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AuxiGro™ WP Plant Metabolic Primer WETTABLE POWDER

FOR INCREASED YIELD AND QUALITY

EPA Registration Number 70810 - 1

	Ingr	

GABA: gamma aminobutyric acid	29.2 %
L-Glutamic acid	29.2 %
Other Ingredients	41.6 %
TOTAL	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! PRECAUTION!

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 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. 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. Do not use AuxiGro other than in accordance with the instructions set forth on this label. The use of AuxiGro not consistent with this label may result in injury to crops.

GENERAL INFORMATION

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

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applications have also resulted in 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, improved total yield and induction of plant resistance to control or suppress certain plant pathogens.

MIXING INSTRUCTIONS

Mixing of AuxiGro: 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. Add AuxiGro 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: When AuxiGro 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 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: Optimal results are obtained from the use of a silicone-based surfactant at the lowest recommended label rates for PGRs or foliar sprays (typically 4 to 6 ounces surfactant per 100 gallons). If AuxiGro is tank-mixed with other products which prohibit surfactant use, follow the tank mix product label and do not use a surfactant.

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

APPLICATION INSTRUCTIONS

Application of AuxiGro can effectively enhance plant development, growth of numerous plant species and induce plant resistance to control or suppress selected plant pathogens. Applications of AuxiGro may begin at seeding (or transplanting) and continue until harvest. For optimal yield/disease response, apply AuxiGro postemergence according to the application timings and rates provided in the table below. Multiple applications (with fungicides) may be made at a rate of 1-8 ounces (per application). Total season application should not exceed 24 ounces per acre per crop.

All rates of AuxiGro are expressed as broadcast rates. If crop growth stage permits band treatments, use proportionally less. Rates are expressed as ounces formulated product per acre, per application, except as noted. AuxiGro should be applied with silicone-based surfactants unless tankmix combinations prohibit their use or crop injury is likely to occur.

Allow heavy dew to evaporate prior to AuxiGro applications. Do not apply AuxiGro if windy

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conditions exist or a strong threat of rain exists within 4 hours of application.

Ground Application: Apply uniformly with properly calibrated ground equipment in 20 to 100 gallons of water per acre, except as noted. 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.

Aerial Application: 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.

Overhead Sprinkler Irrigation: AuxiGro can be applied through common overhead sprinkler systems, such as center-point, lateral move, end tow, side (wheel) roll, traveler and others. All equipment must be properly calibrated for pesticide application before use.

Center-pivot, Lateral Move, End Tow, and Traveler Irrigation Equipment. Apply AuxiGro with no more than 1/4 inches of water (6750 gallons of water) per acre when the system and injector are operated at normal pressures recommended by their manufacturer.

Solid Set, Side (wheel) Roll and Hand Move Irrigation Equipment. Inject AuxiGro at the end of the irrigation cycle or as a separate application to maximize the foliar retention.

The system 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. The chemical injection pipeline must also contain a functional, normally closed solenoid operated valve located on the intake side of the injection pump and connected to a system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the chemical injection pump when the water pump motor stops. The irrigation line or water pump must include functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where chemical distribution is adversely affected. 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 chemicals and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift, when system connection or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained.

Lack of effectiveness, or lack of results in the crop may result from non-uniform distribution of treated water.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation shall shut the system down and make necessary adjustments should the need arise.

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Do not connect an irrigation system (including greenhouse systems) used for chemical application to a public water system unless the label-prescribed safety devices for drawing water supplies are in place.

