


PM.90

63950-3

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Please read Instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 11-30-93

(A) 	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> 15	<b>Registration Amendment Other</b>	OPP Identifier Number <b>190632</b>
		<input type="checkbox"/>		
		<input checked="" type="checkbox"/> X		

**Application for Pesticide:****Section I**

1. Company/Product Number <b>63950-3</b>	2. EPA Product Manager <b>Denise Greenway</b>	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>Blue Circle™ Liquid</b>	PM#	
5. Name and Address of Applicant (Include ZIP Code) <b>Stine Microbial Products 2225 Laredo Trail Adel, IA 50003</b> <input type="checkbox"/> Check if this is a new address	6. <b>Expedited Review.</b> In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:  EPA Reg. No. _____ Product Name _____	

**Section II**

<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below.

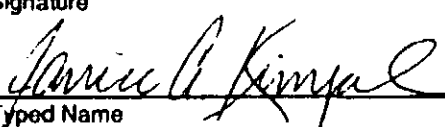
**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Notification, under Reduced REI policy, of label revision pursuant to PR Notice 95-3. (Informational letter, certification statement and copies of revised label attached)

**Section III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted.		If "Yes," Unit Package wgt.	No. per container	If "Yes," Package wgt.	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner In Which Label Is Affixed To Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other (_____)	

**Section IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name <b>Janice A. Kimpel 1241 Trailwood Drive Watkinsville, GA 30677</b>	Title <b>Consultant and Registered Agent</b>	Telephone No. (Include Area Code) <b>(706)-542-5929</b>
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment both under applicable law.		6. Date Application Received  (Stamped)
2. Signature 	3. Title <b>Consultant and Registered Agent</b>	
4. Typed Name <b>Janice A. Kimpel</b>	5. Date <b>December 28, 1995</b>	

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# BLUE CIRCLE™ LIQUID

## MASTER LABEL

(Has both fungicidal and nematocidal uses)

US Patents 4,798,723 and 5,264,210

**Active Ingredient:**

*Burkholderia (Pseudomonas) cepacia* type Wisconsin containing  
at least  $8.8 \times 10^9$  viable cells/fl. oz. ....0.6% (by wt)

Inert Ingredients:.....99.4% (by wt)

Total.....100.0% (by wt)

**KEEP OUT OF REACH OF CHILDREN**

### CAUTION

**DIRECTIONS FOR USE:** See Additional Labeling Booklet

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.

#### AGRICULTURE USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to additional labeling under "Agricultural Use Requirements" in the Directions for Use section in the Labeling Booklet for information about this standard.

Manufactured by: Stine Microbial Products  
2225 Laredo Trail  
Adel, IA 50003

EPA Establishment Number: 7173-WI-003

EPA Registration Number: 63950-3

NET CONTENTS: X XXXXXX  
NOT FOR SALE OR USE AFTER: XX/XX/XX

# BLUE CIRCLE™ LIQUID MASTER LABEL LABELING BOOKLET

## 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.

### AGRICULTURE USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 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 Shoes plus socks

## PRECAUTIONARY STATEMENTS:

### HAZARDS TO HUMANS (& DOMESTIC ANIMALS)

#### CAUTION

Personal Protective Equipment (PPE): Applicators and other handlers must wear: A. Long-sleeved shirt and long pants.  
B. Shoes plus socks. C. Protective eyewear. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

## ENVIRONMENTAL HAZARDS

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 by cleaning of equipment or disposal of equipment washwaters.

## STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

**PESTICIDE STORAGE:** BLUE CIRCLE LIQUID should be stored in original container until used. Container should be stored in a cool place between 35-75°F. This product contains live rhizobacteria. Avoid heat and sun.

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

**CONTAINER DISPOSAL:** Do not reuse empty container. Rinse thoroughly with a 10% solution of household bleach for 15 minutes. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**APPLICATION SITE:** Plant roots or seedling roots.

**TARGET PESTS:** Fungi that cause damping-off disease (*Rhizoctonia*, *Pythium* and *Fusarium*) and disease caused by lesion nematode (*Pratylenchus*), spiral (*Helicorylenchus*), lance (*Hoplolaimus*) and sting (*Belonolaimus*) nematodes.

**TARGET CROPS:** Vegetables, Fruits, Nuts, Vine Crops, Herbs, Spices, Ornamentals, Greenhouse Crops, Turfgrasses, Flowers, Bulbs and Field Crops.

<b>DOSAGE RATES:</b>	For Chemigation:	1 pint (0.5 liters) per acre
	For seedling transplant drenches:	1 pint per 100 gallons water (1 tsp/gal)
	For turfgrasses:	2 to 4 pints per acre

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**BLUE CIRCLE LIQUID MASTER LABEL  
LABELING BOOKLET**

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**FREQUENCY OF APPLICATION:** Early root colonization by BLUE CIRCLE LIQUID is important. Initial applications at seeding or transplant followed by two to six subsequent applications at four week intervals (except for turfgrasses) will provide the best results. Due to root mass concentration in turfgrasses, apply at 2 week intervals. Irrigate immediately after turfgrass application.

**APPLICATION:**

**CHEMIGATION**

Apply this product only through drip (trickle), furrow or border irrigation systems. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system, unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

**FOR CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS:**

1. 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.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) 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.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. 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.
5. 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.
6. 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.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

**FOR FLOOD (BASIN), FURROW AND BORDER CHEMIGATION:**

1. Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops.

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2. Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:
  - a. 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.
  - b. The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump
  - c. 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.
  - d. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
  - e. 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.
  - f. 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.

**FOR DRIP (TRICKLE) CHEMIGATION:**

1. 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.
2. The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.
3. 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.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. 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.
6. 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.

If a pesticide supply tank is used, agitation in the tank is recommended. For this application, BLUE CIRCLE LIQUID should be diluted just prior to application at the rate of 1 pint in 100 gallons water (0.5 liter in 400 liters water)

**DRIP IRRIGATION:** Inject undiluted BLUE CIRCLE LIQUID at the rate of 1 pint (0.5 liter) per acre or the supply tank mixture at the rate of 100 gallons (400 liters) per acre at the beginning of the irrigation.

**BANDING INTO SEED/SEEDLING BED AT PLANTING:** Mix 1 pint undiluted BLUE CIRCLE LIQUID in 100 gallons water (0.5 liter in 400 liters water). Spray (maximum seven inch band) or dribble at a rate of fifty to one hundred (50-100) gallons per acre into seed furrow.

**SEEDLING TRANSPLANT DRENCH:** Inject undiluted BLUE CIRCLE LIQUID into the drench water at the rate of 1 pint per 100 gallons water (0.5 liters per 400 liters water), or prepare drench water by mixing 1 pint BLUE CIRCLE LIQUID per 100 gallons water (0.5 liter per 400 liters water). Drench root ball thoroughly just after seeding to just prior to transplanting and/or just after transplanting