

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

April 16, 2015

Cinda L. Bell, Agent SciReg, Inc. Laboratoires Goemar SAS 12733 Director's Loop Woodbridge, VA 22192

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – add

additional crops for control of additional pests.

Product Name: Vacciplant

EPA Registration Number: 83941-2 Application Date: October 21, 2014 OPP Decision Number: 496707

Dear Ms. Bell:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is **acceptable**.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

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 U.S. Environmental Protection Agency (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

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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.

If you have any questions, please contact Ms. Menyon Adams of my team by phone at (703) 347-8496 or via email at adams.menyon@epa.gov.

Sincerely,

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

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Enclosure



STIMULANT OF PLANT DEFENSE REACTIONS

 Other Ingredients:
 96.49%

 Total
 100.00%

KEEP OUT OF REACH OF CHILDREN CAUTION

ACCEPTED

04/16/2015

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under

EPA Reg. No. 83941-2

FIRST AID				
IF SWALLOWED	 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 do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. 			
IF ON SKIN OR CLOTHING	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. 			
 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificing respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. 				
	HOT LINE NUMBER			

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-858-7378 (National Pesticide Information Center) for emergency medical treatment information.

EPA Reg. No. 83941-2 EPA Est. No. 83941-FRA-001

NET CONTENTS: 1.3 gallons (5L)

Group P4 Fungicide

Lot/batch No.

Laboratoires Goëmar SAS

GOËMAR

Parc Technopolitain Atalante

CS41908

35435 SAINT MALO cedex

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

ENVIRONMENTAL HAZARDS

For terrestrial uses: 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 disposing of equipment wash water or rinsate.

PHYSICAL AND CHEMICAL HAZARDS

FOR CHEMICAL EMERGENCY: spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long pants, long-sleeved shirt, shoes plus socks, and chemical-resistant gloves. 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 PPE 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.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read entire label before using. 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. Do not apply this product through any type of irrigation system. Do not apply this product when raining.

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 (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
- Shoes plus socks
- Chemical-resistant gloves made of any waterproof material

GENERAL INFORMATION

Vacciplant® is an extract from the plant *Laminaria digitata* for use on food and non-food crops. Vacciplant 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 Vacciplant 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 food and non-food crops.

Vacciplant can be used as a foliar spray, plant dip, and soil drench to control or suppress certain soil-borne diseases and to promote healthy root growth.

MODE OF ACTION

The extract obtained from *Laminaria digitata* plant material contains active biological compounds. The extract, when applied to the host plant, increases the plant's natural defense system and strengthens cell walls. This induced resistance against important diseases is systemic. Repeat applications according to the Application Instructions to maintain induction and to protect new plant growth. The resistance induction takes place within one to two days. Use Vacciplant, therefore, as a preventative treatment.

PREPARATION OF THE MIXTURE

Shake the container and pour the required amount of Vacciplant into the sprayer tank partially filled with water while filling with the appropriate amount of water. Maintain good agitation. Do not store the mixture overnight.

GENERAL APPLICATION INSTRUCTIONS

Do not apply this product post-harvest. Apply the required amount of Vacciplant according to the table below.

PRE-PLANT DIP / SOIL DRENCH USE DIRECTIONS

Vacciplant can be applied as a pre-plant dip or soil drench application for improved plant health and suppression of certain soil-borne diseases. Apply Vacciplant in a 0.15% v / v solution as a pre-plant dip or soil drench immediately prior to transplanting, unless specified differently in the SELECTED CROPS section.

GREENHOUSE APPLICATION INSTRUCTIONS

Vacciplant can be used in greenhouse applications prior to transplant. At low water volumes, where acreage calculations do not apply, mix Vacciplant at 0.15% v / v solution. Start applications preventatively before the onset of disease.

AERIAL APPLICATION INSTRUCTIONS

Vacciplant may be applied aerially in low volume applications. For any water volume less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre.

APPLICATION RATES FOR SELECTED CROPS

Crop	Target Disease	Application method	Product Use Rate Per Application/acre	Application Instructions
Artichoke*	Powdery Mildew (Erysiphe cichoracearum) (Leveillula taurica) Ramularia Leaf Spot (Ramularia cynarae)	Foliar	14 fl oz - 22 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v/v. Reapply every 7 – 14 days. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.
*	a pre-harvest interval (PHI)	•	restricted-entry inte	erval (REI) of 4 hours

Crop	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Asparagus*	Botrytis Blight (Botrytis cinerea) Rust (Puccinia aspargi)	Foliar	14 fl oz - 22 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v/v. Reapply every 7 – 14 days. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.

