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PM-91

5-18-98

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAY 18 1998

Ms. Leslie K. Lake  
Auxein Corporation  
P.O. Box 27519  
3125 Sovereign Dr., Ste. B  
Lansing, MI 48909-0519

Dear Ms. Lake:

Subject: Amendment to Auxigro WP- Use Directions for Potatoes,  
Tomatoes, and Peanuts  
Auxigro WP Plant Metabolic Primer  
EPA Reg. No. 70810-1  
Your letter dated May 5, 1998

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Sincerely yours,

*Janet L. Andersen*  
Janet L. Andersen, Director  
Biopesticides and Pollution  
Prevention Division (7511W)

CONCURRENCES							
SYMBOL	7511W	7511W					
SURNAME	cella	sjobled					
DATE	5-19-98	5/15/98					

# AuxiGro™ WP

WETTABLE POWDER

PLANT METABOLIC PRIMER  
FOR INCREASED YIELD AND QUALITY

E.P.A. Registration Number 70810 - 1

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

MAY 18 1998

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

70810-1

**Active Ingredients:**

GABA: gamma aminobutyric acid -----	29.2 %
L-Glutamic acid -----	29.2 %
<b>Other Ingredients</b> -----	41.6 %
<b>TOTAL</b> -----	100.0 %

(1 pound contains 0.6 pounds of active ingredient)

(5 pounds contains 3 pounds of active ingredient)

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION!/:PRECAUCION!**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand this label, find someone to explain it to you in detail.)

**PRECAUTIONARY STATEMENTS**

HAZARDS TO HUMAN AND DOMESTIC ANIMALS --

CAUTION

**Causes moderate eye irritation.** Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL TREATMENT**

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

IF IN EYES: Flush eyes with plenty of water. Call physician if irritation persists.

**Personal Protective Equipment (PPE).** Applicators and other handlers must wear:

- long sleeve shirt and long pants
- shoes plus socks
- protective eyewear

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User Safety Recommendations:**

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if product gets inside. Then wash thoroughly and put on clean clothing.

### Environmental Hazards

DO NOT apply directly to water or areas where surface water is present, or to intertidal areas below the mean high water mark.

DO NOT contaminate water when disposing of rinsate or equipment washwaters.

### 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 agency responsible for pesticide regulation. DO NOT apply this product through any type of irrigation equipment. Please see package insert on bottom of bag for complete Directions For Use.

### 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, notifications and emergency assistance. It also contains specific instructions and exceptions pertaining to the restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

#### Re-Entry Statement:

Do not enter or allow worker entry into treated areas without protective clothing during the restricted-entry interval (REI) of 4 hours.

#### For Early Entry

For early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated (plants, soil) wear:

- ◆ Long sleeve shirt and long pants
- ◆ Shoes plus socks
- ◆ Protective eyewear

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter treated areas without protective clothing within 4 hours of application.

Observe all cautions and limitations on this label and on the labels of products used in combination with Auxigro WP. Do not use Auxigro WP other than in accordance with the instructions set forth on this label. The use of Auxigro WP not consistent with this label may result in injury to crops.

### GENERAL INFORMATION

Auxigro WP can be applied on all labeled crops per label application instructions (Directions for Use). When used as directed, Auxigro WP has been shown to increase yields of crops.

Auxigro WP applications have also resulted in (PRODUCT BENEFITS) increased size and/or quality of treated commodities, early ripening in certain vegetables, increased root growth early flowering and fruit set, faster seed germination and rooting, and improved total yield.

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## MIXING INSTRUCTIONS

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**Mixing of AuxiGro WP:** Fill the spray tank one-half full to three-quarters full with clean water. Use a calibrated device to weigh the required amount of AuxiGro WP. Add AuxiGro WP to the spray tank while agitating. Add other products, adjuvants or surfactants and then fill the remainder of the tank with water.

**Tankmix combinations with AuxiGro WP:** When AuxiGro WP is used in combination with other products, refer to the respective labels for rates and methods of application, proper timing, disease, weeds or insects controlled, restrictions and precautions. Always use in accordance with the most restrictive label restrictions and precautions. Do not exceed any label dosage.

