84059-6

UNITED STATES ENVIRONMENTAL PROTECTIC GENCY

FEB 26, 2013

Marrone Bio Innovations 2121 Second Street, Ste. B-107 Davis, California Attn: Keith Pitts

Subject: Notification to add Alternate Brand Name for Regalia Maxx per PR Notice 98-10

Product Name: **Regalia Maxx.** Alternate Brand Name: **Regalia Rx Biofungicide.** EPA Reg. No: **84059-6.** Your Submission dated, February 5, 2013.

Dear Mr. Pitts:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under Pesticide Registration (PR) Notice 98-10 dated above. A preliminary screen of this request has been conducted for its applicability under PR Notice 98-10 and it has been determined that the action requested falls within the scope of PR Notice 98-10. Our records have been duly noted, and the label submitted with this application has been stamped "Notification Accepted" and will be placed accordingly in our records.

Three (3) copies of final printed labeling must be submitted to the Agency before your product as modified, may be sold or distributed [PR Notice 82-2 and 40 CFR 156.10(a) (6)].

If you have any questions concerning this action, please feel free to contact Mr. Sylvester George at (703) 603-0688 or email at george.sylvester@epa.gov.

Sincerely,

Linda Hollis

Linda Hollis, Chief Biochemical Pesticides Branch Biopesticides and Pollution Prevention Division (7511P)

CONCURRENCES							
SYMBOL 🕨	7511P						
SURNAME	GEORGE						
DATE	2/26/2013						

EPA Form 1320-1A (1/90)

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ease read instructions on reverse before completing form.	Eorm Approved,	OMB No. 2070-006	o Print Form
United States Environmental Protection Ag Washington, DC 20460	gency ×	Registration Amendment Other	OPP Identifier Number
Application for	r Pesticide - Section		
Company/Product Number 34059/84059-6	2. EPA Product Manager Linda Hollis	3.1	Proposed Classification
Company/Product (Name) Marrone Bio Innovations/Regalia Maxx	PM# 91	ļĽ	None Restricted
Name and Address of Applicant (Include ZIP Code) Marrone Bio Innovations 2121 Second St., Ste. B-107, Davis, CA 95618	6. Expedited Review. (b)(i), my product is sim to: EPA Reg. No Product Name		tom Aicceptetho
	ection - II	<u> </u>	Stiwale Marjo
Resubmission in response to Agency letter dated X Notification - Explain below.		etion. elow.	lia Du Diofunciaida" faz
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EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.



February 5, 2013

Linda Hollis Biochemical Pesticides Branch Biopesticides and Pollution Prevention Division Office of Chemical Safety and Pollution Prevention (7511P) U.S. Environmental Protection Agency One Potomac Yard 2777 South Crystal Drive Arlington, VA 22202

Subject: Notification of Alternate Branch Name per PR Notice 98-10 for Regalia Maxx (EPA Reg. No. 84059-6)

Dear Ms. Hollis:

Please find enclosed a notification of alternate branch name per PR Notice 98-10. The alternate brand name "Regalia Rx Biofungicide" will be used on a corn/soy/cereal grain crops sub-label. Two copies of final printed labeling for the sub-label bearing this alternate brand name have been included with this application.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of e FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of e FIFRA.

Please contact me at <u>kpitts@marronebio.com</u> or at (530) 750-2800 if you have any questions or comments. Thank you for your assistance.

Sincerely,

Keith Pitts VP, Regulatory and Governmental Affairs

2121 Second Street, Suite B-107

Davis, CA 95618

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	glass d	f water if able to swallow. Do not ind	diately for treatment advice. Have person sip a luce vomiting unless told to do so by the poison ing by mouth to an unconscious person.		
	IF ON SKIN Take of	ff contaminated clothing. Rinse sk	in immediately with plenty of water for 15-20		
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	CAN BE USED IN ORGANIC		a control center or doctor, or if going for treatment.		
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201 North Westpor	t Ave. • Sioux Falls, SD 57107 51 • Fax: (605) 978-0463	THIS ORDER WITHOUT AN AUTHORIZED SIGNATURE	Signed		Date

(1,1) -1- 61276 Regalia Maxx-CSW LF.indd 8/30/12 7:22 AM

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear goggles or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

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

Waterproof gloves

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 RECOMMENDATION

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

For Terrestrial Uses: 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 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 exemptions pertaining to the statements on this label about personal protective equipment (PPE) and the restricted-entry interval (REI). 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
- Protective evewear
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GENERAL INFORMATION

Regalia® Rx is an extract from the plant *Reynoutria* spp. for use on edible crops. Regalia® Rx applied to actively growing plants (see DIRECTIONS FOR USE) will improve plant health, and will help make the treated portions resistant to certain plant diseases. Plant health benefits often result in greater yields at harvest. Use Regalia® Rx as a preventative rather than a curative application. Apply prior to disease infestation to protect the growing leaf tissue. See Specific information for diseases controlled and use rates on edible crops.