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

Target Disease Application **Product Use** Crop **Application Instructions** method Rate per Application/acre Bushberries and Mummy Berry Foliar 14 fl oz - 22 fl oz Start Vacciplant applications preventatively or Caneberries* (Monilinia vacciniiwhen conditions for disease development Blueberry corymbosi) become favorable. At water volumes less than Blackberry (all Alternaria Fruit Rot 70 gallons per acre apply Vacciplant at 14 fl varieties) (Alternaria spp.) oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v/ Cranberry Anthracnose Fruit Rot v. Reapply every 7 – 14 days. Under moderate Currant (Colletotrichum Elderberry acutatum) to heavy disease pressure, tank mix this Gooseberry Bacterial Canker product with another registered fungicide. Huckleberry (Pseudomonas syringae) Mummy Berry – Initiate application at bud **Botrytis Blight** break stage of development. Apply this Juneberry Ligonberry (Botrytis cinerea) product preventatively and repeat on a 7-14 Loganberry Leaf Rust day interval or as needed. For best Raspberry (red (Pucciniastrum vaccinii) performance, tank mix this product with other Leaf Spot and Blotch registered fungicides for Mummy Berry and black) (Mycosphaerella spp.) control. Salal (Septoria spp.) **Botrytis Blight** – Apply this product and other berry Phomopsis Leaf Spot, preventatively when the first disease Twig Blight, and Fruit symptoms are visible and reapply every 7- 14 crops Rot days. (Phomopsis spp.) **<u>Bacterial Canker</u>** – Apply this product prior Powdery Mildew to Fall rains and repeat applications during (Microsphaera alni) dormancy before Spring growth. This product Spur Blight can be tank mixed with another registered (Didymella spp.) fungicide for improved control of bacterial canker. (Phoma spp.) **Anthracnose Fruit Rot and Alternaria Fruit Rot on blueberries** – Initiate application at green tip and continue applications on a 7- 14 day interval.

Vacciplant 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.

Crop	Target Disease	Application method	Product Use Rate per	Application Instructions
		memou	Application/acre	
Bulb Vegetables* Onion (Bulb and Green) Garlic Leek Shallot and other bulb vegetable crops	Bacterial leaf streak (Xanthomonas spp) Botrytis Leaf Blight (Botrytis Squamosa) Botrytis Neck Rot (Botrytis spp.) Downy Mildew (Peronospora spp.) Onion Purple Blotch (Alternaria porri) Powdery Mildew (Erysiphe spp.) Rust (Puccinia porri) Stemphyllium Leaf Blight (Stemphylium vesicarium) Fusarium spp. Pythium spp. Rhizoctonia spp. Yellow soft virus	Foliar Plant Dip / Soil Drench	14 fl oz - 22 fl oz 0.15% v / v solution	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v / v. Reapply every 7 – 14 days. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide. For plant dip and soil drench applications, apply this product in a 0.15% v/v solution (15 fl oz of product per 100 gallons water) as a pre-plant dip or soil drench immediately prior to transplanting.
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Vacciplant 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.

Crop	Target Disease	Application	Product Use	Application Instructions
		method	Rate per	
			Application/acre	
Cereal Grains*	Powdery Mildew	Foliar	14 fl oz - 22 fl oz	To optimize disease control and
Barley	(Erysiphe graminis)			maximize yields, begin applications
Buckwheat	Bacterial Blight and Streak			prior to flag leaf / panicle initiation /
Grain	(Xanthomonas spp.)			floral initiation. Start Vacciplant
Milo	Brown Rot, Leaf Spots &			applications preventatively or when
Oat	Smuts			conditions for disease development
Millets	(Ceratobasidium spp.)			become favorable. At water volumes
Rice	(Cercospora spp.)			less than 70 gallons per acre apply
Rye	(Cochliobolus spp.)			Vacciplant at 14 fl oz per acre. At
Sorghum	(Drechslera spp.)			water volumes above 70 gallons per
Triticale	Rice Blast			acre apply Vacciplant at 0.15% v / v.
Wheat	(Pyricularia grisea)			Reapply every 7 – 14 days.
and other cereal	Rust			Under moderate to heavy disease
grain crops	(Puccinia spp.)			pressure, tank mix this product with
	Septoria Leaf Spot			another registered fungicide.
	(Septoria spp.)			
	Sheath Spot and Blight			
	(Rhizoctonia oryzae)			
	(Thanatephorus			
	cucumeris)			
	Stem Rot			
	(Sclerotium oryzae)			
	Smut			
***	(Tilletia barclayana)			

Vacciplant has a pre-harvest interval (PHI) of 0 days.

