

57538-14

4-2-1996

17



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division (7501W)
401 M Street, S.W.
Washington, DC 20460

EPA Reg. Number:
57538-14

Date of Issuance:
APR 2 1996

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:
Unconditional

Name of Pesticide Product:
FOLI-ZYME GA

Name and Address of Registrant (include ZIP Code): Stoller Enterprises
8580 Katy Freeway, Suite 200
Houston Texas 77024

Note: Changes in labeling differing in substance from that accepted in previous registrations 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 unconditionally registered in accordance with FIFRA Sec. 3(c)(5) 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 Sec. 4.
2. Revise the EPA Registration Number to read, "EPA Reg. No. 57538-14".
3. Submit five(5) 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 the FIFRA Sec.6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your record.

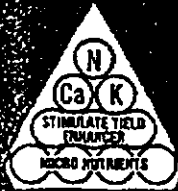
Signature of Approving Official

Date:

APR 2 1996

**FOLIAR NUTRIENT COMPOUND
WITH 3.0% CALCIUM**

*CONTAINS N+ CALCIUM



FOLI-ZYME GA



**STOLLER
ENTERPRISES, INC.**

Manufactured for:

Stoller Enterprises, Inc. • 8580 Katy Freeway, Suite 200
Houston, Texas 77024 • 713/461-5580

ACTIVE INGREDIENTS:	
Permethrin (as Sineol)	0.00281%
Gibberellic acid	0.00155%
Indole-3-butyric acid	0.00156%
INERT INGREDIENTS:	99.99507%
Total	100.00%
This product contains 0.1021 grams Cytokinin, 0.05670 grams Gibberellic acid, 0.05670 grams Indole-3-butyric acid per fluid ounce.	

**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. Call a physician 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.

EPA Est. No. 57538-FL-6, 066396 TX-001

**MINIMUM GUARANTEED ANALYSIS
12-0-3**

TOTAL NITROGEN (N)	12.00%
SOLUBLE POTASH (K ₂ O)	3.00%
CALCIUM (Ca)	3.00%
DERIVED FROM UREA, POTASSIUM CHLORIDE, CALCIUM MONOCARBAMIDE.	
AVOID FREEZING TEMPERATURE LESS THAN 20°F.	

FOLI-ZYME GA contains 4 ounces of STIMULATE (TM) YIELD ENHANCER per gallon as a GROWTH ADDITIVE.

GENERAL INFORMATION

FOLI-ZYME GA is formulated as a soluble concentrate that requires a minimum 1 to 10 dilution with water for all applications.

FOLI-ZYME GA is a fluid nutrient compound designed to prevent nutrient deficiencies in plants.

FOLI-ZYME GA is a valuable supplement to soil applied nutrients and is particularly beneficial under conditions where soil nutrients are not readily available.

FOLI-ZYME GA will provide nutrients at periods of fruit or flower development. FOLI-ZYME GA has a pH of 3 to 4 and will buffer spray tank water. The use of additional buffering agents may result in crop damage.

FOLI-ZYME GA will disperse in water with little agitation. Many pesticides can be added and applied while spraying FOLI-ZYME GA.

- Follow this mixing procedure:
1. Water
 2. FOLI-ZYME GA
 3. Pesticide

CAUTION: Be sure to conduct "Jar Test" using all products in proper proportion in order to establish physical compatibility.

FOLI-ZYME GA:

- ... WILL AID ROOT GROWTH.
- ... WILL AID CROP YIELD AND QUALITY.
- ... MAY BE APPLIED BY AIR OR GROUND.
- ... IS COMPATIBLE WITH MOST PESTICIDES AND SPRAY ADDITIVES.
- ... MAY BE USED UP TO FINAL HARVEST.

CONDITIONS OF SALE: 1. Seller warrants that this product consists of the ingredients specified and is reasonably fit for the purpose stated on this label when used in accordance with directions under normal conditions of use. No one, other than an officer of Seller, is authorized to make any warranty, guarantee, or direction concerning this product. 2. Because the time, place, rate of application and other conditions of use are beyond Seller's control, Seller's liability from handling, storage and use of this product is limited to replacement of product or refund of purchase price.

**NET CONTENTS/WEIGHT
33.45 LITERS / 10.8 U.S. Gal.**

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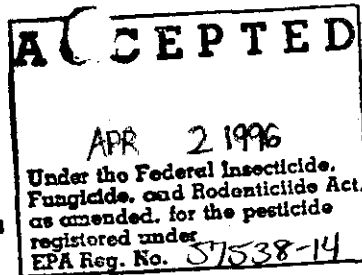
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P. 2

27



Foli-Zyme GA

Small Fruits, Vines and Tree Fruits

- ✓ * **Strawberries:** Begin Foli-Zyme GA sprays at first bloom at 1 gal/A (9 Lts/hectare) broadcast or ½ Gal/A (9 Lts/hectare) as band sprays directed at the row. Repeat sprays at 10 to 14 day intervals for a total of 3 to 6 sprays. Dilute Foli-Zyme GA with water to .7% to 1.0% solution.
- ✓ * **Oranges:** Apply Foli-Zyme GA at 1 gal/A (9 Lts/hectare) at first bloom and repeat at each flush of new growth. Dilute Foli-Zyme GA with water to .7% to 1.0% solution.