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applied to the host plant, increases the plant's defer and strengthens cell walls. This induced resistanc	material contains active chemical compounds. The extract, when new system due to a five-fold increase in phenolics and antioxidants, e against important diseases is not systemic, but provides some t 7- 14 day intervals to maintain induction and to protect new plant one to two days.

Use Regalia® Rx, therefore, as a preventative treatment.

MIXING AND APPLICATION INSTRUCTIONS

- SHAKE WELL PRIOR TO USE -

Regalia® Rx is a micro-emulsion concentrate consisting of certain ingredients extracted from Reynoutria spp. Use 50mesh nozzle screens or larger.

Use higher water volumes with larger sized crops and extensive foliage to secure thorough coverage.

Regalia® Rx alone: Add ½ of the required amount of water to the mix tank. With the agitator running, add the Regalia® Rx to the mix tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the Regalia® Rx has completely dispersed into the mix water. Maintain agitation until all the mixture has been applied.

Regalia® Rx + tank mixtures: Add 1/2 - 3/4 of the required amount of water to the mix tank. Start the agitation before adding any tank mix partners. In general, tank mix partners should be added in this order: wettable powders, dry flowable formulations, liquid flowable formulations, and emulsifiable formulations such as Regalia® Rx. Always allow each tank mix partner to become completely dispersed before adding the next component. Maintain continuous agitation until all components have been dispersed and throughout the application process. After all components are completely dispersed add the remainder of the water. Regalia® Rx cannot be mixed with another product with a prohibition against mixing. Use of the tank mix must be in accordance with the more restrictive label limitations and precautions. Do not pre-mix Regalia® Rx with any other tank mix component prior to adding to the spray tank.

Compatibility: Do not combine Regalia® Rx in the spray tank with pesticides, adjuvants, or fertilizers if there has been no previous experience or use of the combination to show it is physically compatible, effective, and non-injurious under your use conditions.

Regalia® Rx is compatible with many commonly used pesticides, fertilizers, adjuvants, and surfactants, but has not been evaluated with all potential combinations. To ensure compatibility of the tank mix combinations, evaluate prior to use as follows: Using a suitable container, add the proportional amounts of product to water. Add wettable powders first, then water dispersible granules, then liquid flowables, and lastly, emulsifiable concentrates. Mix thoroughly and let stand for at least five minutes. If the combination stays mixed or can be remixed, it is physically compatible. Test the mix on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of the application.

AERIAL APPLICATION INSTRUCTIONS

Apply Regalia® Rx by aerial application to the Edible Crops listed at the rate of 4 - 8 fluid ounces per acre in a minimum of 5 gallons of water per acre unless specified differently in the SELECTED CROPS section. Increasing the amount of water applied per acre may improve product performance. Follow all instructions to reduce aerial drift.

AERIAL DRIFT REDUCTION ADVISORY INFORMATION

GENERAL: Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many c equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. Where states have more stringent regulations, they should be observed. Note: This section is advisory in nature and does not supersede the mandatory label requirements.

INFORMATION ON DROPLET SIZE: The most effective way to reduce drift potential is to apply arge droplets. The best drift management strategy is to apply droplets large enough to provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversions).

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extract, when d antioxidants, provides some tect new plant	CONTROLLING DROPLET SIZE: Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets. Pressure – Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When high flow rates are needed, use higher flow rate nozzles instead of increasing pressure. Number of Nozzles – Use the minimum number of nozzles that provide uniform coverage. Nozzle Orientation – Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential. Nozzle Type – Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles.	Regalia® Rx below towa Crop Cereal Gr
gp. Use 50-	Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift. BOOM WIDTH: For aerial applications, the boom width must not exceed 75% of the wingspan or 90% of the rotary blade. Use upwind swath displacement and apply only when wind speed is 3-10 mph as measured by an anemometer. Use medium or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles. If application includes a no-spray zone, do not release spray at a height greater than 10 feet above the ground or crop canopy.	Rice Wheat
d the Regalia® solution after been applied.	APPLICATION HEIGHT: Do not make applications at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.	
jitation before powders, dry Always allow in continuous I components	SWATH ADJUSTMENT: When applications are made with a crosswind, the swath will be displaced downward. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, etc.).	
product with a imitations and spray tank. here has been	WIND: Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.	
njurious under	TEMPERATURE AND HUMIDITY: When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.	
t has not been prior to use as ders first, then d let stand for t the mix on a ne application.	TEMPERATURE INVERSIONS: Do not apply during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small, suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. SENSITIVE AREAS: The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g.	
ction of many	when wind is blowing away from the sensitive areas). Do not allow spray to drift from the application site and contact c people, structures people occupy at any time and the associated property, parks and recreation areas, non-target crops, c aquatic and wetland areas, woodlands, pastures, rangelands, or animals.	
gulations, they requirements.		Regalia [®] R Do not ent
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APPLICATION RATES FOR SELECTED CROPS

