



U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Biopesticides and Pollution Prevention Division (7511P)  
 1200 Pennsylvania Ave., N.W.  
 Washington, D.C. 20460

**EPA Reg. Number:**

57538-52

**Date of Issuance:**

7/7/2016

**NOTICE OF PESTICIDE:**

Registration  
 Reregistration  
 (under FIFRA, as amended)

**Term of Issuance:**

Unconditional

**Name of Pesticide Product:**

Stimulate Flower Fertility Plus

**Name and Address of Registrant (include ZIP Code):**

Stoller Enterprises, Inc.  
 9090 Katy Freeway, Suite 400  
 Houston, TX 77055

**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 under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA or the Act).

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency (EPA). 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 the 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 product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration or registration review of your product when the EPA requires all registrants of similar products to submit such data.

**Signature of Approving Official:**

Andrew Bryceland, Team Leader  
 Biochemical Pesticides Branch  
 Biopesticides and Pollution Prevention Division (7511P)  
 Office of Pesticide Programs

**Date:**

7/7/2016

2. Make the following labeling change before you release this product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 57538-52.”
3. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.

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 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 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 Assurance.

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. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statement of Formula (CSF):

- Basic CSF dated 03/28/2016

Any CSFs other than those listed above are superseded.

If you have any questions, please contact Cody Kendrick of my team by phone at (703) 347-0468 or via email at [kendrick.cody@epa.gov](mailto:kendrick.cody@epa.gov).

Sincerely,



Andrew Bryceland, Team Leader  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure

# STIMULATE™ FLOWER FERTILITY PLUS

ACCEPTED

07/07/2016

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 57538-52

**ACTIVE INGREDIENTS:**

Cytokinin (as kinetin) .....	0.005%
Gibberellic acid .....	0.002%
Indole-3-butyric acid .....	0.005%
Indole-3-acetic acid .....	0.009%

<b>OTHER INGREDIENTS:</b> .....	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.

**CONTAINS NON-PLANT FOOD INGREDIENTS:**

- 0.005% Cytokinin
- 0.002% Gibberellic Acid
- 0.005% Indole-3-butyric Acid
- 0.009% Indole 3-acetic Acid

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>

## KEEP OUT OF REACH OF CHILDREN CAUTION

<b>FIRST AID</b>	
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If 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>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p>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: <a href="http://www.npic.orst.edu">www.npic.orst.edu</a>).</p>	

See additional Precautionary Statements on left panel.

EPA Reg. No. 57538-LE

Read attached label before using.

EPA Est. Nos. 057538-TX-2,  
57538-FL-1, 057538-IA-1

Not for Use in California

Manufactured By  
**STOLLER ENTERPRISES, INC.**  
 9090 Katy Freeway, Suite 400  
 Houston, Texas 77055 U.S.A.  
 Phone (713) 461-1493 Fax (713) 465-1533  
 Web: [www.stollerusa.com](http://www.stollerusa.com) E-mail: [info@stollerusa.com](mailto:info@stollerusa.com)

**Density:** 8.6 lbs/Gallon or 1.03 kg/Liter

- 1 Quart (2.15 lbs.)    1 Gallon (8.6 lbs.)    2.5 Gallons (21.5 lbs.)    5 Gallons (43 lbs.)  
 30 Gallons (258 lbs.)    55 Gallons (473 lbs.)    275 Gallons (2365 lbs.)  
 4 Liters (4. 21 kg)    10 Liters (10.3 kg)    20 Liters (20.6 kg)    208 Liters (214.24 kg)

## **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, 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**

Users 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 wash water or 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 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 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 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 STIMULATE FLOWER FERTILITY PLUS 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 STIMULATE FLOWER FERTILITY PLUS 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 STIMULATE FLOWER FERTILITY PLUS 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 STIMULATE FLOWER FERTILITY PLUS will remain in suspension during the injection cycle. STIMULATE FLOWER FERTILITY PLUS 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 STIMULATE FLOWER FERTILITY PLUS 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 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

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.

### MODE OF ACTION

STIMULATE FLOWER FERTILITY PLUS is a biostimulant containing plant growth regulators. STIMULATE FLOWER FERTILITY PLUS 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:** STIMULATE FLOWER FERTILITY PLUS is water soluble and suitable for use in conventional liquid application systems including sprinkler irrigation systems. Shake STIMULATE FLOWER FERTILITY PLUS 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.

STIMULATE FLOWER FERTILITY PLUS 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 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.

### APPLICATION INSTRUCTIONS

Apply STIMULATE FLOWER FERTILITY PLUS (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 STIMULATE FLOWER FERTILITY PLUS 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**

Crops	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 100% 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**

Crops	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 100% 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**

Crops	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	6	420	
Pecans	1-2	6	420	



Pistachios	1-2	6	420
Walnuts	1-2	6	420

NOTICE: STIMULATE FLOWER FERTILITY PLUS 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 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  $\frac{1}{4}$  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 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  $\frac{1}{4}$  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 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 directions under normal use conditions. Neither this warranty nor any other warranty of merchantability or fitness for a particular 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.