



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Biopesticides and Pollution Prevention Division (7511P)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:

93363-2

Date of Issuance:

4/4/2022

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

MitoGrow Aqua 3-IA 2.5%

Name and Address of Registrant (include ZIP Code):

MitoGrow LLC
 810 CR 2796
 Mineola TX 75773

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 (FIFRA or the Act).

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency (EPA). In order to protect health and the environment, the Administrator, on his or her 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 the 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 section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration or registration review of your product when the EPA requires all registrants of similar products to submit such data.
2. Submit storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) data as these data requirements are not satisfied. A one-year study is required to satisfy these data requirements. You have 18 months from the date of this registration to provide these data to the EPA.

Signature of Approving Official:

Andrew Bryceland, Team Leader
 Biochemical Pesticides Branch
 Biopesticides and Pollution Prevention Division (7511M)
 Office of Pesticide Programs

Date:

4/4/2022

3. Make the following labeling change before you release this product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 93363-2.”
4. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA’s Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statement of Formula (CSF):

- Basic CSF dated 01/19/2022

If you have any questions, please contact Sydnie Hetzel by phone at (202) 566-1606 or via email at Hetzel.sydnie@epa.gov.

Sincerely,



Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511M)
Office of Pesticide Programs

Enclosure

Apr 04, 2022

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 93363-2

MitoGrow™ Aqua 3-IA 2.5% plant growth regulator

For Agricultural Use

For use on food crops, greenhouses, nurseries, Christmas tree farms, ornamental plants, trees, shrubs and vines.

ACTIVE INGREDIENTS:

Indole-3-Butyric Acid: - - - 2.5%
Bacillus amyloliquefaciens subspecies plantarum strain FZB42*....0.45%
Cytokinin (as kinetin)..... 0.00792%

OTHER INGREDIENTS: 97.04208%
TOTAL: - - - - - 100.00000%

*Contains a minimum of 1.04 x 10¹⁰ CFU/oz of product

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by the Poison Control Center or doctor. • Do not give anything to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none"> • 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 advise.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for further treatment advise.
IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advise.
HOTLINE	
Call a Poison Control Center or doctor for treatment advice. Have the product container or label with you when calling or going for treatment. You may also contact CHEMTREC 1-800-424-9300 (24 hours) for Emergency Medical treatment information.	

EPA Reg. No.: 93363-

Batch Code

EPA Est. No.:

Net Wt.: [1 or 20] Lbs. ([0.454 or 9.09] kg)

SEE SIDE [OR BACK] PANEL FOR [FIRST AID] [AND (OR)]

PRECAUTIONARY STATEMENTS

Manufactured By:

MitoGrow, LLC

910 10th Street, Suite 800A

Plano, TX 75074

(877) 365-8733

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

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

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

USER SAFETY RECOMMENDATIONS:

Users should:

- Wash hands after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on change into clean clothing as soon as possible.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

ENVIRONMENTAL HAZARDS: This product is toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwater or rinsate.

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.

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 the label about personal protective equipment (PPE) and restricted-entry interval. 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 this 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
- Shoes plus socks
- Waterproof gloves

PRODUCT INFORMATION

MitoGrow™ Aqua 3-IA 2.5% contains IBA to stimulate root development and encourage cell growth in most species of plants and trees including food crops, ornamental plants, trees, shrubs, and vines. It is a water suspendable powder that may be use alone or with other water applied agricultural products.

CHEMIGATION USE DIRECTIONS

Apply through fixed or standing irrigation systems, or through drench or root injection applications.

Apply this product only through the following types of irrigation systems:

1. Sprinkler including big gun, solid set or hand move irrigations systems.
2. Calibrated overhead watering booms
3. Drip (or micro sprinkler) irrigation systems.

Before applying this product through any type of irrigation system, perform a small-scale trial to determine if products performance and phytotoxicity results are acceptable. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have any questions about calibration, you should contact State Extension Service 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.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

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 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 flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of a least twice the inside diameter of the fill pipe. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must 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. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops or in cases where there is not water pump, when the water pressure decreases to the point where pesticide 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 pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Agitate the pesticide supply tank throughout the application of MitoGrow Aqua 3-IA. Apply MitoGrow Aqua 3-IA at the rate the rate appropriate for crop **from tables below** at the end of the irrigation period in a sufficient amount of water to allow proper coverage of plant or crop (see Minimum Dilution Table). Fill the supply tank one-half full with water, add the appropriate amount of MitoGrow Aqua 3-IA to the tank and finish filling the tank with water.

DRIP/TRICKLE OR SPRINKLER CHEMIGATION

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 pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the

flow of fluid back toward the injection pump. 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. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. 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. 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. Do not apply when wind speed favors drift beyond the area intended for treatment (this statement only applies to sprinkler chemigation).

Agitate the pesticide supply tank throughout the application of MitoGrow Aqua 3-IA. Apply MitoGrow Aqua 3-IA at the rate the rate appropriate for crop **from the application tables** at the end of the irrigation period in a sufficient amount of water to allow proper coverage of plant or crop (see Minimum Dilution Table).