**Compatibility Testing:** AuxiGro WP is compatible with most commonly used agricultural fungicides, insecticides, micronutrients and spray adjuvants. If compatibility with another product is unknown, a jar test for physical compatibility should be conducted before field mixtures are made. Read and recognize all cautions and limitations on labeling of all products used in mixtures.

**Adjuvants and Surfactants:** AuxiGro WP should be mixed with silicone based adjuvants. Adjuvants should be applied at rates recommended by the respective manufacturer on the intended crop.

Mixing containers, hoses and spraying equipment should be cleaned or triple rinsed prior to mixing AuxiGro WP for application.

**Ground Application of AuxiGro WP:** Apply uniformly with properly calibrated ground equipment in 20 to 100 gallons of water per acre. Application volume and pressure may increase, based on the size of plants being treated. Hollow cone nozzles are recommended. However, other types of nozzles which achieve uniform wetting of the entire plant canopy are acceptable.

Allow heavy dew to evaporate prior to AuxiGro WP applications. Do not apply AuxiGro WP if windy conditions exist or a strong threat of rain exists within 4 hours of application.

**Aerial application for field and vegetable crops:** Thorough spray coverage is required for maximum benefit. To achieve good coverage, use proper droplet size, spray uniformly, and ensure swath width and spray volume are correct. **Do not use less than 5 gallons total spray volume per acre.**

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## APPLICATION INSTRUCTIONS

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AuxiGro WP can effectively enhance plant development and growth of numerous plant species. Apply AuxiGro WP postemergence on the targeted crop(s) according to the following use instructions. **All rates of AuxiGro WP are expressed as broadcast rates. If crop growth stage permits band treatments, use proportionately less. Rates are expressed as ounces of formulated product per acre, for each application, except where noted.**



<p><b>Leaf lettuce (romaine, butter)</b></p> <p><i>(Two applications)</i></p> <p>First application: Apply 8 oz. AuxiGro WP immediately after thinning (4 – 6 true leaves).</p> <p>Second application: Apply 8 oz. AuxiGro WP 7 – 14 days after first application at first sign of head cupping.</p>	<p>4 – 8 oz. (8 oz.)</p>
<p><b>Peanuts</b></p> <p><i>(Two applications)</i></p> <p>First application: Apply 5 oz. AuxiGro WP at 2 – 4 trifoliates.</p> <p>Second application: Apply 5 oz. AuxiGro WP at 18 - 20 trifoliates (approximately 25 – 30 days after initial application, full bloom).</p> <p>Multiple applications of AuxiGro may begin when top growth exceeds 6" and continue until one week prior to harvest. Total season application should not exceed 24 oz. per acre.</p>	<p>5 oz.</p>
<p><b>Potatoes</b></p> <p><i>(Two applications)</i></p> <p>First application: Apply 5 oz. AuxiGro WP at first tuber initiation (hooking).</p> <p>Second application: Apply 5 oz. AuxiGro WP 14 – 21 days after first application, immediately prior to row closure.</p> <p>Multiple applications of AuxiGro may begin when top growth exceeds 6" and continue until one week prior to harvest. Total season application should not exceed 24 oz. per acre.</p>	<p>5 oz.</p>
<p><b>Spinach</b></p> <p><i>(Two applications)</i></p> <p>First application: Apply 4 – 8 oz. AuxiGro WP immediately after thinning.</p> <p>Second application: Apply 4 – 8 oz. AuxiGro WP 7 – 10 days after first application.</p>	<p>4 – 8 oz.</p>
<p><b>Tomatoes (processing) (fresh)</b></p> <p><i>(Two applications)</i></p> <p>First application: Apply 4 oz. AuxiGro WP at first fruit set in canopy (full bloom).</p> <p>Second application: Apply 4 oz. AuxiGro WP 10 – 14 days after first</p>	<p>4 oz.</p>

