

STIMULANT OF PLANT DEFENSE REACTIONS

Vacciplant® 

Active Ingredient:

Laminarin.....3.51%

Other Ingredients:..... 96.49%

Total.....100.00%



**KEEP OUT OF REACH OF CHILDREN
CAUTION**

See side panel for first aid.

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

NET CONTENTS: 1.3 gal (5L)

Produced by:

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GOËMAR

CETI USVAC5R - 03/12

FIRST AID
IF SWALLOWED <ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED <ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for 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.

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. 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

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

Apply the required amount of Vacciplant in combination with a registered fungicide in an appropriate volume of water. If Vacciplant is sprayed alone, apply at 0.15% volume/volume in applications exceeding 70 gallons per acre. At volumes under 70 gallons per acre, apply Vacciplant at 14 fluid ounces per acre. Do not apply this product post-harvest. Apply the required amount of Vacciplant according to the table below.

Crops	Disease	No. of Appli- cations/ Season	Appli- cation Interval	Rate/Acre/ application	Application Instructions
Fruiting Vegetables					
Tomato	Bacterial spot Bacterial speck Early blight Phytophthora blight Botrytis Powdery mildew Anthracnose	2 - 10	7 - 10 days	14 fl oz	Start Vacciplant preventative applications immediately after transplant or planting in combination with an appropriate registered fungicide in an appropriate volume of water. Repeat applications until conditions favorable for disease prevalence have diminished.
Eggplant Pepper	Phytophthora blight Bacterial spot Downy mildew Powdery mildew	2 - 10	7 - 10 days	14 fl oz	Start Vacciplant preventative applications immediately after transplant or planting in combination with an appropriate registered fungicide in an appropriate volume of water. Repeat applications until conditions favorable for disease prevalence have diminished.
Cucurbits - Zucchini - Cucumber - Watermelon - Cantaloupe - Squash - Pumpkin - Muskmelon	Phytophthora blight Angular leaf spot Powdery mildew Downy mildew	2 - 10	7 - 10 days	14 fl oz	Start Vacciplant preventative applications immediately after transplant or planting in combination with an appropriate registered fungicide in an appropriate volume of water. Repeat applications until conditions favorable for disease prevalence have diminished.
Bulb vegetables - Onion - Leek	Bacterial leaf streak Yellow soft virus	2 - 10	7 - 10 days	14 fl oz	Start Vacciplant preventative applications immediately after transplant or planting in combination with an appropriate registered fungicide in an appropriate volume of water. Repeat applications until conditions favorable for disease prevalence have diminished.
Head and leafy vegetables - Lettuce - Spinach - Celery	Downy mildew Botrytis	2 - 6	7 - 10 days	14 fl oz	Start Vacciplant preventative applications immediately after transplant or planting in combination with an appropriate registered fungicide in an appropriate volume of water. Repeat applications until conditions favorable for disease prevalence have diminished.
Cole Crops (Brassicas)	Downy mildew Powdery mildew	2 - 10	7 - 10 days	14 fl oz	Start Vacciplant preventative applications immediately after transplant or planting in combination with an appropriate registered fungicide in an appropriate volume of water. Repeat applications until conditions favorable for disease prevalence have diminished.
Stone fruits - Peach	Monilia Fruit brown rot	2 - 4	7 - 10 days	14 fl oz	Start Vacciplant preventative applications in combination with an appropriate registered fungicide in an appropriate volume of water. Begin application 30 days before harvest. Repeat applications until conditions favorable for disease prevalence have diminished. Do not apply post-harvest.
Pome fruits	Fire blight	2 - 7	7 - 10 days	14 fl oz	Apply Vacciplant in an 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 time, continue Vacciplant applications if weather conditions are favorable for disease.
- Apple - Pear	Scab	2 - 10	7 - 10 days	14 fl oz	After primary contamination of scab, apply Vacciplant in an appropriate volume of water. In situations that may cause high disease pressure (rain showers for 18h and over 1 inch), apply in combination with an appropriate registered fungicide in an appropriate volume of water. Repeat applications until conditions favorable for disease prevalence have diminished.
	Gloeosporium rot	2 - 10	7 - 10 days	14 fl oz	Apply Vacciplant in combination with an appropriate registered fungicide in an appropriate volume of water every 7-10 days from 3 weeks before harvest. Repeat applications until conditions favorable for disease prevalence have diminished. Do not apply post-harvest.
Strawberries	Botrytis	2 - 6	7 - 10 days	14 fl oz	Start Vacciplant preventative applications immediately after transplant or prior to bloom in combination with a registered fungicide in an appropriate amount of water. Repeat applications until conditions favorable for disease prevalence have diminished.
	Leaf spot, Leather rot, Leaf scorch, Powdery mildew, Anthracnose	2 - 10			
Table grapes Wine grapes	Powdery mildew	2 - 10	7 - 10 days	14 fl oz	Start Vacciplant preventative applications in combination with a registered fungicide in an appropriate amount of water. Repeat applications until conditions favorable for disease prevalence have diminished.
Berries - Blueberry - Cane Berries	Botrytis blight	2 - 10	7 - 10 days	14 fl oz	Start Vacciplant preventative applications prior to early bloom in combination with a registered fungicide in an appropriate volume of water. Repeat applications until conditions favorable for disease prevalence have diminished.

COMPATIBILITY

Vacciplant is compatible with many commonly used crop protection 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 technical service 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.

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

Container Handling: 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 $\frac{1}{4}$ 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 S.A. 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.