Minimum Dilution Table for Irrigation Systems			
Crop	Amount MitoGrow Aqua		Minimum Dilution gallons
	lbs.	grams	
Vegetable, field crops	0.5	227	25
Small fruits and vines	1	454	50
Tree crops	2	908	100
Citrus	4	1816	200

COMPATIBILITY

MitoGrow™ Aqua 3-IA 2.5% is compatible with surfactants, pesticides, herbicides, fertilizers, and micronutrients commonly used by farmers/growers. MitoGrow™ Aqua 3-IA 2.5% can be mixed with most of these common agrochemicals after diluting with water separately. However, the pH of the solution should be around 7.0.

RESTRICTIONS

This product is not intended for consumer use.

APPLICATION RATES

SOIL APPLICATION INSTRUCTIONS			
Apply in furrow, through drip systems, or via other irrigation systems. This product must be used with a comprehensive fertilization program for maximum results.			
Crop Family	Example Crops	oz. /acre	Application Directions
ACTINIDIACEAE	kiwifruit	12.0	1 st : Application after buds open. 2 nd : Application 21 days after the first application. 3 rd : Application 21 days after harvest.
ANACARDIACEAE	pistachios, cashews	16.0	One application 2 to 4 weeks after flowering.
ASPARAGACEAE	asparagus	3.0	Apply after harvest when asparagus is in fern stage. Additional applications can be made every 14 days. Stop applications 14 days prior to harvest.
ASTERACEAE	artichokes, chamomile, chicory, Jerusalem artichoke, tarragon, lettuce, and salsify.	3.0	1 st : Application after emergence. Additional applications can be made every 10 to 14 days. Stop applications 14 days prior to harvest.
BRASSICACEAE	arugula, broccoli, brussels sprouts, cabbage, cauliflower, collard, horseradish, kale, kohlrabi, mustard, radish, rape, rutabaga, turnip, watercress	3.0	1 st : Application after emergence. Additional applications can be made every 10 to 14 days. Stop applications 14 days prior to harvest.
CHENOPODIACEAE	swiss chard, beets, and spinach	3.0	1 st : Application after emergence. Additional applications can be made every 10 to 14 days. Stop applications 14 days prior to harvest.
CUCURBITACEAE	pumpkins, squash, cucumbers, and melons	4.0	1 st : Application after planting. Additional applications can be made every 10 to 14 days. Stop applications 14 days prior to harvest.
ERICACEAE	blueberry, cranberry, huckleberry	12.0	1 st : Application 2 weeks after flowering. 2 nd : Application 21 days after the first application. 3 rd : Application 21 days after harvest.
FABACEAE	beans, peas, lentils, peanuts, soy, and fava beans	3.0	1 st : Application after emergence. Additional applications can be made every 10 to 14 days. Stop applications 14 days prior to harvest.
JUGLANDACEAE	hickory nuts, pecans, walnuts	16.0	One application 2 to 4 weeks after flowering.
LAMIACEAE	basil, lavender, marjoram, lemon balm, oregano, rosemary, savory, sage, and thyme	3.0	1 st : Application after emergence. Additional applications can be made every 10 to 14 days. Stop applications 14 days prior to harvest.
LILIACEAE	garlic, chives, shallots, onions, and leeks	3.0	1 st : Application after emergence or planting. Additional applications can be made every 10 to 14 days. Stop applications 14 days prior to harvest.
MALVACEAE	cotton	4.0	Apply in-furrow or band with starter fertilizer.

OLEACEAE	Olives	12.0	1 st : Application 2 weeks after flowering. Additional applications can be made every 10 to 14 days. Stop applications 14 days prior to harvest.
POACEAE	corn, rice, wheat, barley, oats, rye, and millet	3.0	1 st : Application after emergence. 2 nd : Application 14 days after the first application.
ROSACEAE	strawberries	4.0	1 st : Application after planting. Additional applications can be made every 10 to 14 days.
ROSACEAE	caneberries: raspberries, blackberries, etc.	6.0	1 st : Application 2 weeks after flowering. Additional applications can be made every 30 days.
ROSACEAE	tree fruit: almonds, apricots, cherries, peaches, pears, apples, and plums	12.0	1 st : Application after planting. Additional applications can be made every 30 days. Stop applications 14 days prior to harvest.
RUTACEAE	Grapefruit, Kumquat, Lemon, Lime, Tangerine	32.0	1 st : Application 2 weeks after first flowering. Additional applications can be made every 30 days.
SOLANACEAE	eggplants, peppers, potatoes, tobacco, and tomatoes	4.0	1 st : Application after emergence. Additional applications can be made every 10 to 14 days. Stop applications 14 days prior to harvest.
UMBELLIFERAE	dill, anise, carrots, caraway, celery, chervil, cilantro, cumin, fennel, parsnips, and parsley	3.0	1 st : Application after emergence. Additional applications can be made every 10 to 14 days. Stop applications 14 days prior to harvest.
VITIDACEAE	grapes	8.0	1 st : Application after fruit set. Additional applications can be made every 10 to 14 days. Stop applications 30 days prior to harvest.