<p>application.</p> <p>Multiple applications of AuxiGro may begin when top growth exceeds 6" and continue until one week prior to harvest. Total season application should not exceed 24 oz. per acre.</p>	
<p><b>Crop Group 1: Root and Tubers</b> (Representative commodities: carrot, potato, radish, and sugar beet)</p> <p>[Rates apply to root and tuber crops other than potatoes]</p> <p><i>(Two applications)</i></p> <p>First application: For crops requiring thinning, apply within 7 days after thinning. For others, apply at first tuber initiation.</p> <p>Second application: On radishes, apply 7-14 days after first application. On carrots and sugar beets, apply 30-60 Days after first application.</p>	<p>4 - 8 oz.</p>
<p><b>Crop Group 3: Bulb Vegetables</b> (Representative commodities: onion, green, and onion, dry bulb)</p> <p><i>(Two applications)</i></p> <p>First application: Apply at 2<sup>nd</sup> true leaf state.</p> <p>Second application: Apply 14-21 days after first application.</p>	<p>4 - 8 oz.</p>
<p><b>Crop Group 4: Leafy Vegetables</b> (Representative commodities: celery, head lettuce, leaf lettuce, and spinach)</p> <p><i>(Two applications)</i></p> <p>First application: Apply immediately after thinning or transplant</p> <p>Second application: Apply 7-21 days after first application.</p>	<p>4 - 8 oz.</p>
<p><b>Crop Group 6: Legume Vegetables</b> (Representative commodities: <u>Phaseolus spp.</u>, one succulent cultivar and one dried cultivar), pea (<u>Pisum spp.</u>, one succulent cultivar and one dried cultivar); and soybean.</p> <p><i>(Two applications)</i></p> <p>First application: Apply 5-7 days after first pod formation.</p> <p>Second application: Apply 7-14 days after first application.</p>	<p>4 - 8 oz.</p>

<p><b>Crop Group 8: Fruiting Vegetables</b> (Representative commodities: tomato, bell pepper, and one cultivar of non-bell pepper)</p> <p><u>(Two applications)</u></p> <p>First application: Apply at first fruit set in canopy (full bloom). Second application: Apply 10-14 days after first application.</p>	4 – 8 oz. / A
<p><b>Crop Group 9 Cucurbit vegetables</b> Representative commodities: cucumber, muskmelon, and summer squash</p> <p><u>(Two applications)</u></p> <p>First application: Apply at bud formation (first bloom). Second application: Apply 7-21 days after first application.</p>	4 – 8 oz. / A
<p><b>Crop Group 10: Citrus Fruits</b> (Representative commodities: sweet orange, lemon and grapefruit)</p> <p><u>(Two applications)</u></p> <p>First application: Apply at first fruit set. Second application: Apply 4 – 8 weeks after first application.</p>	2 – 8 oz./100 gal.
<p><b>Crop Group 11 Pome fruits</b> (Representative commodities: apple and pear)</p> <p><u>(Two applications)</u></p> <p>First application: Apply at first fruit set. Second application: Apply 4 – 8 weeks after first application.</p>	2 – 8 oz./100 gal.
<p><b>Crop Group 12: Stone Fruits</b> (Representative commodities: sweet cherry or tart cherry, peach, and plum or fresh prune)</p> <p><u>(Two applications)</u></p> <p>First application: Apply at first fruit set. Second application: Apply 4 – 8 weeks after first application.</p>	2 – 8 oz./100 gal.
<p><b>Crop Group 13: Berries Group</b> (Representative commodities: blackberry or any one raspberry, and blueberry)</p> <p><u>(Two applications)</u></p> <p>First application: Apply at first fruit set. Second application: Apply 2 – 4 weeks after first application.</p>	2 – 8 oz./100 gal.