Young Trees and Ornamentals

- ✓ * **SHRUBS - (established) -** for increased vigor, rapid growth and healthy plant appearance: Spray foliage with Foli-Zyme GA at 1 gal/A (9 Lts/hectare). Dilute Foli-Zyme GA with water to .7% to 1.0% solution.
- ✓ * **FLOWERING PLANTS - (roses, azaleas, etc.)** Apply Foli-Zyme GA at 1 gal/A (9 Lts/hectare) every 10 to 14 days using a dilute solution of water with .7% to 1.0% Foli-Zyme GA.
- ✓ * **SOD -** To improve growth, heavy rooting and speed up regrowth after harvest, apply 1 Gal/A (9 Lts/hectare) every 10 to 14 days using a dilute solution .7% to 1.0% of Foli-Zyme GA.
- ✓ * **TURF -** For quick "tie down" after laying and to get turf off to a quick start use Foli-Zyme GA as follows: Broadcast 1 Gal/A (9 Lts/hectare) using a dilute solution of 1 to 2%. Repeat every 10 to 14 days.

Golf Course

- ✓ * **GREENS & TEES:**
Initial treatment in early spring with Foli-Zyme GA to promote root development and continue every 4 to 7 days. Apply 1 Gal/A (9 Lts/hectare) as a dilute solution of 1 to 2%.
- ✓ * **FAIRWAYS:**
Initial treatment in early spring with Foli-Zyme GA to promote root development and continue every 10 to 14 days. Apply 1 Gal/A (9 Lts/hectare) as a dilute solution of 1 to 2%.
- ✓ * **Foli-Zyme GA MAY BE USED WHEN TRANSPLANTING ORNAMENTALS, AND YOUNG TREES FOR A FAST AND HEALTHY START.** - by making a 2% solution of Foli-Zyme GA with water
 - 1) bare (naked) roots - dip in solution.
 - 2) Balled plants - spray ball at time of transplant until completely soaked.

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VEGETABLE CROPS

<u>CROP</u>	<u>NUMBER OF APPLICATIONS</u>	<u>RATE PER ACRE/APP.</u>	<u>TIMING</u>
Beans	4	1 gal.	Begin at the third Trifoliate leaf stage and then at 7-10 day intervals.
✓ Broccoli, Brussels Sprouts, Cabbage Cauliflower	4	1 gal.	Begin at 4-6 leaf stage and then at 10-14 day intervals.
✓ * Corn, Sweet	1 2 or more	1 gal. 1 gal.	2 - 6 leaf stage. Begin at 2-6 leaf stage and then at 7-21 day intervals through the end of tassling.
✓ Cucumber	4	1 gal.	Begin at 3-4 leaf stage and then at 7-10 day intervals.
✓ * Lettuce	3	1 gal.	Begin at the 4-5 leaf stage and then at 10-14 day intervals.
✓ Melons	4	1 gal.	Begin 2 weeks after emergence and then at 7-14 day intervals.
✓ * Onions	3	1 gal.	Begin 2 weeks after emergence and then at 10-14 day intervals.
✓ * Peppers	4-6	1 gal.	Begin at transplant, or at the 3-4 leaf stage for direct seeded and then at 7-14 day intervals.
✓ * Potatoes	1 3	1 gal. 1 gal.	Tuber initiation. Begin at stolon formation (8-10 leaf stage) and then 10-14 day intervals
✓ * Squash	1 2-3 4-6	1 gal. 1 gal. 1 gal.	Between flower bud initiation and first bloom. Begin at flower bud initiation and then 7-10 day intervals. Begin 2 weeks after emergence and then at 7-14 day intervals.
✓ * Tomatoes	1 2-3 4-6	1 gal. 1 gal. 1 gal.	Between flower bud initiation and first bloom. Begin at flower bud initiation and then at 7-10 day intervals. Begin 2 weeks after emergence or at transplant, and then at 7-14 day intervals.

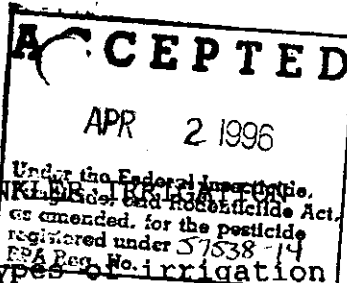
5/7

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FIELD CROPS

<u>CROP</u>	<u>NUMBER OF APPLICATIONS</u>	<u>RATE PER ACRE/APP.</u>	<u>TIMING</u>
✓ Beets, sugar	4	1 gal.	Begin at the 2 leaf stage and then at 7-10 day intervals.
✓ Corn	2	1 gal.	Begin at the 4-6 leaf stage and again just before tassel.
✓ Cotton	4	1 gal.	Begin at the pinhead square and then at 7-14 day intervals.
✓ Peanuts	4	1 gal.	Begin early bloom then at 10-14 day intervals.
✓ Rice	2	1 gal.	Begin at 2-5 leaf stage and panicle initiation.
✓ Sorghum	2	1 gal.	Begin at 2-6 leaf stage and then just before seed head initiation.
✓ Soybean	2	1 gal.	Begin at the 3-7 leaf stage and then 10-17 days later.
✓ * Wheat	1-2	1 gal.	Start of tillering in the fall and/or spring and when 2 to 3 leaves form on main stem.

6/7



APPLICATION AND CALIBRATION TECHNIQUES FOR SPRINKLER IRRIGATION SYSTEMS.

Apply this product only through the following types of irrigation systems. Do not apply this product through any other types of irrigation systems. 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 recommended amount of Foli-Zyme GA 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 Foli-Zyme GA 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 Foli-Zyme GA 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 Foli-Zyme GA will remain in suspension during the injection cycle. Foli-Zyme GA 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 Foli-Zyme GA is cleared from last sprinkler head.

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7/7

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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 fill pipe. The system must contain functional interlocking controls to automatically shut off the pesticide injections 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 of safety precautions, refer to statements (2), (3), (4), (6), and (7) in the section on SAFETY DEVICES.