Regalia[®] Rx used as specified will improve plant health, and induce the defense system of the treated plants listed below towards the diseases specified below.

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Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Cereal Grains Rice Wheat	Powdery Mildew (Erysiphe graminis) Bacterial Blight and Streak (Xanthomonas spp.) Brown Rot, Leaf Spots & Smuts (Ceratobasidium spp.) (Cercospora spp.) (Cochliobolus spp.) (Drechslera spp.) Rice Blast (Pyricularia grisea) Rust (Puccinia spp.) Septoria Leaf Spot	Foliar (Ground)	8 – 16 fluid ounces per acre	For ground applications to optimize disease control and to maximize yields, apply this product in 15 - 40 gallons of water per acre. It is important to apply this product at the flag leaf stage to maximize yield. Apply this prod- uct preventatively or when the first disease symptoms appear. Repeat applications in 7 - 14 da intervals depending upon crop growth and disease pressure. When the plants are under high disease pressure, tank mix this product with another fungicide for more effective control.
	(Septoria spp.) Sheath Spot and Blight (Rhizoctonia oryzae) (Thanatephorus cucumeris) Stem Rot (Sclerotium oryzae) Smut (Tilletia barclayana)	Foliar (Aerial)	4 8 fluid ounces per acre	For aerial applications, apply thi product in a minimum of 5 gal- lons water per acre. It is important to apply this product at the flag leaf stage to maximize yield. Apply this prod- uct preventatively or when the first disease symptoms appear. Repeat applications in 7 - 14 da intervals depending upon crop growth and disease pressure. When the plants are under high disease pressure, tank mix this product with another registered fungicide for more effective control.

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Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructio	ons	Cro
Corn Field Corn Popcorn Silage Corn Seed Corn and other corn crops (includes crops grown for seed)	Anthracnose Leaf Blight (Colletotrichum graminicola) Eye Spot (Aureobasidium zeae) Gray leafspot (Cercospora zeae-maydis) Rusts (Puccinia spp.) Northern Leaf Blight (Exserohium turcicum)	Foliar (Ground)	4 – 16 fluid ounces per acre	For ground applications to optimize disease control ar maximize yields, apply 8 – ounces of this product prev tively in 15 - 40 gallons of v per acre prior to disease de ment using sufficient volum thorough coverage. For improved performance, apply 4 – 16 fluid ounces o product in a tank mix with a registered fungicide. Consu- local Extension Specialist of Consultant regarding the op timing of fungicide applicat	16 fluid venta- vater evelop- ne for , f this another Jt your or Crop ptimum	Soybear
	Northern Leaf Spot (Cochiliobus carbonum) Southern Leaf Blight (Cochliobolus heterostrophus)	Foliar (Aerial)	4 – 8 fluid ounces per acre	For aerial applications, app product in a minimum of 3 of water per acre.	ly this	
Do not enter or a	allow worker entry into treat	ted areas during t	he restricted-ent	ry interval (REI) of 4 hours.		Regalia®
Do not enter or a	allow worker entry into treat	ted areas during t	he restricted-ent	, , , , , , , , , , , , , , , , , , , 		Do not e Many con of the ma active ing The altern used in m
Do not enter or a	allow worker entry into treat	ted areas during t	he restricted-ent	6666		Regalia® Do not e Many con of the ma active ingr The altern used in m Follow lab

