57538-44 1/16/2014 1/8

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division
(7511P)
1200 Pennsylvania Avenue NW
Washington, DC 20460

EPA Reg. Number:	Date of Issuance:
57538-44	JAN 16 2014
Term of Issuance:	Unconditional

NOTICE OF PESTICIDE:

__X__ Registration ____ Re-registration
(under FIFRA, as amended)

Name of Pesticide Product:
Stimulate™ Flower Fertility

Name and Address of Registrant (include ZIP Code):
Stoller Enterprises, Inc.
4001 W. Sam Houston Parkway, North, Ste.# 100
Houston, TX 77043

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product, always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his or her motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This registration does not eliminate the need for continual reassessment of the pesticide. If the EPA determines at any time, that additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under section 3(c)(2)(B) of FIFRA.

The product is registered in accordance with FIFRA section 3(c)(5) and is subject to the following terms and conditions:

1. Submit and/or cite all data required for registration of your product under FIFRA section 3(c)(5) and section 3(g) when the Agency requires all registrants of similar products to submit such data.
2. Submit an acceptable data package within 18 months of the date of registration for the following Guideline Studies: OPPTS 830.6320 (Corrosion Characteristics) and OPPTS 830.6317 (Storage Stability).
3. Make the following label change before you release the product for shipment: Revise the EPA Registration Number to read, "EPA Reg. No. 57538-44."
4. Submit two (2) copies of the revised final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of the final printed label.

If these conditions are not complied with, the registration will be cancelled in accordance with FIFRA sec. 6(b). Your release for shipment of the product constitutes acceptance of this condition. A stamped copy of the label is enclosed for your record.

Signature of Approving Official:

J. E. Leahy Jr. Acting

John Leahy, Associate Director
Biopesticides and Pollution Prevention Division

Date: 1/16/14

EPA Form 8570-6

STIMULATE – FLOWER FERTILITY

ACTIVE INGREDIENTS:	
Cytokinin (as kinetin)	0.005%
Gibberellic acid	0.002%
Indole-3-butyric acid	0.005%
Indole-3-acetic acid	0.009%
OTHER INGREDIENTS:	99.979%
Total	100.000%

This product contains: 0.001488 grams cytokinin, 0.001038 grams gibberellic acid, 0.001488 grams indole-3-butyric acid, and 0.002679 grams indole-3-acetic acid per fluid ounce.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If in eyes	• 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.
If on skin or clothing	• 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.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time (NPIC web site: www.npic.orst.edu).	

See additional Precautionary Statements on left panel.

EPA Reg. No. 57538-

ACCEPTED

JAN 16 2014

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 57538-44

EPA Est. Nos. 57538-FL-1, 57538-TX-1, 57538-TX-2

Read attached label before using.

Manufactured By
STOLLER ENTERPRISES, INC.
4001 W Sam Houston Pkwy N, Suite 100
Houston, Texas 77043 U.S.A.
Phone (713) 461-1493 Fax (713) 461-4467
Web: www.keylate.com E-mail: stoller@keylate.com

☐ 1 Gallon (8.4 lbs.) ☐ 1 quart (2.1 lbs.)
☐ 1 pint (1.05 lbs.)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if inhaled. Avoid breathing vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Remove and wash contaminated clothing before reuse. Wear the appropriate Personal Protective Equipment (PPE).

PERSONAL PROTECTIVE EQUIPMENT

Waterproof gloves are sufficiently chemical-resistant for this product. 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 exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENT

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

ers should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 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 apply when weather conditions favor drift from treated areas. Do not apply where runoff is likely to occur. Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

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

e this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This ndard 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 appropriate PPE.

Exception: If the product is soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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, 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, and hand move irrigation equipment. 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 stems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for olic 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 Flower Fertility 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 Flower Fertility 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 Flower Fertility 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 Flower Fertility will remain in suspension during the injection cycle. Flower Fertility 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 Flower Fertility is cleared from last sprinkler head.

SAFETY DEVICES

(1) The systems designated above must contain a functional check valve, vacuum relief valve, and low pressure drain propriately 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

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. 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. 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.

For additional instructions on safety precautions, refer to statements (2), (3), (4) (6) and (7) in the section SAFETY DEVICES.