Сгор	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Citrus Crops* Orange Grapefruit Lemon Tangelo Tangerine Pummelo and other citrus crops	Bacterial Canker (Xanthomonas spp.) Alternaria Brown Spot (Alternaria alternata) Bacterial Blast (Pseudomonas syringae) Black Spot (Guignardia citricarpa) (Phyllosticta citricarpa) Greasy Spot (Mycosphaerella citri) Melanose (Diaporthe citri) Postbloom Fruit Drop (Colletotrichum acutatum) Scab (Elsinoe australis) (Elsinoe fawcetti)	Foliar	14 fl oz – 60 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 100 gallons per acre apply Vacciplant at 14 fl oz per acre. For high water volume applications (100 – 400 gpa), mix Vacciplant in a 0.15% v / v solution. Repeat applications at 7- 14 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.

Crop	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Cole Crops (Brassicas)* Broccoli Broccoli Rabe Brussels Sprouts Cabbage Chinese Broccoli Chinese Cabbage (Bok Choy) Chinese Cabbage (Napa) Chinese Mustard Cabbage (Gai Choy) Cauliflower Cavalo Collards Kale Kohlrabi Mizuna Mustard Greens Mustard Spinach Rape Greens and other cole crops	Powdery Mildew (Erysiphe cruciferarum) (Erysiphe polygoni) Alternaria Leaf Spot (Alternaria spp.) Downy Mildew (Peronospora parasitica) Pin Rot Complex (Alternaria/Xanthomonas) Xanthomonas Leaf Spot (Xanthomonas campestris)	Foliar	14 fl oz - 22 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v / v. Repeat applications at 7- 14 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.

Vacciplant has a **pre-harvest interval (PHI)** of **0 days**.

Crop	Target Disease	Application method	Product Use Rate per Application / acre	Application Instructions
Corn* Sweet 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) Grey leafspot (Cercospora zeae-maydis) Rusts (Puccinia spp.) Northern Leaf Blight (Exserohilum turcicum) Northern Leaf Spot (Cochiliobus carbonum) Southern Leaf Blight (Cochiliobus carbonum) Southern Leaf Blight (Cochliobolus heterostrophus)	Foliar	14 fl oz - 22 fl oz	To optimize disease control and maximize yields, apply Vacciplant prior to Tassel. Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v / v. Reapply every 7 – 14 days. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.

Сгор	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Cotton*	Alternaria Leaf Spot, Boll Rot (Alternaria spp.) Anthracnose, Boll Rot (Glomeria spp.) Ascochyta Blight, Boll Rot (Ascochyta spp.) Cercospora Blight and Leaf Spot (Cercospora spp.) Diplodia Boll Rot (Diplodia spp.) Hard Lock, Boll Rot (Fusarium spp.) Leaf Spot (Corynespora cassicola) Phoma Blight, Boll Rot (Phoma spp.) Rust (Puccinia spp.) (Phykopsora spp.) Stemphyllium Leaf Spot (Stemphyllium spp.)	Foliar	14 fl oz - 22 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v / v. Repeat applications at 7- 14 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.

