U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Biopesticides and Pollution Prevention Division (7511P) 1200 Pennsylvania Ave., N.W.	EPA Reg. Number:	Date of Issuance:	
Office of Pesticide Programs			
Biopesticides and Pollution Prevention Division (7511P) 1200 Pennsylvania Ave., N.W.	<mark>91664-1</mark>	<mark>5/27/2016</mark>	
Washington, D.C. 20460			
NOTICE OF PESTICIDE:	Term of Issuance:		
<u>X</u> Registration Reregistration	Unconditional		
(under FIFRA, as amended)	Name of Pesticide Proc	duct:	
	Biorend®		
Name and Address of Registrant (include ZIP Code): Ag NuBio, Inc. 11125 North Ambassador Drive, Suite 120 Kansas City, MO 64153			
Note: Changes in labeling differing in substance from that accepted in connection with this registration Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence Registration Number.			
On the basis of information furnished by the registrant, the above named p Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA or the Act).	pesticide is hereby r	registered under the	
 Registration is in no way to be construed as an endorsement or recomment Environmental Protection Agency (EPA). In order to protect health and the or her motion, may at any time suspend or cancel the registration of a pess acceptance of any name in connection with the registration of a product u giving the registrant a right to exclusive use of the name or to its use if it b This product is unconditionally registered in accordance with FIFRA sect 1. Submit and/or cite all data required for registration or registration rev requires all registrants of similar products to submit such data. 2. Submit Storage Stability and Corrosion Characteristics (Guidelines 8: requirements are not satisfied. A one-year study is required to satisfy months from the date of this registration to provide these data to the F 3. Submit one (1) copy of the final printed labeling for the record before 	ne environment, the ticide in accordance nder the Act is not t has been covered by ion 3(c)(5) provided iew of your product 30.6317 and 830.63 these data requirem EPA. e you release this pro	Administrator, on his e with the Act. The to be construed as y others. d that you: t when the EPA 20) data as these data hents. You have 18	
	Date:		
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Andrew Bryceland, Team Leader			
Biochemical Pesticides Branch Biopesticides and Pollution Prevention Division (7511P)			
Office of Pesticide Programs			
EPA Form 8570-6			

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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 false or misleading statements or claims substantially differing from the EPA-approved 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 5/24/16.

If you have any questions, please contact Chris Pfeifer of my team by phone at 703-308-0031 or via email at pfeifer.chris@epa.gov.

Sincerely,

andrew C. Buycelow

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

Enclosure

BIOREND® Plant Defense Booster

BIOREND® is a registered trademark of BioAgro, SA

*Contains 0.22 pounds of active ingredient per gallon of product (equivalent to 26 grams of active ingredient per liter of product)

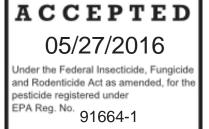
KEEP OUT OF REACH OF CHILDREN

CAUTION

EPA Reg. No. 91664-1 EPA Est. No.

> Net Contents Ag NuBio, Inc. 11125 N. Ambassador Dr. Ste. 120 Kansas City, MO 64153

See side/back panels for additional precautionary statements



PRECAUTIONARY STATEMENTS

HAZARDS, TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Wear the appropriate Personal Protective Equipment (PPE)

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators, mixers, loaders and other handlers must wear:

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

Follow 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:

- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

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 cleaning equipment or disposing of equipment wash waters or rinsate. Do not allow runoff into lakes, streams, ponds or public waterways.

PHYSICAL OR CHEMICAL HAZARDS

For spill, leak, fire, exposure, or accident call CHEMTREC at 1-800-424-9300.

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 State or Tribal agency responsible for pesticide regulation.

BIOREND® is a Plant Defense Booster. The active ingredient in BIOREND® is derived from basic carbohydrate source. Application of BIOREND® elicits phytoalexins in the plant's defense system protecting against certain plant pathogens.

BIOREND® stimulates the growing of roots and culms by using the SAR (Systemic Acquired Resistance) mechanism, which allows plants to explore a greater volume of soil and, therefore, to absorb more water and nutrients, to become stronger and

healthier, less susceptible to attacks on the root system, to allow the healing of wounds, to reduce post-transplanting dehydration in sowing and transplanting species

When used as directed on this label BIOREND[®] can boost seed germination and vitality, stimulate emergence and sprouting, enhance plant vigor, promote root growth, promote foliar growth, increase crop yields, improve crop vigor and quality, suppress diseases and pathogens, activate plant resistance to environmental stress, drought and disease pressure, including the suppression of plant parasitic nematodes.

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 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 the restricted entry interval (REI) of 4 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

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the 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, and greenhouses.

Do not enter treated area without protective clothing until sprays have dried.