ctions	Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions	Do not con
s to b) and to 8 – 16 fluid preventa- of water e develop- blume for nce, es of this vith another onsult your ist or Crop ne optimum blocking	Soybean	Aerial Web Blight (Rhizoctonia solani) Alternaria Leafspot (Alternaria spp.) Anthracnose (Colletotrichum truncatum) Asian Soybean Rust (Phakopsora pachyrhizi) Brown Spot (Septoria glycines) Cercospora Blight (Cercospora kikuchii) Frog-eyed Leaf Spot	Foliar (Ground)	4 - 16 fluid ounces per acre	For ground applications to optimize disease control and to maximize yields, apply 8 - 16 fluid ounces of this product preventatively in 15 - 40 gallons of water per acre. For improved performance, apply 4 - 16 fluid ounces of this prod- uct in a tank mix with another registered fungicide. Consult your local Extension Specialist or Crop Consultant regarding the optimum timing of fungicide applications.	Pesticide S Pesticide I wastes can such progra Container container (c equipment and recap. or disposal recycling if by state an Container follows: Err Replace an
ications. apply this if 3 gallons rs .		(Cercospora sojina) Pod and Stem Blight (Diaporthe spp.) Septoria Brown Spot (Septoria glycines) White Mold (Sclerotinia sclerotiorum)	Foliar (Aerial)	4 - 8 fluid ounces per acre	For aerial applications, apply this product in a minimum of 3 gallons of water per acre. For improved performance, apply this product in a tank mix with another registered fungicide. Consult your local Extension Specialist or Crop Consultant regarding the optimum timing of fungicide applications.	revolution, over onto i mix tank o available, c local ordina Marrone Bi Visit http:// empty pest

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

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INTEGRATED PEST MANAGEMENT (IPM)

Many conventional fungicides have been tested in an IPM regime with Regalia® Rx with very satisfactory results. One of the major objectives of IPM has been to reduce the probability of disease resistance development to a particular active ingredient.

The alternate use of (1-2 sprays) followed by a conventional, registered fungicide (1-2 sprays) has been successfully used in many crops. In addition, the use of tank mixes with a conventional fungicide has also been successful.

Follow label instructions of the particular registered product: Do not exceed amounts or treatment intervals on the label. ¢

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US Patents N Regalia® is a Marrone Bio I © Marrone E 2121 Second 1-877-664-44 www.marrone info@marrone

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to and to - 16 uct	Pesticide Storage: Store in a cool, dry place. Avoid neezing. Pesticide Disposal: To avoid wastes, use all material in this container by application according to la wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal such programs are run by state or local governments or by industry).			
gallons ce, apply s prod- other sion	Container Handling (under 5 gallons): Non-refillable container. Do not reuse or refill this contain container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1 and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rins or disposal. Drain for 10 seconds after the flow begins to drip. Fill the container the recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn by state and local ordinances.	into applicat 4 full with wa ate for later s. Then offer	tion ater use for	A plant of bacterial
pply n of 3 ce, apply	Container Handling (over 5 gallons): Non-refillable container. Do not reuse or refill this container follows: Empty the remaining contents into application equipment or a mix tank. Fill the container by Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at leas revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Tu over onto its other end and tip it back and forth several times. Empty the rinsate into application mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. The offer available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allow local ordinances.	full with was t one compl rn the contain equipment of r for recyclin	ter. lete iner or a g if	Active inc Other inc Total EPA Reg. N
< with side. sion	Marrone Bio Innovations is a member of the Ag Container Recycling Council. Visit http://www.acrecycle.org/contact.html for information on how to arrange pick-up of this empty pesticide container.	- 		
iltant ming of	WARRANTY To the extent consistent with applicable law, the seller makes no warranty, expressed or implied, o fitness or otherwise concerning use of this product. The user assumes all risks of use, storage or han in strict accordance with the accompanying directions.			IF SWAL
	Label date: Dec 5, 2011			IF ON SH
· ·	Made in the U.S.A.			OR CLO
sults. One particular Iccessfully	US Patents No. 4,863,734 and No. 5,989,429 Regalia® is a trademark of Marrone Bio Innovations, Inc. Marrone Bio Innovations' name and logo are registered trademarks of Marrone Bio Innovations, Inc.			IF INHAL
۔ اب	© Marrone Bio Innovations, Inc. 2121 Second St., Suite B-107, Davis, CA 95618			
1 the label.	1-877-664-4476 www.marronebio.com info@marronebio.com	66666 6 6 6 6 6 6 6 6	ζ(` ί, ί ί, ί, ί ί, ί, ι . ί	Have the
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Notification Accepted	
Date: Feb 26,2013	
Reviewer: Sylvester George	