Crop	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Cucurbits*	Powdery Mildew	Foliar	14 fl oz - 22 fl oz	Start Vacciplant applications
Includes all types	(Erysiphe cichoracearum)			preventatively or when conditions for
and hybrids of:	(Sphaerotheca fuliginea)			disease development become
Chayote	Anthracnose			favorable. At water volumes less than
Chinese waxgourd	(Colletotrichum			70 gallons per acre apply Vacciplant
Cucumber	lagenarium)			at 14 fl oz per acre. At water volumes
Citron melon	Alternaria Blight			above 70 gallons per acre apply
Gherkin	(Alternaria cucumerina)			Vacciplant at 0.15% v / v.
Pumpkin	Cercospora Leaf Spot			Repeat applications at 7 - 10 day
Watermelon	(Cercospora citrulina)			intervals.
Edible Gourd:	Downy Mildew			Under moderate to heavy disease
Chinese okra	(Pseudoperonospora			pressure, tank mix this product with
Cucuzza	cubensis)			another registered fungicide.
Hyotan	Gummy Stem Blight			1.6
Mormordica spp.:	(Didymella bryoniae)			
Balsam apple	Phytophthora Blight			
Balsam pear	(Phytophthora capsici)			
Bitter melon	Fusarium spp.	Plant Dip / Soil	0.15% v/ v	For plant dip and soil drench
Chinese	Phytophthora spp.	Drench	solution	applications, apply this product in a
cucumber	Pythium spp.	Brenen	Solution	0.15% v/v solution (15 fl oz of
Muskmelon:	Rhizoctonia spp.			product per 100 gallons water) as a
Cantaloupe	Verticillium spp.			pre-plant dip or soil drench
Casaba	verticitium spp.			immediately prior to transplanting
Crenshaw melon				immediately prior to transplanting
Golden pershaw				
melon				
Honeydew melon				
Honey balls				
Mango melon				
Persian melon				
Pineapple melon				
Santa Claus melon				
Snake melon				
Summer Squash:				
Crookneck squash				
Scallop squash				
Straightneck				
squash				
Vegetable marrow				
Zucchini				
Winter Squash:				
Acorn squash				
Butternut squash				
Calabaza				
Hubbard squash				
Spaghetti squash				
and other cucurbit				
crops				
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Crop	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Fruiting Vegetables* Tomato Pepper Eggplant Ground Cherry Okra Tomatillo and other fruiting vegetable crops	Bacterial Blight (Xanthomonas spp.) Bacterial Spot (Xanthomonas spp.) Bacterial Speck (Pseudomonas syringae) Black Mold (Alternaria alternata) Early Blight (Alternaria solani) Grey Mold (Botrytis cinerea) Late Blight (Phytophthora infestans) Phytophthora Blight (Phytophthora capsici) Powdery Mildew (Erysiphe spp.) (Leveillula taurica) (Oidopsis taurica) (Sphaerotheca spp.) Target Spot (Corynespora cassiicola)	Foliar	14 fl oz - 22 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v / v. Repeat applications at 7 - 10 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.
	Fusarium spp. Phytophthora spp. Pythium spp. Rhizoctonia spp. Verticillium spp.	Plant Dip / Soil Drench	0.15% v/ v solution	For plant dip and soil drench applications, apply this product in a 0.15% v/v solution (15 fl oz of product per 100 gallons water) as a pre-plant dip or soil drench immediately prior to transplanting

Crop	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Grape**	Powdery Mildew (Uncinula necator) Angular Leaf Spot (Mycosphaerella angulata) Anthracnose (Elsinoe ampelina) Botrytis Bunch Rot (Botrytis cinerea) Black Rot (Guignardia bidwellii) Downy Mildew (Plasmopara viticola) Eutypa (Eutypa lata) Leaf Blight (Pseudocercospora vitis) Phomopsis Fruit Rot (Phomopsis viticola) Ripe Rot (Colletotrichum gloeosporioides) Sour Rot (Alternaria tenuis) (Aspergillus spp.) (Cladosporium herbarum) (Penicillium spp.) (Rhizopus arrhizus)	Foliar	14 fl oz - 60 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 100 gallons per acre apply Vacciplant at 14 fl oz per acre. For high water volume applications (100 – 400 gpa), mix Vacciplant in a 0.15% v / v solution. Repeat applications at 10 - 14 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.

Crop	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Grass seed*	Powdery Mildew (Erysiphe graminis) (Oidium spp.) (Podosphaera spp.) (Sphaerotheca spp.) Rust (Puccinia spp.)	Foliar	14 fl oz - 22 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v/v. Repeat applications at 7 - 10 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.
Vacciplant has a	pre-harvest interval (PHI) of	0 days.		

		Application method	Product Use Rate per Application/acre	Application Instructions
Hops*	Downy Mildew (Pseudoperonospora humuli) Powdery Mildew (Sphaerotheca macularis)	Foliar	14 fl oz - 22 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v / v. Repeat applications at 7 - 10 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide. Minimum spray volumes for hop growth stages are as follows: Emergence to Training: Apply 14 fl oz of this product per acre using a minimum spray volume of 20 gallons per acre. Coverage will vary with the size of the vines and the type of spray equipment. Apply adequate spray volume to achieve complete spray coverage. Training to Wire-Touch: Apply 14 fl oz of this product per acre using a minimum spray volume of 50 gallons per acre. Coverage will vary with the size of the vines and the type of spray equipment. Apply adequate spray volume to achieve complete spray coverage. Wire-Touch through Harvest: Apply Vacciplant at 0.15% v / v in volumes above 70 gallons per acre. Higher water volumes may be necessary to achieve thorough coverage. Wire-Touch through Harvest: Apply Vacciplant at 0.15% v / v in volumes above 70 gallons per acre. Higher water volumes may be necessary to achieve thorough coverage. For control of Downy Mildew: Tank mix this product with another fungicide labeled for Downy Mildew control and re-apply at a 7-day interval or according to the label directions of the tank mix partner. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.