CROP & Application(s)	Rate / Acre / Application & Timing*
Cucumbers (fresh market)	To increase the grade and/or marketable yield
First application:	Apply 4-8 oz. AuxiGro at early bloom, just prior to running.
Second application:	Apply 2-4 oz of AuxiGro at 10-14 days after the initial application.
Other applications:	Apply 2-4 oz of AuxiGro at 14-16 day intervals when multiple harvests are taken. Total season application should not exceed 24 oz. per acre per crop.
Grapes (Disease Control) Powdery Mildew (Uncinula spp.) and Bunch Rot (Botrytis cinerea)	AuxiGro will control Powdery Mildew and provide suppression of Bunch Rot. To do so it must be used as part of a disease management program. AuxiGro can be used alone if alternated with standard commercial fungicides on an established spray schedule, or when applied in combination with commercial fungicides on an established spray schedule.
	Apply 2 to 8 oz of AuxiGro beginning at pre-bloom (6 – 12 inch shoots) and do not extend applications beyond a 16 day interval. Total season application should not exceed 24 oz. per acre per crop.
-	Use the higher application rates or a shorter application interval on susceptible varieties or under heavy disease pressure.
	Application timing: AuxiGro may be applied alone or in tank mix combinations with recommended rates of fungicide, insecticide, and/or miticide.
	Thorough coverage is essential for good disease control. AuxiGro should be uniformly applied to the crop canopy. For ground applications use a minimum of 50 gallons per acre for conventional spray equipment, and a minimum of 36 gallons per acre for electrostatic sprayers.

Grapes:	To increase Soluble Sugars as measured by Brix levels.
First Application:	Apply 2 – 6 oz /A of AuxiGro at full bloom (beginning of berry development).
Second Application:	Apply 2 – 4 oz/A of AuxiGro at bunch closure (veraison to beginning of ripening).
	All applications should be made with equipment and in application volumes adequate to ensure uniform coverage of the entire crop canopy.
Peppers	To increase the total yield and/or marketable grade.
(bell, green, jalapeno)	
First application:	Apply 4 – 8 oz. AuxiGro at flower bud initiation (pre-bloom of main canopy).
Second application:	Apply 4 – 8 oz. AuxiGro after first fruit set, no sooner than 14 days after initial application.
Head lettuce (iceberg)'	To increase the marketable yield and/or provide earlier maturity.
First application:	Apply 8 oz. AuxiGro immediately after thinning (4 – 6 true leaves).
Second application:	Apply 8 oz. AuxiGro at first sign of head cupping, no sooner than 14 days after first application.
Leaf lettuce	To increase the marketable yield or provide earlier maturity.
(romaine, butter)	
First application:	Apply 8 oz. AuxiGro immediately after thinning (4 – 6 true leaves).
Second application:	Apply 8 oz. AuxiGro at first sign of head cupping, no sooner than 14 days after first application.
Peanuts	To increase the total yield of peanuts:
First application:	Apply 5 oz. AuxiGro at early bloom, 18 – 20 trifoliates (prior to running).
Second application:	Apply 5 oz. AuxiGro at full bloom, approximately 25 -30 days after initial application.
Potatoes	To increase the marketable yield and/or grade of potatoes:
First application:	Apply 4-5 oz. AuxiGro at first tuber initiation, early hooking (first tubers are no larger than a small pea).
Second application:	Apply 4-5 oz. AuxiGro 21-28 days after first application.
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Snap Beans (Phaseolus spp)	To increase the total yield.
(Southeast U.S.	To more the total yields
recommendation only)	
	Apply 8 oz. AuxiGro at pre-bloom (bud formation).
Spinach	To increase the total yield or provide earlier maturity.
	Apply 4 – 8 oz. AuxiGro at 2 – 4 leaf stage, immediately after thinning.
	Apply 4 – 8 oz. AuxiGro 7 – 14 days after first application.
Strawberries	To increase the total yield and/or quality.
Ever Bearing Varieties:	(harvest continues several months)
First application:	Apply 4 - 8 oz. AuxiGro at any time after first harvest. Effects from AuxiGro will occur in 5 - 7 days.
Later applications:	Additional applications should be made at 1-month intervals following the first application. Total season application should not exceed 24 oz. per acre per crop.
June Bearing Varieties:	(harvest duration is less than a few months)
,	
First Application:	
Tomatoes (processing)	To increase the marketable yield and to maintain or improve the
	soluble sugar levels as measured by Brix:
First application:	Apply 4 oz. AuxiGro at full bloom in the canopy (50-70% bloom)
Second application:	Apply 4 oz. AuxiGro at first fruit sct 10 –21 days after first application.
Tomatoes (fresh)	To increase the marketable yield and grade
First application:	Apply 4 oz. AuxiGro at pre-bloom (bud formation in canopy)
Second application:	Apply 4 oz. AuxiGro at full bloom, at least 21 days after first application.
Multiple applications:	Additional 4 oz. applications may be made after the second application at intervals of at least 21 days, if multiple harvests over an extended period are taken. Total season application should not exceed 24 oz. per acre per crop.
Watermelons	To increase the yield and/or quality.
First application:	Apply 4 oz. AuxiGro at early bloom (less than 10%), just prior to running.
Second application:	