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red		to boost the plants' defense me as, and to improve plant health.	chanisms to protect against certain fungal and	
as er. ete	Other ingredient	ts:	<i>is</i>	
ner ra gif ınd	Total EPA Reg. No. 8405			
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lity, not	IF SWALLOWED	glass of water if able to swallow. Do	immediately for treatment advice. Have person sip a not induce vomiting unless told to do so by the poison e anything by mouth to an unconscious person.	
	IF ON SKIN OR CLOTHING:	Take off contaminated clothing. Ri minutes. Call a poison control center	inse skin immediately with plenty of water for 15-20 er or doctor for treatment advice.	
	IF INHALED:		is not breathing, call 911 or an ambulance, then give outh-to-mouth if possible. Call a poison control center æ.	
	IF IN EYES:		gently with water for 15-20 minutes. Remove contact nutes, then continue rinsing eye. Call a poison control e.	
	Have the product	container or label with you when calling a	a poison control center or doctor, or if going for treatment.	1
	CAN BE USED		د د د د د د د د د د د د د د د د	
		T CONTENTS:	Marron e Bio Innovations	
	2.5 gallo	ons	2121 Second St., Ste. B-107, Davis, CA 95618,USA	
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	o boost the plants' defense mechanisms to protec , and to improve plant health.	t against certain fungal and		
Other ingredient:	: Extract of Reynoutria sachalinensis			
Total EPA Reg. No. 84059	-6 .			
	KEEP OUT OF REACH OF CHILD CAUTION	REN		
	First Aid			
IF SWALLOWED	Call poison control center or doctor immediately for treating glass of water if able to swallow. Do not induce vomiting u control center or doctor. Do not give anything by mouth to	niess told to do so by the poison		
IF ON SKIN OR CLOTHING:	Take off contaminated clothing. Rinse skin immediately minutes. Call a poison control center or doctor for treatment			
IF INHALED:	Move person to fresh air. If person is not breathing, call 9 artificial respiration, preferably by mouth-to-mouth if possi or doctor for further treatment advice.	911 or an ambulance, then give ble. Call a poison control center		
IF IN EYES:	Hold eye open and rinse slowly and gently with water for tenses, if present, after the first 5 minutes, then continue n center or doctor for treatment advice.	15-20 minutes. Remove contact nsing eye. Call a poison control		
Have the product c	L ontainer or label with you when calling a poison control center of	or doctor, or if going for treatment.		
CAN BE USED				r
NET	CONTENTS:	Marrone		
2.5 galloi		St., Ste. B-107, Davis, CA 95618 USA		
REGRX-CORNSOYW		nfo@marronebio.com		

61276 Regalia Maxx-CSW BL Indd 1 PROOF F THIS PROOF IS TO BE CHECKED FOR ACCURACY

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Please review and approve Text, Spelling, Copy Placement, Size, Shape, Colors and Dieline.

Authorized signature accepts responsibility for accuracy of all copy, color break and artwork. Cimarron Label is not liable for any discrepancies subsequently identified.

PLEASE NOTE: Due to color variance between printers/monitors, the colors represented by this proof cannot be deemed accurate. Please refer to a color matching system such as the Pantone Matching System for a truer representation of spot colors.

THIS PROOF IS NOT ACCURATE FOR COLOR-MATCH. Dieline does not print.

Cimarron Label Experts in Extended Text Labeling

4201 North Westport Ave. • Sioux Falls, SD 57107 Phone: (605) 978-0451 • Fax: (605) 978-0463

		8/30/12 7:21 AM
DATE	JOB NUMBER	CUSTOMER
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BLK 266 576	BLK 266 576	
Form: CS 006L - 11/8/2011		
	ARTWORK IS APPROVED	REVISED PROOF NEEDED
WE CANNOT PROCESS THIS ORDER WITHOUT AN AUTHORIZED SIGNATURE Signed_		Date

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear goggles or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

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

Waterproof gloves

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 RECOMMENDATION

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

For Terrestrial Uses: 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 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 exemptions pertaining to the statements on this label about personal protective equipment (PPE) and the restricted-entry interval (REI). 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
- Protective eyewear

GENERAL INFORMATION

Regalia® Rx is an extract from the plant *Reynoutria* spp. for use on edible crops. Regalia® Rx applied to actively growing plants (see DIRECTIONS FOR USE) will improve plant health, and will help make the treated portions vesistant to certain plant diseases. Plant health benefits often result in greater yields at harvest. Use Regalia® Rx as a preventative rather than a curative application. Apply prior to disease infestation to protect the growing leaf tissue. See SpecificCinformation for diseases controlled and use rates on edible crops.