Crop	Target Disease	Application	Product Use	Application Instructions
		method	Rate per	
Loofy Vogotoblo	Bacterial Blight/Rot	Foliar	Application/acre	Start Vacciplant applications
Leafy Vegetable Crops***	(Xanthomonas spp.)	Tollal	14 11 02 - 22 11 02	preventatively or when conditions
Arugula	Cercospora leafspot			for disease development become
				favorable. At water volumes less
Celery Corn Salad	(Cercospora spp.)			
	Downy Mildew			than 70 gallons per acre apply
Cress	(Bremia lactuca)			Vacciplant at 14 fl oz per acre. At
Dandelion	(Peronospora spp.)			water volumes above 70 gallons per
Dock	Drop			acre apply Vacciplant at 0.15% v /
Edible	(Sclerotinia minor)			V
Chrysanthemum	(Sclerotinia sclerotiorum)			Repeat applications at 7 - 10 day
Endive	Grey mold			intervals.
Fennel	(Botrytis cinerea)			Under moderate to heavy disease
Head Lettuce	Late Blight			pressure, tank mix this product with
Leaf Lettuce	(Septoria apiicola)			another registered fungicide.
Parsley	Pink Rot			
Purslane	(Sclerotinia sclerotiorum)			
Radicchio	Powdery Mildew			
Rhubarb	(Erysiphe cichoracearum)			
Spinach	Sclerotinia Head and Leaf			
Swiss Chard	White Rust			
and other leafy	(Albugo occidentalis)			
vegetable crops				

Vacciplant 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.

Стор	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Legume Vegetables* (not including soybeans and peanuts) Chick Peas Dry Beans Garbanzo Beans Green Beans Lentils Lima Beans Peas Shell Beans Snap Beans Split Peas and other legume crops (including those grown for seed or oil production)	Bacterial Blight (Xanthomonas campestris) Grey Mold (Botrytis cinerea) Pythium (aerial blight phase) (Pythium spp.) Powdery Mildew (Erysiphe spp.) Rust (Puccinia spp.) (Uromyces appendiculatus) White Mold (Sclerotinia sclerotiorum)	Foliar	14 fl oz - 22 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v / v. Repeat applications at 7- 14 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.

Стор	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Mint and Other Herbs/Spices*	Downy Mildew (Peronospora spp.)	Foliar	14 fl oz - 22 fl oz	Start Vacciplant applications preventatively or when
Angelica	Powdery Mildew			conditions for disease
Balm	(Erysiphe spp.)			development become favorable.
Basil	Rust			At water volumes less than 70
Borage	(Puccinia menthae)			gallons per acre apply
Burnet				Vacciplant at 14 fl oz per acre.
Chamomile				At water volumes above 70
Catnip				gallons per acre apply
Chervil				Vacciplant at 0.15% v / v.
Chive				Repeat applications at 7- 14 day
Clary				intervals.
Coriander				Under moderate to heavy
Costmary				disease pressure, tank mix this
Cilantro				product with another registered
Curry				fungicide.
Dillweed				
Horehound				
Hyssop				
Lavender				
Lemongrass				
Lovage				
Marjoram				
Nasturtium				
Parsley (dried)				
Peppermint				
Rosemary				
Sage				
Savory (summer and				
winter)				
Sweet Bay				
Tansy				
Tarragon				
Thyme				
Wintergreen				
Woodruff				
Wormwood				
and other herbs/spices				

Crop	Target Disease	Application method	Product Use Rate per Application	Application Instructions
Oil Seed Crops* (not including cotton, peanut, or soybean) Canola Castor Flax Rapeseed Safflower Sesame Sunflower and other oil seed crops	Bacterial Pustule (Xanthomonas spp.) Bacterial Speck (Pseudomonas syringe pv. glycinea) Brown Spot (Septoria glycines) Cercospora Leaf Spot (Cercospora spp.) Downy Mildew (Peronospora mansherica) Pod and Stem Blight (Diaporthe phaseolorum var. sojae) (Phomopsis longicola) White Mold/ Sclerotinia Stem Rot (Sclerotinia sclerotiorum)	Foliar	14 fl oz - 22 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v / v. Repeat applications at 7- 14 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.

Стор	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Olive*	Olive Knot (Pseudomonas savastanoi)	Foliar	14 fl oz – 60 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 100 gallons per acre apply Vacciplant at 14 fl oz per acre. For high water volume applications (100 – 400 gpa), mix Vacciplant in a 0.15% v / v solution. Repeat applications at 10 - 14 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.

