U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number: 57538-13

Date of Issuance: JUN 17 1993

Term of Issuance: Conditional

NOTICE OF PESTICIDE:
_x_ Registration
____ Reregistration

(under FIFRA, as amended)

Name of Pesticide Product: Stimulate Yield Enhancer

Name and Address of Registrant (include ZIP Code):

Stoller Enterprises, Inc.
8582 Katy Freeway
Houston, Texas 77024

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration 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 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 product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Revise the EPA Registration Number to read, "EPA Reg. No. 57538-13.

3. Submit five copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Signature of Approving Official:

Date: 6-17-93

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This acceptance of your label does not relieve you of any obligation to comply with the Worker Protection Standard (WPS). Under the WPS labeling regulations at 40 CFR part 156, subpart K, Section 156.200(c)(3), you are prohibited from distributing or selling any product within the scope of the WPS requirements after April 21, 1994, without amended labeling accepted by the Agency.

Sincerely,

Cynthia Giles-Parker
Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (H7505C)

STIMULATE

Yield Enhancer

Active Ingredients:	
Cytokinin (as kinetin)	0.009%
Gibberellic acid	0.005%
Indole-3-butyric acid	0.005%
Inert Ingredients:	99.981%
Total:	100.000%

Read label before using.

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF IN EYES: Wash eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

See additional "Precautionary Statements" on left panel.

EPA Reg. No. 57538-RG

EPA Est. No. 57538-FL-6

Manufactured by:
Stoller Enterprises, Inc.
8582 Katy Freeway, Suite 110
Houston, Texas 77024

NET CONTENTS: One Quart

ACCEPTED
with COMMENTS
In EPA Letter Dated:

JUN 18 1993

Under the Federal Insecticide Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 57538-13

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if inhaled. Avoid breathing vapor or spray mist. Remove contaminated clothing and wash before reuse. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

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 disposing of equipment washwater.

PHYSICAL OR CHEMICAL HAZARDS

Store out of direct sunlight. Protect from freezing.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

APPLICATION AND CALIBRATION TECHNIQUES FOR SPRINKLER IRRIGATION

Apply this product only through the following types of irrigation systems. Do not apply this product through any other types 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 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 recommerded amount of Stimulate 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 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 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 will remain in suspension during the injection cycle. Stimulate 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 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 value 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 intendec 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 is 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 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 ones 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 on SAFETY DEVICES.

STORAGE AND DISPOSAL

STORAGE

Do not store in direct sunlight. Avoid freezing temperatures. Do not contaminate water, food, or feed by storage or disposal.

DISPOSAL

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: Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by the state authorities, by burning. If burned, stay out of smoke.

GENERAL INFORMATION

Stimulate yield enhancer is a biostimulant containing natural plant growth regulators and chelated trace minerals. Stimulate 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 is water soluble and suitable for use in conventional liquid application systems including sprinkler irrigation systems.

Shake Stimulate 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 can be applied tank mixed with most insecticides, fungicides, herbicides and foliar fertilizers but should be the last addition to the spray mixture.

APPLICATION INSTRUCTIONS

Apply diluted Stimulate to foliage in 3 to 10 gallons of water per acre. Larger volumes of water may be used if not associated with excessive runoff. Early morning or late evening applications are recommended for best results.

When applying Stimulate in a band or as a foliar-directed spray, reduce the application rate from the recommended 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.

FIELD CROPS

CROP	NUMBER OF APPLICATIONS	RATE PER ACRE BROADCAST (Fl.Oz)	BAND	TIMING
Beets, sugar	1	16	8	6-8 leaf stage.
	2-3	8	4	Begin at the 2-leaf stage and then at 7-14 day intervals.
Corn	1	8	5	2-6 leaf stage.
Cotton	1	8	4	Between flower initiation and final bloom.
	2-3	4	3	Early bloom and 7-14 days later.
	3-4	4	3	Begin at pinhead square and then at 7-10 day intervals.
Peanuts	4-6	4	3	Begin 30 days after planting and then at 7-14 day intervals.
Rice	1	8	-	2-5 leaf stage or panicle initiation.
	2	4	-	2-5 leaf stage and panicle initiation.
Sorgnum	1	8	5	2-6 leaf stage.
Soybeans	1	8	5	3-7 trifoliate leaf stage (V4-V8).
	2	4	3	3-7 trifoliate leaf stage (V4-V8) and 10-17 days later.

VEGETABLE CROPS

CROP	NUMBER OF APPLICATIONS	RATE PER ACRE BROADCAST (Fl.Oz)	BAND	TIMING
Beans	1	8	4	Between the third trifoliate leaf stage and flower bud formation.
	2-3	4	3	Begin at the third trifoliate leaf stage and then at 7-10 day intervals.
	4-6	3	2	Begin at the second trifoliate leaf stage and then at 7-14 day intervals.
Broccoli, Brussels sprouts, cabbage, cauliflower	3	6	4	Begin at 4-5 leaf stage and then at 10-14 day intervals.
Cucumber	1	8	4	Between flower bud initiation and first bloom.
	2-3	4	3	Begin at flower bud initiation and then at 7-10 day intervals.
	3-4	4	3	Begin at transplant, or at the 3-4 leaf stage for direct seeded and then at 7-10 day intervals.
Melons	1	8	4	Between flower bud initiation and first bloom.
	2-3	4	3	Begin at flower bud initiation and then at 7-10 day intervals.
	4-6	3	2	Begin 2 weeks after emergence and then at 7-14 day intervals.