

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

June 24, 2008

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Alice Walker, Ph.D. Agent for Stoller Enterprises, Inc. 3094 Country Club Road Senatobia, MS 38668

Subject:

Product Name: X-Cyte Plus

EPA Reg. No: 57538-25

Application for Label Notification Dated May 9, 2008 to Update

Container Disposal Language per PRN 2007-4

Dear Dr. Walker:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under 98-10 dated above. A preliminary screen of this request has been conducted for its applicability under PRN 98-10 and it has been determined that the action(s) requested falls within the scope of PRN 98-10. Our records have been duly noted, and the label submitted with this application has been stamped "Notification, received and reviewed" and will be placed accordingly in our records.

Questions concerning this action should be directed to Ms. Diana Hudson at (703) 308-8713 or email at hudson.diana@epa.gov.

Sincerely,

Linda Hollis

Linda Hollis, Chief Biochemical Pesticides Branch Biopesticides and Pollution Prevention Division (7511P)

Please read instructions on reverse before impleti	ng form.	Form Ap		2 7 9 70-0060. Approvel expires 2-28-95
SEPA Environmental Washing	ncy	Registrati Amendme ✓ Other	· · · · · · · · · · · · · · · · · · ·	
A	Application for F	Pesticide - Section	on I	
Company/Product Number 7538-25		Dr Linda Hollis		3. Proposed Classification
4. Company/Product (Name) X-Cyte Plus		PM# 91		
5. Name and Address of Applicant (Include ZIP Code) Stoller Enterprises, Inc., c/o Alice Walker Consulting 3094 Country Club Rd. Senatobia, MS 38668 Check if this is a new address		6. Expedited Reveiw. 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		
	Sec	tion - II		
Amendment - Explain below. Resubmission in response to Agency letter of Notification - Explain below. Explanation: Use additional page(s) if necessary Notification of new container disposal language per P consistent with the provisions of PR Notice 98-10 and confidential statement of formula of this product. I un understand that if this notification is not consistent with be subject to enforcement action and penalties under	Agency letter "Me Too" Ap Other - Expla ction II.) added the Chemtrec no. CFR 152.46, and no other tion of 18 U.S.C. Sec. 10 98-10 and 40 CFR 152.	Plication. Reviewe below Storage and I changes have been on to willfully make a	Disposal. This notification is a made to the labeling or the any false statement to EPA. I further	
be subject to emolection and penales under	·	tion - III		
Material This Product Will Be Packaged In:	080	1011 - 111	·	:
Child-Resistant Packaging Yes No * Certification must be submitted Unit Packaging Ves Ves Vas Ves Unit Packaging Unit Packaging wgt.	No. per container Packag			ontainer Metal Plastic Glass Paper Other (Specify)
3. Location of Net Contents Information	4. Size(s) Retail Contai	ner 5	. Location of Label	Directions
✓ Label Container	Container 1 gal., 2-1/2 gals.,		On label	
6. Manner in Which Label is Affixed to Product Lithograph Paper glued Stenciled		✓ Other	self-adhesive bo	ooklet
	Sect	ion - IV		
1. Contact Point	or identification of indiv	idual to be contacted, if	necessary, to proc	ess this application.)
Name Alice Walker, Ph.D.				elephone No. (Ínclúde Area Code) 62-562-5995 ွ ုင်း ု
I certify that the statements I have made on I acknowledge that any knowlingly false or reboth under applicable law. 2. Signature		accurate and comp a or imprisonment (
Cle Walke	3. Title Agent			
4. Typed Name Alice Walker, Ph.D.	5. Date	5-9-08		

NOTIFICATION

X-CYTETM Plus Date Reviewed: 62408

Reviewed By D. A

A Plant Growth Regulator and Yield Stimulant

ACTIVE INGREDIENT:

OTHER INGREDIENTS: 99.6% TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID		
If on skin or	Take off contaminated clothing.	
ćlothing	• Rinse skin immediately with plenty of water for 15-20 minutes.	
	Call a poison control center or doctor for treatment advice.	
If swallowed	Call a poison control center or doctor immediately for treatment advice.	
	Have person sip a glass of water if able to swallow.	
	• Do not induce vomiting unless told to do so by the poison control center or doctor.	
	Do not give anything by mouth to an unconscious person.	
	HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going		
for treatment.	You may also contact 1-800-539-5283 for emergency medical treatment information.	