Crop	Target Disease	Application Method	Product Use Rate per Application/acre	Application Instructions
Ornamentals* Herbaceous Ornamentals Flowering Plants Foliage Plants Woody Ornamentals Broadleaves, Shrubs and Trees Conifers, Shrubs and Trees	Anthracnose (Colletotrichum spp.) Bacteria (Erwinia spp.) (Pseudomonas spp.) (Xanthomonas spp.) Black Spot of Rose (Diplocarpon rosae) Blossom Blight (Monilinia spp.) Downy Mildew (Peronospora spp.) (Plasmopara viburni) Grey Mold (Botrytis cinerea) Leaf Spot (Alternaria spp.) (Cercospora spp.) (Entomosporium spp.) (Myrothecium spp.) (Septoria spp.) Powdery Mildew (Erysiphe spp.) (Oidium spp.) (Sphaerotheca spp.) Rust (Puccinia spp.) Scab (Venturia spp.)	Foliar	14 fl oz - 22 fl oz	Start Vacciplant applications preventatively at the 4 – 6 leaf stage or when conditions for disease development become favorable. At water volumes less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v / v. Repeat applications at 7- 14 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide. This product may be used to control certain diseases of container, bench, flat, plug, bed, or field-grown ornamentals in greenhouses, shade-houses, outdoor nurseries, retail nurseries, and other landscape areas.
	Fusarium spp. Phytophthora spp. Pythium spp. Rhizoctonia spp. Verticillium spp.	Plant Dip / Soil Drench	0.15% v / v solution	For plant dip and soil drench applications, apply this product in a 0.15% v/v solution (15 fl oz of product per 100 gallons water) as a pre-plant dip or soil drench immediately prior to transplanting.

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

The following plant species have been treated with Vacciplant to prevent disease.

Plants investigated:

Annual and Perennial Flowering Plants

Begonias, Freesias, Geraniums, Gerbera, Impatiens, Lamium, Lisianthus, Petunias, Poinsettias, Roses, Salvias, Snapdragons, Zinnias.

Trees and Shrubs

Azalea, Boxwood, Crape Myrtle, Dogwood, Indian Hawthorne, Jumbo Azalea, Lilac, Loropetalum, Japanese Maple, Japanese Privet, *Photinia*, Rhododendron, *Rosaceae*, Soft Touch Holly, Spirea, *Viburnum*.

Tropical Foliage

Aglaonema, Dieffenbachia, Dracaena, English Ivy, Hibiscus, Leatherleaf Fern, Spathiphyllum.

Since it is not possible to test all ornamental species or varieties grown in the greenhouse, test Vacciplant on a few plants prior to large-scale usage.

Crop	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Peanut*	Aspergillus Crown Rot (Aspergillus niger) Rhizoctonia Foliar Blight, Peg, and Root Rot (Rhizoctonia solani) White Mold (Sclerotium rolfsii)	Foliar	14 fl oz - 22 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v / v. Repeat applications at 7- 14 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.

Crop	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Pome Fruits* Apple Crabapple Loquat Oriental Pear Pear Quince Mayhaw and other pome fruit crops	Powdery Mildew (Podosphaera leucotricha) Alternaria Blotch (Alternaria mali) Apple Scab (Venturia inaequalis) Suppression only Bitter Rot (Colletotrichum spp.) Black Rot/Frogeye Leaf Spot (Botryosphaeria obtusa) Bot Rot (Botryosphaeria dothidea) Brooks Spot (Mycosphaerella pomi) Bull's Eye Rot (Neofabraea spp.) Cedar-Apple Rust (Gymnosporangium juniperi-virginianae) Suppression only Fire Blight (Erwinia amylovora) Suppression only Flyspeck (Zygophiala jamaicensis) Sooty Blotch (Geastrumia polystigmati) (Leptodontium elatius) (Peltaster fructicola) White Rot (Botryosphaeria dothidea)	Foliar	14 fl oz – 60 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 100 gallons per acre apply Vacciplant at 14 fl oz per acre. For high water volume applications (100 – 400 gpa), mix Vacciplant in a 0.15% v / v solution. Repeat applications at 10 - 14 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide. Fire Blight – Apply Vacciplant in the appropriate volume of water in combination with an appropriate registered bactericide from green bud stage to petal fall stage on one year old wood. After blooming period continue Vacciplant applications if disease conditions are favorable. Scab – After primary disease contamination, or in situations favorable for disease development, apply Vacciplant in the appropriate amount of water until conditions for development have subsided.

