

PM 92

275-89

4/28/97

PS 1210



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (R7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

275-89

Date of Issuance:

4/28/97

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

Term of Issuance: **Conditional**

Name of Pesticide Product:

ABG-3097<sup>®</sup> Plant  
Growth Regulator  
Soluble Powder

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Abbott Laboratories  
Chemical and Agricultural Products Division  
North Chicago, Illinois 60064-4000

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 registration does not eliminate the need for continual reassessment of the pesticide. If 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 3(c)(2)(B) of FIFRA.*

*This product is conditionally registered in accordance with FIFRA section 3(c)(7)(C) provided that you:*

- 1. Change the label by revising the EPA Registration Number to read, "EPA Reg. No. 275-89."*
- 2. Submit three (3) copies of the revised final printed label for the record.*
- 3. Submit one year prior to the April 1, 2001 expiration date of this conditional registration adequate two-generation reproduction (rat) data.*

Signature of Approving Official:

*[Handwritten signature]* see next page

Date:

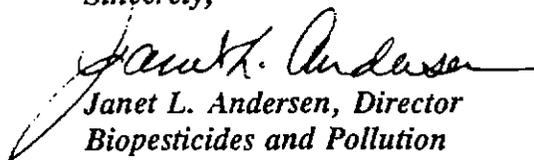
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*If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.*

*This registration is registered under FIFRA section 3(c)(7)(C) because of the outstanding two-generation reproduction (rat) data.*

*A stamped copy of the label is enclosed for your records.*

Sincerely,

  
Janet L. Andersen, Director  
Biopesticides and Pollution  
Prevention Division (7501W)

*Enclosure*

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**ABG-3097®**  
**PLANT GROWTH REGULATOR**  
**SOLUBLE POWDER**  
**[FOR GREENHOUSE USE ONLY]**

**ACTIVE INGREDIENT**

[S]-trans-2-Amino-4-[2-aminoethoxy]-3-butenic Acid Hydrochloride.....86%

**INERT INGREDIENTS**.....14%

**TOTAL**.....100%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

EPA Registration No. 275-  
EPA Est. 33762-IA-1  
Lot No.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
APR 28 1997

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
275-89

Abbott Laboratories  
Chemical and Agricultural Products Division  
North Chicago, IL 60064

Net weight: 4.41 lbs (2000 grams)

**STATEMENT OF PRACTICAL TREATMENT**

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.

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

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**CAUTION**

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

**Personal Protective Equipment (PPE)**

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Waterproof gloves.
- Shoes plus socks.

Follow the 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.

**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. Wash thoroughly and put on clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is moderately toxic to avian species and exposure to birds should be avoided. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

**DIRECTIONS FOR USE**

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

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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 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 intervals. 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 12 hours.

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
- Waterproof gloves
- Shoes plus socks

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**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE**

Keep containers tightly closed when not in use.

**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 state and local authorities, by burning. If burned, stay out of smoke.

**GENERAL INFORMATION**

Do not apply this product through any type of irrigation system.

Discard any unused spray material at the end of each day. Prepare solution concentrations by mixing the required amount of product with water in a clean, empty spray tank.

Data concerning the compatibility of ABG-3097® with other agricultural products is not available.

Use only as directed. The label should be read thoroughly and understood before making applications. Product efficacy requires that all parts of the plant or crop receive thorough spray coverage or the desired result may not occur. When a range of application rates is indicated, use the concentration and spray volume recommended by your local Abbott representative. (1-800-323-9597)

**NOTE:** ABG-3097® contains a potent plant growth regulator. For best results, read all directions for use thoroughly. Consult your local Abbott agricultural specialist for the spray schedule best suited to your conditions. (1-800-323-9597)

ABG-3097® contains a plant growth regulator which has been shown to reduce the incidence of shipping-related problems (e.g., flower senescence, flower bud abscission, leaf yellowing) when applied to plants immediately prior to boxing/shipping. The active ingredient in ABG-3097® is a fermentation metabolite that inhibits the endogenous production of ethylene in treated plant tissues.

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7/10**SPRAY GUIDELINES FOR MINIATURE CARNATIONS**

Use enough spray solution to wet the foliage thoroughly. Do not exceed maximum rates. It is important to wet all leaves, flower buds, and flowers thoroughly. The use of a non-ionic surfactant known to not cause phytotoxicity on this crop is recommended for inclusion in the final spray solution. Consult your Abbott agricultural specialist (1-800-323-9597) for a recommendation on which non-ionic surfactant to use.

For reduction in shipping-related flower bud abscission.

Guide: For Colorado Majestic Mountain™ and related varieties, apply a solution containing 500 ppm to 1000 ppm of active ingredient (see TABLE 1 below). Apply one spray 24 to 48 hours prior to boxing/shipping.