MIXING AND APPLICATION INSTRUCTIONS

Preparation of sprays: Fill the application container up to 1/3 of its capacity. Add BIOREND® according to the recommended dose with the agitation system on and make up to volume with water. To improve solution of water and BIOREND®, use water of pH 6.5 or lower. If pH of the water is over 6.5, use a buffer to reduce pH to 6.5.

Compatibility: To determine the physical compatibility of BIOREND® with any other product, use a small container to mix a small amount (e.g. 1 pint) of spray solution, containing all ingredients in the same order and ratio as the anticipated use. If any indication of physical incompatibility develops, do not use this mixture for spraying. Indications of incompatibility usually appear within 5-15 minutes after mixing. Read and follow all directions and precautions on this label and on the other labels of any products for which a tank mixture is being considered. To improve compatibility, use water of pH 6.5 or lower. If pH of the water is over 6.5, use a buffer to reduce pH to 6.5. When mixing with other products, add the other product(s) to water of pH 6.5 or lower and add the BIOREND® to the mixture last.

Phytotoxicity: BIOREND® is not phytotoxic in the labeled application doses and crops.

Chemigation Directions:

"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 back flow."

"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 inter-locking 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."

Use a pesticide supply tank for the mixing and application of BIOREND® in chemigation systems.

Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

First prepare a suspension of BIOREND® in the supply tank by filling the tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of BIOREND® and then the remaining volume of water. When mixing with other products, add the other product(s) to water of pH 6.5 or lower and add the BIOREND to the mixture last. The suspension of BIOREND® must be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing.

Maintain continuous agitation in the supply tank during mixing and application to assure a uniform suspension.

For center pivot and other continuously moving sprinkler systems, set system to apply 0.1 to 0.3 inches of water with the required amount of mixture evenly and continuously throughout the irrigation cycle.

For solid set, wheel-line, drip, microsprinkler or other stationary system applications, introduce the correct amount of BIOREND® mixture from the supply tank into the irrigation water during the middle one-third of the irrigation cycle.

Cleaning Application Equipment

To prevent contamination of the dilute solution of BIOREND® by possible pesticides or other chemical residues in the spraying equipment, make sure that the equipment is thoroughly clean before and after use.

Use Rates, Crops, Application 1				
Сгор	BIOREND® Use Rate	Number of Applications	Application Time	Application Methods
Grapes, Kiwi, Lemons, Oranges, Clementine, Grapefruit, Limes, Tangerines, Peaches, Apricot, Nectarines, Cherry, Apple, Pear, Olive, Blueberry, Raspberry, Blackberry, Avocado, Walnut, Almond, Hazelnut	New Plantings 1.1 gallons/acre (0.24 lbs. ai./acre) Mature Plantings 2.1 gallons/acre (0.46 lbs. ai./acre)	1-2 depending on the general condition of the plants	At peak activity in the roots	Inject into drip or sprinkler irrigation system
Strawberry	½ gallon/acre (0.11 lbs. ai./acre)	2-4	At peak activity in the roots	Inject into drip or sprinkler irrigation system
Potato	0.8 gallons/acre (0.19 lbs. ai./acre)	4	Every 10 days, starting 30 days after planting	Inject into drip or sprinkler irrigation system
Garlic	5% by volume mixture (64 fluid ounces/10 gallons mixture) (0.11 lbs. ai./10 gallons mixture)	1	Seed	Immerse seed in solution for 15 minutes prior to planting

Use Rates, Crops, Application Timing and Method

Сгор	BIOREND®	Number of	Application	Application
P	Use Rate	Applications	Time	Methods
Onion	1% by volume			
Transplant	mixture			
production	(12.8 fluid		Make weekly	Sprinkle soil to
1	ounces/10	0	applications	wet surface or
	gallons	3	starting 30	seedlings to
	mixture)		days prior to	point of runoff
	(0.022 lbs.		transplanting.	
	ai./10 gallons)			
Onion	3% by volume			
Transplanting	mixture			Immerse roots
	(38.4 fluid			in mixture for
	ounces/10	1	Transplanting	30 seconds
	gallons	1	Transplatiting	prior to
	mixture)			transplanting
	(0.066 lbs.			transpirations
	ai./10 gallons)			-
	1.5% by			Immerse seeds
	volume mixture			in mixture for
	(19.2 fluid			30-second
	ounces/10	1	Seed	prior to
	gallons			planting
	mixture)			
	(0.033 lbs.)			
Greenhouse	ai./10 gallons) 0.54 to 1.1		Apply every 7	Inject into drip
Tomato	gallons/acre		days starting	or sprinkler
	(0.12 to 0.24	4	10 days after	irrigation
	lbs. ai/acre)		planting	system
			Apply every 7	
	1.1 to 1.6		days starting at	Inject into drip
	gallons/acre	4	beginning of	or sprinkler
	(0.24 to 0.35	1	physiological	irrigation
	lbs. ai/acre)		maturity	system
Grapes,	0.55 to 1.1		2 apps at 20 cm	
Kiwi	Gallons/Acre		shoots then 3 to	
	(0.12 to 0.24	5 – 6	4 apps from fruit	Foliar spray
	lbs. ai./acre)		set up to 20 days	
			before harvest	