Crop	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Root, Tuber and Corm Crops* Potato Beet Carrot Cassava Ginger Ginseng Horseradish Radish Sweet Potato Turnip and other root crops (including those for seed production)	Bacterial Leaf Blight (Xanthomonas campestris) Black Root Rot / Black Crown Rot (Alternaria spp.) Downy Mildew (Peronospora spp.) Early Blight (Alternaria solani) Grey Mold (Botrytis spp.) Late Blight (Phytophthora infestans) Powdery Mildew (Erysiphe spp.) White Mold (Sclerotinia sclerotiorum)	Foliar	14 fl oz - 22 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v / v. Repeat applications at 7- 14 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.

Crop	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
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 (Cercospora sojina) Pod and Stem Blight (Diaporthe spp.) Septoria Brown Spot (Septoria glycines) White Mold (Sclerotinia sclerotiorum)	Foliar	14 fl oz - 22 fl oz	To optimize disease control and maximize yields, apply Vacciplant prior to flowering. Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v / v. Reapply every 7 – 14 days. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.

Crop Target D	isease Application method	Product Use Rate per Application/acre	Application Instructions
Stone Fruits* Apricot Cherry (sweet and tart) Nectarine Peach Plum Plumcot Prune and other stone fruit crops Robert Spot (Alternaria alter Anthracnose (Colletotrichum Bacterial Canker (Pseudomonas spot (Nanthomonas pterior) (Xanthomonas pterior) (Xanthomonas pterior) (Xanthomonas pterior) (Xanthomonas pterior) (Monilinia laxa) Brown Rot Bloss (Monilinia fruitic Cercospora Leaf (Cercospora Spot (Podosphaera spot (Nanthomonas pterior) (Monilinia fruitic Cercospora Leaf (Cercospora Spot (Podosphaera spot (Nanthomonas pterior) (Nanthomonas pterior	nata) spp.) spp.) runi) om Blight Rot cola) Spot) spii) pp.) runosa) recolor) rucotricha) rarpophilum)	14 fl oz – 60 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v / v. Repeat applications at 7- 14 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide. Bacterial Blight —Apply Vacciplant in the appropriate volume of water. Begin applications pre-harvest before fall rains. Brown Rot Blossom Blight — Apply Vacciplant in appropriate volume of water. Begin applications at early bloom and repeat through petal fall on a 7 — 10 day interval. Powdery Mildew — Apply Vacciplant in appropriate volume of water. Begin applications at popcorn stage and continue as needed on a 7 — 10 day interval. Scab — Apply Vacciplant in appropriate volume of water. Begin applications at petal fall and continue on a 7 — 10 day interval until conditions favorable for disease development have diminished. For all other diseases — Begin applications when conditions favorable for disease development are present. Apply Vacciplant in the appropriate volume of water on a 7 — 14 day interval. For high water volume applications (100 — 400 gpa), mix Vacciplant in a 0.15% v / v solution. Under moderate to heavy disease

Crop	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Strawberry*	Anthracnose (Collectotrichum spp.) Suppression only Botrytis (Botrytis cinerea) Leaf Spot (Mycosphaerella fragariae) Phomopsis Leaf Blight (Phomopsis obscurans) Powdery Mildew (Sphaerotheca macularis)	Foliar	14 fl oz - 22 fl oz	Start Vacciplant applications preventatively immediately after transplant or prior to bloom. At water volumes less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v / v. Repeat applications at 7- 14 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.
	Black Root Rot (Rhizoctonia spp.) (Pythium spp.) (Fusarium spp.) (Cylindrocarpon spp.) Phytophthora Root Rot and Crown Rot (Phytophthora spp.) Verticillium Wilt (Verticillium spp.) Fusarium spp. Pythium spp. Rhizoctonia spp.	Plant Dip / Soil Drench	0.15% v / v solution	For plant dip and soil drench applications, apply this product in a 0.15% v/v solution (15 fl oz of product per 100 gallons water) as a pre-plant dip or soil drench immediately prior to transplanting.

Crop	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Sugarcane*	Brown Rust (Puccinia melanocephela) Orange Rust (Puccinia kuehnii)	Foliar	14 fl oz - 22 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v / v. Repeat applications at 7- 14 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.

Crop	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Tobacco*	Blue Mold (Peronospora tabacina)	Foliar	14 fl oz - 22 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 70 gallons per acre apply Vacciplant at 14 fl oz per acre. At water volumes above 70 gallons per acre apply Vacciplant at 0.15% v / v. Repeat applications at 7- 14 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.
	Fusarium spp. Phytophthora spp. Pythium spp. Rhizoctonia spp. Verticillium spp.	Plant Dip / Soil Drench	0.15% v / v solution	For plant dip and soil drench applications, apply this product in a 0.15% v/v solution (15 fl oz of product per 100 gallons water) as a pre-plant dip or soil drench immediately prior to transplanting.