Watermelons	For suppression of gummy stem blight (Didymella spp.)
Multiple applications:	AuxiGro may be applied at $1-4$ oz/A from emergence until harvest on a regular basis (7-14 day intervals) for suppression of gummy stem blight. Total season application should not exceed $\underline{24}$ oz. per acre per
	crop.
Crop Group 1: Root and Tubers (Rates and directions apply to root and tuber crops other than potatoes and	To increase the total yield and/or quality of selected root and tuber crops:
carrots) First application:	Apply 4-8 oz of AuxiGro at first tuber initiation or the beginning of bulking up as appropriate.
Second application:	• • • •
Crop Group 3: Bulb Vegetables	To increase the size and/or total yield of onions and garlic:
First application:	Apply 4-8 oz of AuxiGro when the plant leaves are 8-12" tall.
Second application:	Apply 4-8 oz of AuxiGro at start of "bulking-up."
Crop Group 4: Leafy Vegetables (Rates apply to Leafy Vegetables crops other than head lettuce, leaf lettuce and spinach)	To increase the size and/or total yield of celery and other leafy vegetables.
First application: Second application:	Apply 4-8 oz of AuxiGro at 1-5 days after thinning or transplant. Apply 4-8 oz of AuxiGro 14 - 30 days after first application
Crop Group 5: Gole crops	To increase the total yield and/or marketable grade.
	Apply 4 – 8 oz. AuxiGro at the 4-8 leaf stage. Apply 4 – 8 oz. AuxiGro just prior to head formation, no sooner than 14 days after first application.
Crop Group 6: Legume Vegetables	To increase the total yield and/or quality of various legume vegetables:
First application: Second application:	Apply $4-8$ oz. AuxiGro at $5-7$ days after first pod formation. Apply $4-8$ oz AuxiGro at $10-14$ days after first application.
	AuxiGro may also be applied at flower bud initiation, an earlier application timing, as a substitution for the first application on some legume species.

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Crop Group 8: Fruiting	To increase the yield of various fruiting vegetables:
Vegetables (Separate use	
instructions are provided for	
tomatoes and peppers.)	
First application:	Apply 4 – 8 oz. AuxiGro at bud set (initiation) in canopy.
Second application:	Apply 4 – 8 oz. AuxiGro at full bloom, no sooner than 10 – 14 days
potono application.	after initial application.
Crop Group 9: Cucurbit	
	To increase the total yield and/or quality of various cucurbits:
vegetables	
First application:	Apply 4 – 8 oz. AuxiGro at bud formation pre-bloom, prior to
	running.
Second application:	Apply 4-8 oz. AuxiGro 14 – 21 days after first application.
Crop Group 10: Citrus	To increase the growth and development or the total yield and/or
Fruits	quality.
First application:	Apply 2-8 oz /100 gal. of AuxiGro at first fruit set.
Second application:	Apply 2-8 oz./100 gal. of AuxiGro 4 – 8 weeks after first application.
Crop Group 11: Pome	To increase the growth and development as well as the total yield
Fruits	and/or quality.
First application:	Apply 2-8 oz/100 gal. of AuxiGro at first fruit set.
Second application:	Apply 2-8 oz/100 gal. of AuxiGro 4 – 8 weeks after first application.
Crop Group 12: Stone	To increase the growth and development or the total yield and/or
Fruits	quality the fruits:
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First application:	Apply 2-8 oz /100 gal. of AuxiGro at first fruit set.
Second application:	Apply 2-8 oz /100 gal. of AuxiGro 4 - 8 weeks after first application.
Crop Group 13: Berries	To increase the total yield and/or quality of berries:
Group	To mercuso and total prote and or quartey of verifies.
First application:	Apply 2-4 oz/100 gal. of AuxiGro at first fruit set.
Second application:	Apply 2-4 oz/100 gal. of AuxiGro 4 – 8 weeks after first application.
Crop Group 14: Tree Nuts	To increase total yield and/or quality and the Nut Trees:
Group	To mercaso total freid allow of quality and the real frees.
First application:	Apply 2-8 oz /100 gal. of AuxiGro at first fruit set.
Second application:	Apply 2-8 oz/100 gal. of AuxiGro 4 – 8 weeks after first application.
Crop Group 15: Cereal	To increase the total yield and or quality.
grains group	To increase the total yield and or quality.
grams group	
First application:	On small around (i.e. wheat note vice stall apply 2. 4 on Assistant
The application:	On small grains (i.e., wheat, oats, rice, etc.) apply 2 – 4 oz. AuxiGro
	prior to tillering. On corn and sorghum, apply 2 – 4 oz. AuxiGro at V-
G	4 to V-6 growth stage.
Second application:	On small grains, apply 2 - 4 oz. AuxiGro at boot stage. On corn and
<u>-</u>	sorghum, apply 2 - 4 oz. AuxiGro at V-10 to V12 growth stage.