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y glasses. Wash r using the toilet.	The extract obtained from <i>Reynoutria</i> spp. plant material contains active chemical compounds. The extract, when applied to the host plant, increases the plant's defense system due to a five-fold increase in phenolics and antioxidants, and strengthens cell walls. This induced resistance against important diseases is not systemic, but provides some translaminar protection. Repeat foliar applications at 7-14 day intervals to maintain induction and to protect new plant growth. The resistance induction takes place within one to two days.
	Use Regalia® Rx, therefore, as a preventative treatment.
	MIXING AND APPLICATION INSTRUCTIONS – SHAKE WELL PRIOR TO USE –
es, use detergent	Regalia [®] Rx is a micro-emulsion concentrate consisting of certain ingredients extracted from <i>Reynoutria</i> spp. Use 50- mesh nozzle screens or larger.
•	Use higher water volumes with larger sized crops and extensive foliage to secure thorough coverage.
	Regalia® Rx alone: Add ½ of the required amount of water to the mix tank. With the agitator running, add the Regalia® Rx to the mix tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the Regalia® Rx has completely dispersed into the mix water. Maintain agitation until all the mixture has been applied.
tidal areas below te. Iy this product in rs may be in the ible for pesticide	Regalia® Rx + tank mixtures: Add $\frac{1}{2}$ - $\frac{3}{4}$ of the required amount of water to the mix tank. Start the agitation before adding any tank mix partners. In general, tank mix partners should be added in this order: wettable powders, dry flowable formulations, liquid flowable formulations, and emulsifiable formulations such as Regalia® Rx. Always allow each tank mix partner to become completely dispersed before adding the next component. Maintain continuous agitation until all components have been dispersed and throughout the application process. After all components are completely dispersed add the remainder of the water. Regalia® Rx cannot be mixed with another product with a prohibition against mixing. Use of the tank mix must be in accordance with the more restrictive label limitations and precautions. Do not pre-mix Regalia® Rx with any other tank mix component prior to adding to the spray tank.
	Compatibility: Do not combine Regalia [®] Rx in the spray tank with pesticides, adjuvants, or fertilizers if there has been no previous experience or use of the combination to show it is physically compatible, effective, and non-injurious under your use conditions.
R Part 170. This nd greenhouses notification and nts on this label s box only apply	Regalia* Rx is compatible with many commonly used pesticides, fertilizers, adjuvants, and surfactants, but has not been evaluated with all potential combinations. To ensure compatibility of the tank mix combinations, evaluate prior to use as follows: Using a suitable container, add the proportional amounts of product to water. Add wettable powders first, then water dispersible granules, then liquid flowables, and lastly, emulsifiable concentrates. Mix thoroughly and let stand for at least five minutes. If the combination stays mixed or can be remixed, it is physically compatible. Test the mix on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of the application.
i. Indithat invalvas	AERIAL APPLICATION INSTRUCTIONS
nd that involves	Apply Regalia [®] Rx by aerial application to the Edible Crops listed at the rate of 4 - 8 fluid ounces per acre in a minimum of 5 gallons of water per acre unless specified differently in the SELECTED CROPS section. Increasing the amount of water applied per acre may improve product performance. Follow all instructions to reduce aerial drift.
	AERIAL DRIFT REDUCTION ADVISORY INFORMATION
	GENERAL: Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. Where states have more stringent regulations, they consolid be observed. Note: This section is advisory in pature and does not supersede the mandatory label course of the section.

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served. Note: This section is advisory in nature and does not supersede the mandatogy apel gequirements. snould be or

INFORMATION ON DROPLET SIZE: The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply droplets large enough to provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversions). . .

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iantioxidants, provides some pressures. For many nozzle types, lower pressure produces larger droplets. Number of Nozzles – Use the minimum number of nozzles that the spray is released parallel to the airstream produces larger droplets is than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential. Nozzle Type – Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray ancording to Nazles and the lowest drift. Bood WUDTH: For areit application, the boam width must not exceeded 75% of the wingspan or 90% of the rolary blade. Use upvind swath displacement and apply only when wind speed is 3-10 mph as measured by an anemometer. Use medium or coarser spray according to ASAE 572 definition for standard nozzles that in 10 feet above the ground is a splication. The application includes a no-spray zone, do not release spray at a height greater than 10 feet above the ground is a spray tank. Applications are made with a crosswind, the swath will be displaced downward. Therefore, on the ug and downwind edges of the field, the application must compensate for the idingalecement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential in continuous in domind edges of the field, the application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. For many in a concentrated cloud. This compensate for vapopration. Droplet evaporation and wind. Strenger droplets to compensate for vapopration, bropker droplets to compensate for vapopration is most severe when conditions are both hot and dy. TEMPERATURE AND HUNDITY: When making applications in tow relative humidity, set up equipment to produce the application is with easing the portaurus with alticubae and opticate sing of the origin to respense the origin to respense the oring of the origin tor prev			
 ect new plant provide uniform coverage. Nozzle Orientation – Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential. Nozzle Type – Use a nozzle type that is designed for the intended supplication. With most nozzle types, narrower spray angles produce larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential. Nozzle Type – Use a nozzle type that is designed for the intended supplication. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles or intende the larger stream nozzles. If application includes a no-spray zone, do not release spray at a height greater than 10 feet above the ground or crop canopy. APPLICATION HEIGHT: Do not make applications at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind. SWATH ADJUSTMENT: When applications are made with a crosswind, the swath will be displaced downwad. Therefore, on the up and downwind deges of 12-10 mph. However, many factors, including droplet size and equipment type determine of the policitations. Including droplet size and equipment type determine and yelfect spray drift. TEMPERATURE AND HUMDITY: When making applications in tow relative humidity, su tup equipment to produe larger droplets to companse and for variable wind forcentian and inversion. Droplet evaporation is most server when conditions are both hot and dy. TEMPERATURE IND HUMDITY: When making applications in owrestine worians are othan variable wind common on ingits with limited d	extract, when d antioxidants,	with higher rated flows produce larger droplets. Pressure – Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When high flow rates are needed, use	Regalia® Ry below towa
 spp. Use 50- spp. Use 50-<	tect new plant	produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential. Nozzle Type – Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles.	Crop Cereal G
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APPLICATION RATES FOR SELECTED CROPS