GENERAL INFORMATION

Flower Fertility is a biostimulant containing plant growth regulators. Flower Fertility enhances plant growth and development by stimulating cell division, cell differentiation and enlargement, nutrient uptake and nutrient utilization. It is especially effective when applied with foliar fertilizer, but it is also compatible with pesticides.

MIXING INSTRUCTIONS: Flower Fertility is water soluble and suitable for use in conventional liquid application systems including sprinkler irrigation systems. Shake Flower Fertility thoroughly and dilute in sufficient water to assure adequate, even coverage without producing excessive runoff. Agitate the spray mixture during application and apply within 12 hours of dilution.

Flower Fertility can be applied tank mixed with most insecticides, fungicides, herbicides and foliar fertilizers but must be the last addition to the spray mixture. 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 minute 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.

APPLICATION INSTRUCTIONS

Apply Flower Fertility (by ground or air) to foliage, diluted in 2 to 10 gallons of water per acre. Larger volumes of water may be used if not associated with excessive runoff. For best results, apply in the early morning or late evening. When applying Flower Fertility in a band or as a foliar-directed spray, reduce the application rate from the labeled broadcast rate in proportion to the percent of the field surface area covered by the foliar spray, but not below the minimum rate listed in the table.

Make a first application to the plants listed on the label after 10% of the flowers are set. A single application on plants with a single flowering (trees and vines) may be adequate. Several applications, at 14 day intervals, may be needed if the plant has a prolonged flowering period. These applications should be continued until all flowers are set. Apply at the rates indicated in the following tables.

VEGETABLES

Crop	Number of applications	Broadcast Spray Fl oz/acre	Broadcast Spray ml/ha	Band Spray Fl oz/acre	Band Spray ml/ha	Spray Application Timing
Beans	4	4	280	3	210	Begin applications at 10% flowering. Where indicated, repeat application every 14 days until last flowers are formed.
Corn, sweet	1	4	280			
Cucumber	3-4	4	280	3	210	
Melons	3-4	4	280	3	210	
Peppers	3-4	4	280	3	210	
Potatoes	3-4	4	280	3	210	
Squash	3-4	4	280	3	210	
Tomatoes	3-4	4	280	3	210	

FIELD CROPS

Crop	Number of applications	Broadcast Spray Fl oz/acre	Broadcast Spray ml/ha	Band Spray Fl oz/acre	Band Spray ml/ha	Spray Application Timing
Alfalfa	1	4	280			Begin applications at 10% flowering. Where indicated, repeat application every 14 days until last flowers are formed.
Barley	1	4	280			
Canola	2-4	4	280	3	210	
Corn	1	4	280			
Cotton	2-4	4	280	3	210	
Oats	1	4	280			
Peanuts	2-3	4	280	3	210	
Rice	1	4	280			
Sorghum	1	4	280			
Soybeans	3-4	4	280	3	210	
Wheat	1	4	280			

SMALL FRUITS, TREE NUTS AND FRUITS

Crop	Number of applications	Broadcast Spray FL oz/acre	Broadcast Spray ml/ha	Spray Application Timing
Almonds	1-2	6	420	Begin applications at 10% flowering. Where indicated, repeat application every 14 days until last flowers are formed
Apples	1-2	6	420	
Apricots	1-2	6	420	
Avocado	1-2	6	420	
Blueberry	1-3	6	420	
Cherry	1	6	420	
Citrus	1-2	6	420	
Figs	1-2	6	420	
Mangoes	1-2	6	420	
Strawberries	1-4	4	280	
Pecans	1-2	6	420	
Pistachios	1-2	6	420	
Walnuts	1-2	6	420	

NOTICE: FLOWER FERTILITY IS NOT A FERTILIZER. USE IN COMBINATION WITH A GOOD FERTILIZER PROGRAM WHERE INDICATED.

STORAGE AND DISPOSAL

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

Pesticide Storage: Do not store in direct sunlight. Avoid freezing temperatures.

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

Nonrefillabel 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 120 seconds after the flow begins to drip. Fill the container ¼ 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.

Nonrefillabel 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 or 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, Stoller Enterprises, Inc. warrants that the product conforms to the description on the label and is reasonably fit for the purposes set forth on the label, when used according to ections under normal use conditions. Neither this warranty nor any other warranty of merchantability or fitness for a ticular purpose, expressed or implied, extends to the use of this product contrary to the label instructions; the buyer assumes the risk of any such uses.