Guide: For European-type varieties, apply a solution containing 1000 ppm to 1500 ppm of active ingredient (see TABLE 1 below). Apply one spray 24 to 48 hours prior to boxing/shipping.

TABLE 1. Conversion Table for Miniature Carnations

Desired Spray Concentrations (ppm)	Amount of Active Ingredient (grams)	Amount of ABG-3097* (grams)	Spray Volume (gallons)	Treatment Area
500	7.6	8.8	4	1000 ft <sup>2</sup>
500	340.6	396.1	180	1 acre
1000	15.1	17.6	4	1000 ft <sup>2</sup>
1000	681.3	792.2	180	1 acre
1500	22.7	26.4	4	1000 ft <sup>2</sup>
1500	1021.9	1188.3	180	1 acre

\*86% Active Ingredient

Note: For Colorado Majestic Mountain™ and related varieties, it is recommended that the finished plants should have approximately 2-3 open flowers, 4-8 flower buds just beginning to open and showing some degree of color, and 15-30 closed, but viable, flower buds at the time of spraying.

Note: For European-type varieties, it is recommended that the finished plants should have approximately 8-15 open flowers, 8-15 flower buds just

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beginning to open and showing some degree of color, and 25-50 closed, but viable, flower buds at the time of spraying.

### SPRAY GUIDELINES FOR HIBISCUS

Use enough spray solution to thoroughly wet the foliage. Do not exceed maximum rates. It is important to wet all leaves, flower buds, and flowers thoroughly. The use of a non-ionic surfactant known to not cause phytotoxicity on this crop is recommended for inclusion in the final spray solution. Consult your Abbott agricultural specialist (1-800-323-9597) for a recommendation on which non-ionic surfactant to use.

For reduction in shipping-related flower bud abscission.

Guide: Apply a solution containing 50 ppm to 500 ppm of active ingredient (see TABLE 2 below). Apply one spray 24 to 48 hours prior to boxing/shipping.

TABLE 2. Conversion Table for Hibiscus

Desired Spray Concentration (ppm)	Amount of Active Ingredient (grams)	Amount of ABG-3097* (grams)	Spray Volume (gallons)	Treatment Area
50	0.9	1.1	5	1000 ft <sup>2</sup>
50	41.6	48.4	220	1 acre
100	1.9	2.2	5	1000 ft <sup>2</sup>
100	83.3	96.8	220	1 acre
250	4.7	5.5	5	1000 ft <sup>2</sup>
250	208.2	242.1	220	1 acre
500	9.5	10.9	5	1000 ft <sup>2</sup>
500	416.4	484.1	220	1 acre

\*86% Active Ingredient

Note: At the time of boxing/shipping, it is recommended that the finished plants should have all open flowers and flower buds at the "cigar stage" of development removed. All flower buds remaining on the plant should either be at the "candle stage" or as true closed green buds.

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7/10**SPRAY GUIDELINES FOR ROOTED GERANIUM CUTTINGS AND SEEDLINGS**

Use enough spray solution to thoroughly wet the foliage. Do not exceed maximum rates. It is important to wet all leaves thoroughly. The use of a non-ionic surfactant known to not cause phytotoxicity on this crop is recommended. Consult your Abbott agricultural specialist (1-800-323-9597) for a recommendation on which non-ionic surfactant to use.

For reduction of shipping-related problems and/or promotion of flowering.

Guide: Apply a solution containing 25 ppm to 250 ppm of active ingredient (see TABLE 3 below). If the plants are to be shipped, the spray should be applied 24 to 48 hours prior to boxing/shipping.

TABLE 3. Conversion Table for Geraniums

Desired Spray Concentration (ppm)	Amount of Active Ingredient (grams)	Amount of ABG-3097* (grams)	Spray Volume (gallons)	Treatment Area
25	0.5	0.6	5.7	1000 ft <sup>2</sup>
25	23.7	27.5	250	1 acre
50	1.1	1.3	5.7	1000 ft <sup>2</sup>
50	47.3	55	250	1 acre
75	1.6	1.9	5.7	1000 ft <sup>2</sup>
75	70.9	82.5	250	1 acre
100	2.2	2.5	5.7	1000 ft <sup>2</sup>
100	94.6	110	250	1 acre
250	5.4	6.3	5.7	1000 ft <sup>2</sup>
250	236.6	275.1	250	1 acre

\*86% Active Ingredient

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**NOTICE TO USER:**

Seller makes no warranty, expressed or implied, of merchantability, fitness or otherwise concerning use of this product other than as indicated on the label. User assumes all risks of use, storage, or handling not in strict accordance with accompanying directions.

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Chemical and Agricultural Products Division  
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