Regalia[®] Rx used as specified will improve plant health, and induce the defense system of the treated plants listed below towards the diseases specified below.

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Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions
Cereal Grains Rice Wheat	Powdery Mildew (Erysiphe graminis) Bacterial Blight and Streak (Xanthomonas spp.)	Foliar (Ground)	8 – 16 fluid ounces per acre	For ground applications to optimize disease control and to maximize yields, apply this product in 15 - 40 gallons of water per acre.
,	Brown Rot, Leaf Spots & Smuts (<i>Ceratobasidium</i> spp.) (<i>Cercospora</i> spp.) (<i>Cochliobolus</i> spp.) (<i>Drechslera</i> spp.) Rice Blast			It is important to apply this product at the flag leaf stage to maximize yield. Apply this prod- uct preventatively or when the first disease symptoms appear. Repeat applications in 7 - 14 da intervals depending upon crop growth and disease pressure.
	(<i>Pyricularia grisea</i>) Rust (<i>Puccinia</i> spp.) Septoria Leaf Spot			When the plants are under high disease pressure, tank mix this product with another fungicide for more effective control.
	(Septoria spp.) Sheath Spot and Blight (Rhizoctonia oryzae) (Thanatephorus	Foliar (Aerial)	4 – 8 fluid ounces per acre	For aerial applications, apply this product in a minimum of 5 gal- lons water per acre.
	cucumeris) Stem Rot (Sclerotium oryzae)			product at the flag leaf stage to maximize yield. Apply this prod- uct preventatively or when the
	Smut (<i>Tilletia barclayana</i>)			first disease symptoms appear. Repeat applications in 7 - 14 da intervals depending upon crop growth and disease pressure.
				When the plants are under high disease pressure, tank mix this product with another registered fungicide for more effective

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Crop	Target Disease	Application Method	Product Use Rate per Application	Application Instructions	Cro
Corn Field Corn Popcorn Silage Corn Seed Corn and other corn crops (includes crops grown for seed)	Anthracnose Leaf Blight (Colletotrichum graminicola) Eye Spot (Aureobasidium zeae) Gray leafspot (Cercospora zeae-maydis) Rusts (Puccinia spp.) Northern Leaf Blight (Exserohilum turcicum) Northern Leaf Spot	Foliar (Ground)	4 – 16 fluid ounces per acre	For ground applications to optimize disease control and to maximize yields, apply 8 – 16 fluid ounces of this product preventa- tively in 15 - 40 gallons of water per acre prior to disease develop- ment using sufficient volume for thorough coverage. For improved performance, apply 4 – 16 fluid ounces of this product in a tank mix with another registered fungicide. Consult your local Extension Specialist or Crop Consultant regarding the optimum timing of fungicide applications.	Soybean
	(Cochiliobus carbonum) Southern Leaf Blight (Cochilobolus heterostrophus)	Foliar (Aerial)	4 – 8 fluid ounces per acre	For aerial applications, apply this product in a minimum of 3 gallons of water per acre.	
	a pre-harvest interval (PH				1
-			he restricted-ent	ry interval (REI) of 4 hours.	
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-			he restricted-ent	<u>ry interval (REI) of 4 hours.</u> در در د	Regalia [®] I Do not er Many com of the maj active ingre The alterna used in ma Follow labe

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Target Disease

(Colletotrichum truncatum)

Aerial Web Blight

(Rhizoctonia solani)

Alternaria Leafspot

Asian Soybean Rust

(Septoria glycines)

Cercospora Blight

(Cercospora kikuchii)

Frog-eyed Leaf Spot

Pod and Stem Blight

Septoria Brown Spot (Septoria alycines)

(Sclerotinia sclerotiorum)

(Cercospora sojina)

(Diaporthe spp.)

