	1.3 to 4	1.3 to 4
	Cankerworms	0.7 to 1.3	0.7 to 1.3
	Tent Caterpillars	1.3 to 2.6	1.3 to 2.6
	Tufted Apple Budmoth	1.3 to 2.6	—
	Variegated Leafroller	1.3 to 2.6	—
	Redbanded Leafroller	1.3 to 2.6	—
Citrus**	Fruittree Leafroller	1.3 to 2.6	—
	Citrus Cutworm	1.3 to 2.6	1.3 to 2.6
	Orangedog	0.7 to 1.3	—
Avocado	Loopers	1.3 to 4	1.3 to 4
	Orange Tortrix	1.3 to 4	1.3 to 4
	Omnivorous Looper	1.3 to 2.6	1.3 to 2.6
	Amorbia	2.6	—

Crop	Pest	Pints/Acre Ground
Tropical Fruits***		
Papayas	Hornworm	1.3 to 2.6
Mangoes	Leafrollers	1.3 to 2.6
Kiwi	Omnivorous Looper	1.3 to 2.6
Persimmons	Loopers	1.3 to 2.6
Pomegranates		

Bananas****

Banana Skipper

1 to 2.6

*Apply BMP 123 (48 LC) in 50-500 gallons of water per acre for pest suppression in pest management programs.

**Apply in 100 to 400 gallons of water per acre.

***Apply at least 200 gallons of water per acre.

****Hawaii only. Ground equipment only. Apply to the point of runoff.

{For containers less than or equal to 5 gallons:}

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool (59-86°F; 15-30°C), dry place.

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

Container Handling: Nonrefillable container. Do not reuse or refill this container. Triple 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

{For containers greater than 5 gallons:}

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool (59-86°F; 15-30°C), dry place.

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

Container Handling: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) container promptly after emptying. Triple rinse as follows: Empty the 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 for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

NOTICE TO USER

To the extent consistent with applicable law, seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. To the extent consistent with applicable law, user assumes all risks of use, storage or handling not in accordance with label instructions.

{Logo}



[] Denotes alternate/optional language

{ } Denotes language that does not appear on the market label