DRENCH APPLICATION INSTRUCTIONS - where irrigation distribution is not available

Mix 1 lb. per 100 gallons of water and drench over the root zone. An agricultural wetting agent may be added to improve soil absorption. This product must be used with a comprehensive fertilization program for maximum results.

Crop Family	Example Crops	Typical Amt. per Plant	Application Directions
ACTINIDIACEAE	kiwifruit	50 oz	1 st : Application after buds open. 2 nd : Application 21 days after the first application. 3 rd : Application 21 days after harvest.
ANACARDIACEAE	pistachios, cashews	96 oz	One application 2 to 4 weeks after flowering.
ERICACEAE	blueberry, cranberry, huckleberry	12 oz	1 st : Application 2 weeks after flowering. 2 nd : Application 21 days after the first application. 3 rd : Application 21 days after harvest.
JUGLANDACEAE	hickory nuts, pecans, walnuts	2 gal	One application 2 to 4 weeks after flowering.
OLEACEAE	Olives	32 oz	1 st : Application 2 weeks after flowering. Additional applications can be made every 10 to 14 days. Stop applications 14 days prior to harvest.

ROSACEAE	caneberries: raspberries, blackberries, etc.	4 oz	1 st : Application 2 weeks after flowering. Additional applications can be made every 30 days.
ROSACEAE	tree fruit: almonds, apricots, cherries, peaches, pears, apples, and plums	12.0	1 st : Application after planting. Additional applications can be made every 30 days. Stop applications 14 days prior to harvest.
RUTACEAE	Grapefruit, Kumquat, Lemon, Lime, Tangerine	32.0	1 st : Application 2 weeks after first flowering. Additional applications can be made every 30 days.
VITIDACEAE	grapes	8.0	1 st : Application after fruit set. Additional applications can be made every 10 to 14 days. Stop applications 30 days prior to harvest.

DRENCH APPLICATION INSTRUCTIONS - new plantings

Mix 2 lb. per 100 gallons of water and drench over the root zone after backfill. An agricultural wetting agent may be added to improve soil absorption. This product must be used with a comprehensive fertilization program for maximum results.

Crop Family	Example Crops	Typical Amt. per Plant	Application Directions
ACTINIDIACEAE	kiwifruit	48 oz	Planting: Apply 1 gallon of solution per 1" of stem dia.
ANACARDIACEAE	pistachios, cashews	32 oz	Planting: Apply 1 gallon of solution per 1" of trunk dia.
ERICACEAE	blueberry, huckleberry	16 oz	Planting: Apply 1 gallon of solution per 1" of trunk dia.
JUGLANDACEAE	hickory nuts, pecans, walnuts	2 gal	Planting: Apply 1 gallon of solution per 1" of trunk dia.
OLEACEAE	Olives	32 oz	Planting: Apply 1 gallon of solution per 1" of trunk dia.
ROSACEAE	caneberries: raspberries, blackberries, etc.	16 oz	Planting: Apply 1 gallon of solution per 1" of cane dia.
ROSACEAE	tree fruit: almonds, apricots, cherries, peaches, pears, apples, and plums	64 oz	Planting: Apply 1 gallon of solution per 1" of trunk dia.
RUTACEAE	Grapefruit, Kumquat, Lemon, Lime, Tangerine	1 gal	Planting: Apply 2 gallon of solution per 1" of trunk dia.
VITIDACEAE	grapes	32 oz	Planting: Apply 1/2 gallon of solution per 1" of trunk dia.

FOR NURSERY STOCK - Blend this product at a rate of 1.0 lbs. per 100 gallons of water and apply after planting or repotting. Use a sufficient amount to fully wet the planting media or soil (typically 10 to 12 oz of solution per gallon of pot size) to promote rapid rooting and development. Do not water for 24 hours after application to allow time for the product to be absorbed by the plant roots. Additional applications may be made every 4 weeks.

FOR Potting Soil/Grow Mix Application - Blend this product at rate of 2 lbs./Cubic Yard of potting soil/grow mix.

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool, dry area. Always store in original container. Store away from food and pet food.

PESTICIDE DISPOSAL: To avoid waste, use all material in this container by application according to label directions. If wastes cannot be avoided, offer the remaining product to a waste disposal facility or pesticide disposal program.

CONTAINER HANDLING: Non-refillable container. Do not reuse or refill this container. If empty: Completely empty bag into application equipment, then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incinerations or if allowed by state and local authorities, by burning, If burned, stay out of smoke.

WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. To the extent consistent with applicable law, manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

LEGAL RIGHTS:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS:
YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE
JURISDICTION TO STATE JURISDICTION.