White Mold

(Phakopsora pachyrhizi)

(Alternaria spp.)

Anthracnose

Brown Spot

ICT	ions	

Crop

Soybean

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apply this of 3 gallons

Irs.

Regalia® Rx has a pre-harvest interval (PHI) of 0 days.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

INTEGRATED PEST MANAGEMENT (IPM)

Product Use

Rate per

Application

4 - 16 fluid

ounces

per acre

4 - 8 fluid

ounces

per acre

Application Instructions

optimize disease control and to

preventatively in 15 - 40 gallons

For improved performance, apply

4 - 16 fluid ounces of this prod-

uct in a tank mix with another

Consult your local Extension

For aerial applications, apply

gallons of water per acre.

this product in a minimum of 3

this product in a tank mix with

another registered fungicide.

Consult your local Extension

Specialist or Crop Consultant

regarding the optimum timing of fungicide applications.

For improved performance, apply

Specialist or Crop Consultant

regarding the optimum timing of

maximize yields, apply 8 - 16

fluid ounces of this product

of water per acre.

registered fungicide.

fungicide applications.

For ground applications to

Application

Method

Foliar

(Ground)

Foliar

(Aerial)

Many conventional fungicides have been tested in an IPM regime with Regalia® Rx with very satisfactory results. One of the major objectives of IPM has been to reduce the probability of disease resistance development to a particular active ingredient.

The alternate use of (1-2 sprays) followed by a conventional, registered fungicide (1-2 sprays) has been successfully used in many crops. In addition, the use of tank mixes with a conventional fungicide has also been successful.

Follow label instructions of the particular registered product: Do not exceed amounts or treatment intervals on the label.

and recap. § or disposal. recycling if a by state and Container H follows: Emp Replace and revolution. fr over onto it: mix tank or

Do not cont:

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Label date: D

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US Patents N Regalia® is a Marrone Bio | © Marrone E 2121 Second 1-877-664-44 www.marrone info@marrone

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available, or local ordinar To the extent

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	Pesticide Storage: Store in a cool, dry place. Avoid freezing.	. 195
to and to - 16 uct	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).	
gallons	Container Handling (under 5 gallons): 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 after the flow begins to drip. Fill the container ¼ full with water	
s prod- other	and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. 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 ordinances.	A plant o
sion Iltant	Container Handling (over 5 gallons): Non-refillable container. Do not reuse or refill this container. Triple rinse as	bacterial
ming of	follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container	Active inc Other inc Total
pply n of 3	over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. 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	EPA Reg.↑
ce, apply	local ordinances.	
k with side. sion	Marrone Bio Innovations is a member of the Ag Container Recycling Council. Visit http://www.acrecycle.org/contact.html for information on how to arrange pick-up of this empty pesticide container.	
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ming of	WARRANTY To the extent consistent with applicable law, the seller makes no warranty, expressed or implied, of merchantability, fitness or otherwise concerning use of this product. The user assumes all risks of use, storage or handling that are not in strict accordance with the accompanying directions.	IF SWAL
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		REG	ALIA® R	· · · ·
		to boost the plants' defense mecl s, and to improve plant health.	hanisms to protect against certain fungal an	nd
	Active ingredient	: Extract of Reynoutria sachalinensis	209	%
I	EPA Reg. No. 84059	9-6	 EPA Est. No. 085970-FL-00 EPA Est. No. 047857-CA-00 EPA Est. No. 61842-CA-001 	01
		KEEP OUT OF REAC CAUT		
[IF SWALLOWED	First A	id mmediately for treatment advice. Have person sip a	
		glass of water if able to swallow. Do n	not induce vomiting unless told to do so by the poisor anything by mouth to an unconscious person.	
	IF ON SKIN OR CLOTHING:		se skin immediately with plenty of water for 15-20	2
	IF INHALED:	Move person to fresh air. If person is	s not breathing, call 911 or an ambulance, then give uth-to-mouth if possible. Call a poison control center	
	IF IN EYES:		gently with water for 15-20 minutes. Remove contac utes, then continue rinsing eye. Call a poison contro	
ĺ	Have the product c	ontainer or label with you when calling a	poison control center or doctor, or if going for treatment	
,	CAN BE USED I	IN ORGANIC PRODUCTION OMRI [®]	((C ((())	
	NET	T CONTENTS:	🔊 Marrone 🗎	
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