See additional precautions on side or back panel.

EPA Reg. No. 57538-25

EPA Est. No. 57538-TX-2

NET CON	TENTS
Gallon(s)	Liters

Manufactured By STOLLER ENTERPRISES, INC. ::: 4001 W Sam Houston Pkwy N, Suite 100 Houston, Texas 77043 U.S.A. Toll Free 1-800-539:5283

Phone (713) 461-1493 • Fax (713) 461-4467 Web: www.stollerusa.com • E-mail: anfo@stollerusa.com

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

Personal Protective Equipment

Some materials that are chemical-resistant to this product are any waterproof material. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear

- long-sleeved shirt and long pants,
- chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, shoes plus socks.

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.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Environmental Hazards

For terrestrial uses: 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 and rinsate.

Exposed treated seed may be hazardous to birds and other wildlife. Treat only those seeds needed for immediate use and planting. Do not store excess treated seed beyond planting time. Dispose of all excess treated seed and seed packaging by burial away from streams and bodies of water.

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 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 pert 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 unless wearing the appropriate PPE.

3

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, wear: coveralls over long-sleeved shirt and pants, chemical-resistant gloves made of any waterproof material, and shoes plus socks.

CHEMIGATION

Application and Calibration Techniques for Sprinkler Irrigation

Apply this product only through the following types of irrigation systems: center pivot, traveler, big gun, motorized lateral move, end tow, side (wheel) roll, solid set, or hand move irrigation. Do not apply through any other types of irrigation systems. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Experiment Station 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.

- A. Center Pivot, Traveler, Big Gun, Motorized Lateral Move, End Tow, and Side (Wheel) Roll Irrigation Equipment: Operate system and injection equipment at normal pressures recommended by the manufacturer of injection equipment used. Fill tank of injection equipment with water. Operate system for one complete circle for center pivot or one complete run for the other recommended equipment, measuring time required, amount of water injected, and acreage contained in circle or run. Mix recommended amount of product for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run, but continue to operate irrigation system until product has been cleared from last sprinkler head. Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur.
- B. Solid Set and Hand Move Irrigation Equipment: Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a thirty to forty-five minute period. Mix desired amount of product for acreage to be covered into quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration. Provide constant mechanical agitation in the mix tank to insure that product will remain in suspension during the injection cycle. Product can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until pesticide is cleared from last sprinkler head.

Safety Devices for Sprinkler Chemigation

- (1) The systems designated above 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) All pesticide injection pipelines 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.
- (7) Do not apply when wind speed favors drift beyond the area intended for treatment.

Systems Connected to Public Water Sources

- (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 regular 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, back flow preventer (RPZ) or the functional equivalent in the water supply line upstream form 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 flow 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.
- (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.

GENERAL USE INSTRUCTIONS

For best results, apply X-CYTE Plus before noon or after four p.m. Use a spreader/sticker (surfactant), such as Natur'l Oil spray adjuvant. Before using, clean with disinfectant (bleach and water, etc.) any spigot or pump put into an X-CYTE Plus drum. Mix X-CYTE Plus with enough water to get thorough coverage of plant surfaces.

Compatibility: X-CYTE Plus is compatible with most other spray materials. If the tank mix combination has not been used previously, contact a Stoller representative or conduct a jar test to test for compatibility. Use a small jar and mix a small amount of spray, combining all ingredients in the same ratio as the anticipated use. If any indications of physical incompatibility develop, do not use this mixture for spraying. Indications of incompatibility usually will appear within 5 to 15 minutes after mixing. To ensure maximum crop safety and product performance, follow all precautions and limitations on this label and labels of products used in the tank mixture with X-CYTE Plus.

CROP USAGE - ALL CROPS FOR STRESS RELIEF

Use 1.6 fl. oz. X-CYTE Plus per acre (150 ml/hectare) any time a crop is prematurely dying down (loss of color) due to stress caused by one or more of the following conditions: weather (frost, drought, excessive moisture), salinity, insect infestation, fungus attack, and/or herbicide burn.

ALFALFA – 1.6 fl. oz./acre (150 ml/hectare)

1st application: After cutting with repeat sprays at 14 to 21 day intervals.