<p><b>Crop Group 14: Tree Nuts Group</b> (Representative commodities: almond and pecan)</p> <p><u>(Two applications)</u></p> <p>First application: Apply at first fruit set. Second application: Apply 4 – 6 weeks after first application.</p>	<p>2 – 8 oz./100 gal.</p>
<p><b>Crop Group 15: Cereal grains group</b> (Representative commodities: corn, rice, sorghum, and wheat)</p> <p><u>(Two applications)</u></p> <p>First application: On small grains (i.e., wheat, oats, rice, etc.) apply prior to tillering. On corn and sorghum, apply at V-4 to V-6 growth stage. Second application: On small grains, apply at boot stage. On corn and sorghum, apply at V-10 to V-12 growth stage.</p>	<p>4 – 8 oz. / A</p>
<p><b>Crop Group 16: Forage, fodder and straw of cereal grains group</b> (Representative commodities: corn, wheat, and cereal grains)</p> <p><u>(Two applications)</u></p> <p>First application: On small grains (i.e., wheat, oats, rice, etc.) apply prior to tillering. On corn and sorghum, apply at V-4 to V-6 growth stage. Second application: On small grains, apply at boot stage. On corn and sorghum, apply at V-10 to V-12 growth stage.</p>	<p>4 – 8 oz. / A</p>
<p><b>Crop Group 17: Grass Forage, fodder, and hay</b> (Representative commodities: bermuda grass, bluegrass, and bromegrass or fescue)</p> <p><u>(Two applications)</u></p> <p>First application: Apply when first new growth appears. Second application: Apply 4 weeks after first application.</p>	<p>4 – 12 oz. / A</p>
<p><b>Crop Group 18: Non-grass animal feeds</b> (Representative commodities: forage, fodder, straw, and hay)</p> <p><u>(Two applications)</u></p> <p>First application: Apply when new growth appears. Second application: Apply when new growth appears after cutting.</p>	<p>4 – 8 oz. / A</p>

<p><b>Crop Group 19: Herbs and Spices</b>          (Representative commodities: basil (fresh and dried), black pepper, chive, and celery seed or dill seed)</p> <p><u>(Two applications)</u></p> <p>First application: Apply when new vegetative growth appears.          Second application: Apply 14 - 21 days after first application.</p>	<p>4 - 8 oz. / A</p>
<p><b>Lawn and Turfgrasses (nonfood uses)</b>          (Kentucky bluegrass) (fescue (fine and tall)) (ryegrass (perennial)) (bentgrass)          (bermudagrass) (buffalograss) (centipedegrass)          (St. Augustinegrass) (zoysiagrass) (and) (other turfgrasses)</p> <p>Apply 14 days between applications, up to a maximum of 64 ounces (4 pounds) per year.*</p>	<p>2 - 8 oz. / A</p>
<p><b>Ornamentals (terrestrial nonfood uses)</b>          (trees) (shrubs) (woody vines) (ground covers) (perennials) (annuals) (bulbs)          (evergreens) (ornamental grasses) (and) (bedding plants)</p> <p>Apply 14 days between applications, up to a maximum of 64 ounces (4 pounds) per year.</p>	<p>2 - 8 oz. / A</p>

(Application rate should be based on crop size and total number of applications.)

(Completed Auxigro WP applications to any crop must not exceed a total application rate of 24 ounces of Auxigro WP per acre. (Examples: 2 applications at 12 oz./A or 3 applications at 8 oz./A = maximum rate))

(\*Auxigro WP applications to turfgrass and ornamental plants must not exceed a total application rate of 64 oz. Auxigro WP per acre.)

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## ROTATIONAL CROPS

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All crops, turfgrasses, and ornamental plants may be safely planted at any time following an Auxigro WP application.

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## STORAGE AND DISPOSAL

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**DO NOT** contaminate water, food, or feed by storage or disposal.

**PRODUCT STORAGE:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of reach of children, preferably in a locked storage area.

**PRODUCT DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** **DO NOT** reuse any part of the packaging. Dispose of all containers and packaging in a sanitary landfill, by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of the smoke.

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## CONDITIONS OF SALE AND WARRANTY

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The label instructions for the use of this product are based on research and field use. The instructions are believed to be reliable and must be followed carefully. However, it is not possible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the use of, or application of the product contrary to label instructions, all of which are beyond the control of Auxein Corporation. All such risks shall be assumed by the user.

Auxein Corporation shall not be responsible for losses or damages resulting from use of this product in any manner not set forth on this label. User assumes all risks associated with the use of this product in any manner not specifically set forth on this label.

Auxein Corporation warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risks referred to above. AUXEIN CORPORATION DOES NOT MAKE OR AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED AND EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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**Auxein Corporation**  
3125 Sovereign Drive, Suite B  
Lansing, MI 48911-4240  
1-888-8AUXEIN (1-888-828-9346)

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