Crop Group 16: Forage,	To increase the yield and or quality of various forage crops:
fodder and straw of cereal	
grains group.	
First application:	Apply 2-4 oz AuxiGro prior to tillering on small grains or at V-4 to V-
rast application.	
	6 growth stage for corn and sorghum.
Second application:	Apply 2-4 oz AuxiGro at boot stage for small grains and at V-10 to
<u> </u>	V12 growth stage for com and sorghum.
Crop Group 17: Grass	To increase the yield and or quality of various forage crops:
forage, fodder, and hay.	Mar ^{ith} fu _c
First application:	Apply 2-4 oz AuxiGro when 2-4 inches of new growth appears.
Second application:	Apply 2-4 oz AuxiGro 4 weeks after first application.
Crop Group 18: Non-grass	To increase the yield and or quality of the forage.
animal feeds	to more and living and or dounted or me torage.
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First application:	Apply 2-4 oz AuxiGro when 2-4 inches of new growth appears.
Second application:	Apply 2-4 oz AuxiGro when 2-4 inches of re-growth appears after
	cutting.
Crop Group 19: Herbs and	To increase the yield and/or quality of various herb and spice crops:
Spices	· · · · · · · · · · · · · · · · · · ·
First application:	Apply 2-4 oz AuxiGro when 2-4 inches of new vegetative growth
	appears.
Second application:	Apply 2-4 oz AuxiGro 14-30 days after first application.
Lawn and Turfgrasses	To increase the seedling establishment and growth of many lawn and
(nonfood uses)	turfgrass species:
Winst	
First application:	Apply 2 – 8 oz of AuxiGro after 1-3" of new growth after seeding or
	re-growth appears for established turf.
Later applications:	Apply 2 – 8 oz of AuxiGro 14-30 days after the initial application.
	However, a 7 day application interval may be used for seedling turf.
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·	AuxiGro applications to turfgrass and ornamental plants must not
	exceed a total application rate of 128 oz. AuxiGro per acre per
-	
	_season,
Ornamentals	To increase the growth, development and re-establishment of seedling,
(terrestrial nonfood uses)	cuttings, or mature ornamental plant species.
•	Francisco de la constantina della constantina de
First application:	Apply 2-16 oz of AuxiGro as a soil drench or foliar spray.
Later applications:	Apply 2- 16 oz of AuxiGro as a soil drench or foliar spray at an
Dater applications:	
	interval of no less than 14 days from any previous application.
·	AuxiGro applications to turfgrass and ornamental plants must not
	exceed a total application rate of 128 oz. AuxiGro per acre per
	season.
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^{*}AuxiGro may be applied to selected plant species at 1 - 8 oz/A beginning at planting, cmergence or bud swell as appropriate up until harvest to enhance plant growth and vigor.

(Allowing a minimum of 10 - 14 days between most applications.) AuxiGro should be applied

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with silicone-based surfactants unless tankmix combinations prohibit their use or crop injury is likely to occur.

Application rate should be based on crop size or developmental stage and total number of intended applications.

ROTATIONAL CROPS

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

STORAGE AND DISPOSAL

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.

CONDITIONS OF SALE AND WARRANTY

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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deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement.

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