POME AND STONE FRUITS: Apple, Apricot, Cherry, Plum, Plumcot, Peach and Nectarine 1.6 to 3.2 fl. oz./acre (150 ml/hectare)

1st application: At full pink.

2nd application: At calyx (petal fall).

3rd application: 3 weeks after 2nd spraying.

4th application: 4 weeks before harvest.

ASPARAGUS – 1.6 to 3.2 fl. oz./acre (150 to 300 ml/hectare)

1st application: Spray crowns when growth begins. 2nd application: Spray crowns after each cutting.

BANANAS – 1.4 to 2.5 fl. oz./acre (120 to 215 ml/hectare)

To reduce stress: Apply when stress conditions are anticipated. Rates and timing must be determined for each site. Application should be at least 14 days apart using ground sprayers, aerial sprayers, or by plant injection.

BEANS - 0.8 to 1.6 fl. oz./acre (75 to 150 ml/hectare)

1st application: 4 to 5-inch stage.

2nd application: At early bloom.

3rd application: At early pod set.

CARROTS - 1.6 fl. oz./acre (150 ml/hectare)

1st application: At tuber initiation.

2nd application: 2-3 weeks after 1st spraying.

CELERY

1st application: Use 3.2 fl. oz. X-CYTE Plus per acre (300 ml/hectare) applied to the seed bed at time of seeding or up to 20 days thereafter.

2nd application: Use 3.2 fl. oz. X-CYTE Plus per acre (300 ml/hectare) at the time seedlings are transplanted: See

Transplanting instructions above.

3rd application: Use 1.6 fl. oz. X-CYTE Plus per acre (150 ml/hectare) 2-3 weeks after transplanting.

CITRUS FRUITS: Sweet Orange, Lemon, and Grapefruit 3 fl. oz./acre (220 ml/hectare)

1st application: 40 days before harvest

CORN - 1.6 to 3.2 fl. oz./acre (150 to 300 ml/hectare)

1st application: At the 1 to 1-1/2 foot stage.

2nd application: At tassel time.

COTTON - 1.6 fl. oz./acre (150 ml/hectare)

1st application: At pinhead square with repeat applications at 14 to 21 day intervals.

CRUCIFEROUS CROPS - 0.8 to 1.6 fl. oz./acre (75 to 150 ml/hectare)

(Cabbage, Broccoli, Cauliflower, Brussels Sprout)

1st application: 3 to 4-inch stage. Repeat at 10 to 14 day intervals.

CUCURBITS - 0.8 to 1.6 fl. oz./acre (75 to 150 ml/hectare)

(Cucumbers, Muskmelon, Cantaloupe, Watermelon, Honey Dew, Squash)

1st application: 4 to 8-inch stage.

2nd application: At early bloom.

3rd application: Start of fruiting.

GRAPES – 1.6 to 3.2 fl. oz. /acre (150 to 300 ml/hectare)

1st application: Between leafout and prebloom. 2nd application: At petal fall.

3rd application: 30 days before harvest.

PEANUTS - 1.6 fl. oz./acre (150 ml/hectare)

1st application: At pegging.

2nd application: 2-3 weeks after 1st spraying.

PEAS - 0.8 to 1.6 fl. oz./acre (75 to 150 ml/hectare)

1st application: 3 to 4-inch stage.

2nd application: Prebloom.

3rd application: At early pod set.

PEPPERS AND EGGPLANT - 0.8 to 1.6 fl. oz./acre (75 to 150 ml/hcctare)

1st application: Just prior to 1st bloom. 2nd application: 10 days after first spraying.

3rd application: 10 days after 2nd spraying.

PINEAPPLE – 3.2 to 9.5 fl. oz./acre (300 to 900 ml/hectare)

To reduce plant stress: Apply to vegetative growth according to climate and crop needs at the site of proposed application. Allow at least 14 days between applications.

To improve fruit growth: Apply post bloom according to climate and crop needs at the site of proposed application. Allow at least 14 days between applications.

POTATOES - 1.6 to 3.2 fl. oz./acre (150 to 300 ml/hectare)

1st application: At tuber set. The time of application is determined by pulling an average size plant in the field 4 weeks (and every 7 days thereafter if necessary) after planting. Observe the roots to see if tubers are forming. Anytime you see the small tubers forming, it is time for the 1st application. Usually tubers start to set 5 to 6 weeks after planting.