Сгор	BIOREND® Use Rate	Number of Applications	Application Time	Application Methods
Lemon, Orange, Clementine, Grapefruit, Lime, Tangerine	0.55 to 1.1 Gallons/Acre (0.12 to 0.24 lbs. ai./acre)	3 - 4	Spring - Summer	Foliar Spray
Peach, Apricot, Nectarine, Cherry, Plum, Prune, Olive	0.55 to 1.1 Gallons/Acre (0.12 to 0.24 lbs. ai./acre)	3 - 4	Starting at Bloom and every 7 days, up to 4 applications	Foliar Spray
Apple, Pear	0.55 to 1.1 Gallons/Acre (0.12 to 0.24 lbs. ai./acre)	3 - 4	One application at fruit set. Then starting in mid- June every 10 days up to 4 applications	Foliar Spray
Blueberry, Raspberry, Blackberry	0.55 to 1.1 Gallons/Acre (0.12 to 0.24 lbs. ai./acre)	3-4	From sprouting up to fruit-set	Foliar Spray
Walnut, Almond, Hazelnut	0.55 to 1.1 Gallons/Acre (0.12 to 0.24 lbs. ai./acre)	4-6	Start in bloom with female flower exposed Repeat every 7 to 10 days	Foliar Spray

Сгор	BIOREND® Use Rate	Number of Applications	Application Time	Application Methods
Beans, Carrots, Celery, Cucumbers, Eggplant, Garlic, Ginseng, Herbs, Leek, Lentils, Lettuce, Melons, Onions, Peas, Peppers, Potatoes, Pumpkins, Squash, Strawberries, Sweet Potatoe Tomatoes	0.55 to 1.1 Gallons/Acre (0.12 to 0.24 lbs. ai./acre)	4 - 6	Start 25 days after transplanting. Repeat every 10 days up to 6 applications	Foliar Spray
<u>Greenhouse and</u> <u>Nursery Plant</u> : Potted plants Flowers (roses, etc) Vegetables Herbs Shrubs, Fruit trees Vines, Avocado	1% by volume mixture (12.8 fluid ounces/10 gallons mixture) (0.022 lbs. ai./10 gallons)	4 - 6	Apply every 7 days up to 6 applications	Foliar spray to run-off (25 to 200 gallons / acre).(0.06 to 0.44 lbs. ai./acre)
<u>Nurseries</u> Eucalyptus and Pine Trees	5 % by volume mixture (0.5 gallons /10 gallons mixture) (0.11 lbs. ai./10 gallons)	2	30 and 60 days after emergence	Foliar spray 0.35 fluid ounces of 5% mixture/plant
Сгор	BIOREND®	Number of	Application	Application

	Use Rate	Applications	Time	Methods
Eucalyptus transplants	15% by volume mixture (1.5 gallons/10 gallons mixture) (0.33 lbs. ai./10 gallons)	1	Transplanting	Dip roots of seedlings in mixture prior to transplanting
Pine tree transplants	20% by volume mixture (2 gallons/10 gallons mixture) (0.44 lbs. ai./10 gallons)	1	Transplanting	Dip roots of seedlings in mixture prior to transplanting
Turf:Bent grassBermuda grassBluegrassCentipede grassDichondraFescueRye grassWheat grassZoysia grassSt. Augustine	0.55 to 1.1 Gallons/Acre (0.12 to 0.24 lbs. ai./acre)	4 - 6	When grass Is actively growing Repeat applications on 7 day intervals as needed	Inject into irrigation line or apply as a Foliar Spray
<u>Cereal Grains</u> : Barley Oats Rice Wheat	0.55 to 1.1 Gallons/Acre (0.12 to 0.24 lbs. ai./acre)	4 - 6	Begin applications prior to period of normal disease development Repeat applications on 7 day intervals as needed	Inject into irrigation line or apply as a Foliar Spray

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal **Pesticide Storage**: Store in a cool dry place. Avoid freezing.

Pesticide Disposal: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Do not contaminate water when disposing of equipment wash water or rinsate. Pesticide wastes may be toxic. Improper disposal of unused pesticide, wash water or rinse water is a violation of federal law.

Container Disposal: Non-refillable container. 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. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinance.

Warranty Statement

Ag NuBio warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible 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 manner of use or application, all of which are beyond the control of Ag NuBio To the extent consistent with applicable law, Ag NuBio shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. To the extent consistent with applicable law, the exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall not exceed the purchase price paid for this product or at Ag NuBio election, the replacement of this product. Ag NuBio MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.