Vacciplant 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**.

Crop	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Tree nut crops* Walnut (Black and English) Almond Beech nut Brazil nut Butternut Cashew Chestnut Chinquapin Filbert Hickory nut Macadamia nut Pecan Pistachio and other tree nut crops	Walnut Blight (Xanthomonas campestris) Alternaria Late Blight, Alternaria Leaf Spot (Alternaria spp.) Anthracnose (Collectotrichum spp.) (Gnomonia leptostyla) Bacterial Canker (Erwinia nigrifluens) (Pseudomonas syringae) Botryosphaeria Blight (Botryosphaeria dothidea) Brown Rot (Monilinia spp.) Eastern Filbert Blight (Anisogramma anomala) Green Fruit Rot (Botrytis cinerea) Leaf Rust (Tranzschelia discolor) Scab (Cladosporium carpophilum) (Sphaceloma perseae) Shot Hole (Wilsonomyces carpophilus)	Foliar	14 fl oz - 60 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 100 gallons per acre apply Vacciplant at 14 fl oz per acre. For high water volume applications (100 – 400 gpa), mix Vacciplant in a 0.15% v / v solution. Repeat applications at 7- 14 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.

Crop	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Tropical Fruits* Avocado	Anthracnose (Colletotrichum	Foliar	14 fl oz - 60 fl oz	Start Vacciplant applications preventatively or when conditions for disease
Banana Kiwi	gloeosporioides) Bacterial Blight			development become favorable. At water volumes less than 100 gallons per acre
Mango Papaya	(Pseudomonas syringae) (Pseudomonas viridiflava)			apply Vacciplant at 14 fl oz per acre. For high water volume applications (100 – 400
Plantain Pineapple	Bacterial Canker (Xanthomonas campestris)			gpa), mix Vacciplant in a 0.15% v / v solution. Repeat applications at 7- 14 day
Pomegranate and other	Botrytis Fruit Rot (Botrytis cinerea)			intervals. Under moderate to heavy disease pressure,
tropical fruit	Scab			tank mix this product with another registered fungicide.
crops	(Elsinoe mangiferae) Sigatoka (Mycosphaerella fijiensis)			registered fullgleide.

Vacciplant 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.

Сгор	Target Disease	Application method	Product Use Rate per Application/acre	Application Instructions
Cool Season Turf Grasses* Warm Season Grasses*	Anthracnose (Colletotrichum graminicola) Bentgrass Dead Spot (Opiosphaerella agrostis) Bermudagrass Decline (Gaeumannomyces graminis var. graminis) Dollar Spot (Sclerotinia homoecarpa) Suppression only Fairy Ring (various Basidiomy cete fungi) Grey Leaf Spot (Pyricularia grisea) Powdery Mildew (Blumeria graminis) Rust (Puccinia spp, Uromyces spp.) Yellow Tuft (Downy Mildew)	Foliar	14 fl oz – 22 fl oz	Start Vacciplant applications preventatively or when conditions for disease development become favorable. At water volumes less than 100 gallons per acre apply Vacciplant at 14 fl oz per acre. For high water volume applications (100 – 400 gpa), mix Vacciplant in a 0.15% v / v solution. Repeat applications at 7- 14 day intervals. Under moderate to heavy disease pressure, tank mix this product with another registered fungicide.

Vacciplant has a pre-harvest interval (PHI) of 0 days.

^{*} Not for use in California.

^{**} Not for use in California except to control powdery mildew.

^{***} Not for use in California except on lettuce to control downy mildew.

INTEGRATED PEST MANAGEMENT (IPM)

Many conventional fungicides have been tested in an IPM regime with Vacciplant 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.

COMPATIBILITY

Vacciplant is compatible with many commonly used crop protection and crop production products, but has not been fully evaluated with all. Evaluate tank-mix compatibility prior to use. Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures. Apply to a small area of the crop to ensure there are no phytotoxic effects. Contact your Vacciplant representative for additional details.

- Vacciplant acts early against specified plant diseases inducing plant defense reactions.
- Vacciplant induces systemic resistance, which allows protection during growth.

STORAGE AND DISPOSAL

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

Pesticide Storage: Keep container tightly closed when not in use.

<u>Pesticide Disposal</u>: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

<u>Container Handling</u>: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water 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 or dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances.

CONDITIONS OF SALE AND WARRANTY

LABORATOIRES GOËMAR SAS 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 according to the directions under normal use conditions.

To the extent consistent with applicable law, neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to the label instructions; the buyer assumes the risk of any such uses.