



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:  
**5905-584**

Date of Issuance:  
**SEP 15 2011**

Term of Issuance: **UNCONDITIONAL**

Name of Pesticide Product:  
 Helena GA-142

NOTICE OF PESTICIDE:

  XX   Registration             Re-registration  
 (under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Catherine M. Byrd  
 Helena Chemical Company  
 Memphis, Tennessee 38120

**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.

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) provided you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the following label change before you release the product for shipment: Revise the EPA Registration Number to read, "EPA Reg. No. 5905-584".
3. You must submit an acceptable Guideline Study: OCSPP 830.6317 (Storage and Stability) and OCSPP 830.6320 (Corrosion Characteristics) within 12 months from the date of this registration notice.
4. Submit three (3) copies of the revised final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA Section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

*W. Michael McDavit*  
 W. Michael McDavit, Associate Director  
 Biopesticides and Pollution Prevention Division (75111P)

Date:

**SEP 15 2011**

5905-584

Crop Biostimulant

Helena GA-142

For Formulation and Repackaging Only

Active Ingredients:

Cytokinin (as kinetin)* .....	0.01%
Auxin (as Indole-3-Butyric Acid equivalent)** .....	0.01%
Other ingredients: .....	99.98%
TOTAL: .....	100.00%

\*100 ppm of kinetin activity  
\*\*134 ppm of auxin activity

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**PRECAUTIONARY STATEMENTS**

Hazards to Humans and Domestic Animals

Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

First Aid	
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.
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.
Have the product container label with you when calling a poison control center. For 24 Hour Medical Emergency Assistance (human or animal) Call 1-800-222-1222. For Chemical Emergency Assistance (spill, leak, fire, or accident) call ChemTrec at 1-800-424-9300.	

**Environmental Hazards**

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

NET CONTENTS: \_\_\_\_\_

EPA REG NO.: \_\_\_\_\_

EPA EST NO.: \_\_\_\_\_

**ACCEPTED**

SEP 15 2011

Manufactured For:  
Helena Chemical Co  
7664 Moore Road  
Memphis, Tennessee 38120

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

Helena GA-142 DRAFT LABEL  
Rev 8/24/2010

5905-584

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read, understand and follow the precautions and directions on the labeling before using. This product is intended for use in either repackaging or in formulation and manufacturing other products for use as a plant growth regulator. Please note that the formulator or repackager of this product is responsible for all regulatory matters (including registration of the formulated product) associated with the formulation, repackaging and/or use of this product.

Helena GA-142 is labeled for use on:

### FIELD CROPS:

ALFALFA (Includes Alfalfa, Birdsfoot Trefoil, Clover, Esparset, Holy Clover, Lucerne, Sainfoin and varieties and/or hybrids of these), CORN (Includes Field Corn and Popcorn), COTTON, LUPINE, PEANUTS, RICE, SORGHUM (Includes Milo), SOYBEANS, SUGAR BEETS, TRITICALE, WHEAT

### FRUITS:

APPLES, AVOCADO, BANANAS, BLUEBERRIES, CANE FRUIT (Includes Blackberries, Currants, Gooseberries and Raspberries), CITRUS (Includes Grapefruit, Lemon, Lime, Oranges, Tangelos and Tangerines), GRAPES, PEARS, PLANTAINS, STONE FRUIT (Includes Apricots, Cherries, Nectarines, Peaches and Plums), STRAWBERRIES

### TREE NUTS:

ALMONDS, CASHEWS, CHESTNUTS, COCONUTS, HAZELNUTS, MACADAMIA, PECANS, PISTACHIOS, WALNUTS

### VEGETABLES:

ASPARAGUS, BEANS (Includes Asparagus Beans, Blackeyed Peas, Broad Beans, Catjang, Chickpeas, Cowpeas, Crowder Peas, Fava Beans, Garbanzo Beans, Kidney Beans, Lima Beans, Mung Beans, Navy Beans, Pinto Beans, Snap Beans, Southern Peas and Wax Beans), BROCCOLI, (Includes Chinese Broccoli), BRUSSELS SPROUTS, CABBAGE, CARROTS, CAULIFLOWER, CELERY, CORN (Sweet), CUCUMBER, EGGPLANT, GARLIC, GINSENG, LETTUCE, MELONS, OKRA, ONIONS, PEAS (Includes Lentils), PEPPERS, POTATOES, PUMPKINS, RADISHES, SHALLOTS, SPINACH, SQUASH, SWEET POTATOES, TOMATOES (Includes Tomatillos), YAMS

### HERBS & SPICES:

BASIL, CHIVE, CILANTRO, CORIANDER, DILL, FENNEL, MARJORAM, NUTMEG, PARSLEY, PEPPER (Includes Black Pepper and White Pepper), ROSEMARY, SAFFRON, SAGE, SAVORY, SWEET BAY, TARRAGON

### NON-FOOD CROPS:

FOREST NURSERIES, HOLLY, JOJOBA, ORNAMENTALS, TREES, TURF

### GRASS FORAGE:

(Includes all pasture and range grasses)

## **MANUFACTURING, FORMULATING, MIXING AND REPACKAGING INSTRUCTIONS:**

Helena GA-142 is a liquid extract suitable for dilution, for formulating with liquid fertilizers or pesticides or for impregnating on granular fertilizers or pesticides or for repackaging, for use as a plant growth regulator.

### **Dilution**

Mix Helena GA-142 thoroughly and dilute in a water-based solution or suspension to the desired concentration. Acidic dilution water (pH less than 5) should be adjusted to neutral pH

## **STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in a cool place and out of direct sunlight. Keep from freezing.

**PESTICIDE DISPOSAL:** Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If pesticide, spray mixture, or rinsate cannot be used according to label directions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL: NONREFILLABLE CONTAINER (EQUAL TO OR LESS THAN 5 GALLONS):** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. 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. Offer for recycling, if available.

**NONREFILLABLE CONTAINER (GREATER THAN 5 GALLONS):** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. 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. Offer for recycling, if available.

**REFILLABLE CONTAINER:** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

## **WARRANTY STATEMENT**

Helena Chemical Co. warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. Crop injury, ineffectiveness or other unintended consequences may result because of such factors such as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of Helena Chemical Co. In no case shall Helena Chemical Co. be liable for consequential, special or indirect damages resulting from the use or handling of this product, not in accordance with this label. Helena Chemical Co. makes no warranties of merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

(6.5-8.0) prior to the addition of HELENA GA-142. Add sufficient approved preservatives to prevent the outgrowth of microbial contaminants. Recommendations regarding preservatives are available upon request.

**Formulating with liquid fertilizers or pesticides:**

Mix Helena GA-142 thoroughly and add to aqueous solutions or suspensions of fertilizers or pesticides at an appropriate stage of the manufacturing sequence. Always maintain a pH of 5.5 or greater throughout the manufacturing sequence. Approved compatibility agents may be used to improve miscibility with other formulation components, if indicated. Approved preservatives should be added to the final formulation to prevent the outgrowth of microbial contaminants. Recommendations regarding preservatives are available upon request.

**Impregnation on granular fertilizers or pesticides:**

Mix Helena GA-142 thoroughly and spray onto granular fertilizers or pesticides. Avoid prolonged exposure to high temperatures during drying of the impregnated products.

**Repackaging:**

Mix Helena GA-142 thoroughly and repackage it in appropriate containers.