2nd application: At full blossom. Russet Burbanks, which do not show full blossom, should be sprayed 2-3 weeks after 1st spraying.

RADISH – 1.6 fl. oz./acre (150 ml/hectare)

Application: In furrow at planting.

RICE – 1.6 fl. oz./acre (150 ml/hectare)

1st application: At 2 to 5 leaf stage with repeat application 14 to 21 days later.

SORGHUM - 1.6 to 3.2 fl. oz./acre (150 to 300 ml/hectare)

1st application: At 2 to 5 leaf stage.

2nd application: At 8 to 12 leaf stage.

SOYBEANS – 1.6 fl. oz./acre (150 ml/hectare)

Application: At first bud formation.

SPINACH AND LETTUCE - 0.8 to 1.6 fl. oz./acre (75 to 150 ml/hectare)

1st application: 3 to 4-inch stage.

STRAWBERRIES – 3.2 fl. oz./acre (300 ml/hectare)

1st application: As a transplant solution. Use 3.2 fl. oz. X-CYTE Plus per acre (300 ml/hectare) or 1 part X-CYTE Plus to 10,000 parts water (approximately 1 tablespoon X-CYTE Plus to 10 gallons water) as a root dip and watering solution when transplanting.

2nd application: At prebloom. 3rd application: At petal fall. 4th application: After harvest.

SUGAR BEETS – 1.6 fl. oz./acre (150 ml/hectare)

1st application: At tuber initiation.

2nd application: 2-3 weeks after 1st spraying.

SWEET POTATOES AND YAMS - 1.6 fl. oz./acre (150 ml/hectare)

Application: In furrow at planting.

TOMATOES

1st application: Use 3.2 fl. oz. X-CYTE Plus per acre (300 ml/hectare) applied to the seed bed at time of seeding or up to 20 days thereafter.

2nd application: Use 3.2 fl. oz. X-CYTE Plus per acre (300 ml/hectare) or 1 part X-CYTE Plus to 10,000 parts water

(approximately 1 tablespoon X-CYTE Plus to 10 gallons water) as a root dip and watering solution when transplanting.

3rd application: Use 1.6 fl. oz. X-CYTE Plus per acre (150 ml/hectare) 2 to 3 weeks after 1st bloom.

WHEAT - 1.6 to 3.2 fl. oz./acre (150 to 300/hectare)

Application: 1-2 weeks before boot stage.

ORNAMENTAL TREES AND HERBACEOUS PLANTS

Apply 3.6 fl. oz. per acre (300 ml/hectare) in transplant water.

Apply 1.8 fl. oz per acre (150 ml/hectare) as a foliar spray when growth begins in the spring.

Apply 1.8 fl. oz per acre (150 ml/hectare) at bud burst.

Apply 1.8 fl. oz per acre (150 ml/hectare) at bud set.

Apply 1.8 fl. oz per acre (150 ml/hectare) at the end of summer to maintain color through autumn.

SEED TREATMENT

Use only on seeds for crops listed elsewhere on the label. Do not use treated seed for food, feed or oil purposes. Commercially treated seed must be labeled in accordance with the requirements of the Federal Seed Act and applicable State seed laws. An approved dye must be added to distinguish treated seed and prevent inadvertent use for food, feed, or oil purposes.

Per hundred weight of seed, dilute 6 ml X-CYTE Plus in equal amounts of water and mist spray on seed (0.13 ml/kg of seed). X-CYTE Plus can be poured/mixed on seed in hopper at planting.

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool place and out of direct sunlight.

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

CONTAINER DISPOSAL: Use label language appropriate for container size and type.

Nonrefillable containers. Do not reuse or refill this container. Clean container promptly after emptying.

Nonrefillable container equal to or less than 5 gallons. 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 ½ 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 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.

Nonrefillable container greater than 5 gallons. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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 of disposal. Repeat this procedure two more times. 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.

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure or accident, call CHEMTREC 1-800-424-9300.

WARRANTY STATEMENT: To the fullest extent permitted by law, neither the manufacturers nor the seller make any warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use of this material when such use is contrary to label instructions. Read and follow the label directions carefully.