



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (7505P)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:

89118-7

Date of Issuance:

2/7/17

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

VCP-11

Name and Address of Registrant (include ZIP Code):

Olav Messerschmidt
 Vive Crop Production
 700 Bay Street, Suite 1100
 Toronto, Ontario, Canada M5G 1Z6

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Mark Suarez, Product Manager 07
 Invertebrate & Vertebrate Branch III
 Registration Division (7505P)

Date:

2/7/17

2. You are required to comply with the data requirements described in the DCI identified below:

Abamectin – GDCI-122804-1388

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division: <http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 89118-7.”
5. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency 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.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 02/03/2017
- Alternate CSF A dated 02/03/2017
- Alternate CSF B dated 02/03/2017
- Alternate CSF C dated 02/03/2017

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Decision No. 518530

- Alternate CSF D dated 02/03/2017
- Alternate CSF E dated 02/03/2017

If you have any questions, please contact Jessica Rogala by phone at 703-347-0263, or via email at rogala.jessica@epa.gov.

Enclosure

NOTE: {Information in {braces} is informational for the reviewer}
[Bracketed text is optional/interchangeable]

GROUP 6 INSECTICIDE

RESTRICTED USE PESTICIDE
DUE TO TOXICITY TO NON-TARGET INVERTEBRATES, MAMMALS, AND AQUATIC ORGANISMS
For retail sale to and use only by certified applicators or persons under their direct supervision and only for those uses covered by the Certified Applicators certification.

VCP-11

VCP-11 is for the control of nematodes on golf course greens, tees, and fairways.

Active Ingredient:	By Wt.
Abamectin*(CAS No. 71751-41-2).....	12.0%
Other Ingredients:	88.0%
	100.0%

*Avermectin B1a (CAS 65195-55-3) and Avermectin B1b (CAS 65195-56-4)

Contains 1.02 lb of abamectin per gallon.

KEEP OUT OF REACH OF CHILDREN WARNING

AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

This label must be in the possession of the user at the time of application.
See inside booklet for additional precautionary information and directions for use.

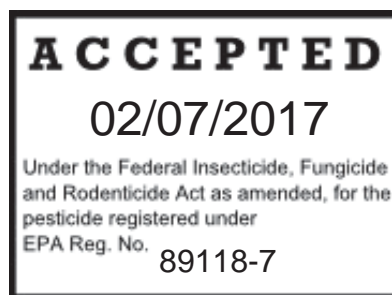
EPA Reg. No. 89118-T

EPA Est. XXX-YY-Z

Net Contents:



Vive Crop Protection, Inc.
700 Bay St., Suite 1100
Toronto, ON M5G 1Z6
CANADA
1-416-260-8889



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

- **May be fatal if swallowed or inhaled. Do not breathe vapor or spray mist. Wear A NIOSH approved particulate filter with any N, R, or P filter with NIOSH approval number prefix TC-84A; or a NIOSH approved powered air purifying respirator with an HE filter with NIOSH approval number prefix TC-21C. 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.**

FIRST AID
<p>If swallowed:</p> <ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to by a poison control center or doctor.• Do not give anything to an unconscious person.
<p>If in eyes:</p> <ul style="list-style-type: none">• Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.• Call a poison control center or doctor for treatment advice.
<p>If on skin or clothing:</p> <ul style="list-style-type: none">• Remove contaminated clothing.• Rinse skin with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
<p>If inhaled:</p> <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 by mouth-to-mouth if possible.• Call a poison control center or doctor for treatment advice.
<p>NOTE TO PHYSICIAN</p> <p>Early signs of intoxication include dilation of pupils, muscular incoordination, and muscular tremors. Toxicity following accidental ingestion of this product can be minimized by early administration of chemical adsorbants (e.g., activated charcoal).</p> <p>If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels and proper respiratory functionality) as indicated by clinical signs, symptoms, and measurements.</p> <p>In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since abamectin is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic abamectin exposure.</p>
<p>EMERGENCY INFORMATION</p> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p> <p>In the event of a medical or chemical emergency contact Chemtel Inc. in North America at 1-800-255-3924 or worldwide international at +1-813-248-0585.</p>

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes plus socks.
- Gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber or butyl rubber.
- A NIOSH approved particulate filter with any N, R, or P filter with NIOSH approval number prefix TC-84A; or a NIOSH approved powered air purifying respirator with an HE filter with NIOSH approval number prefix TC-21C.

USER SAFETY REQUIREMENTS

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Attention: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. 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.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are foraging in or adjacent to the treatment area.

Use of this product may pose a risk to threatened and endangered species of fish, amphibians, crustaceans (including fresh water shrimp), and insects. All use of this product in the state of California should comply with the recommendations of the California Endangered Species Project. Before using this product in California, consult with your county agriculture commissioner to determine use limitations that apply in your area.

SURFACE WATER ADVISORY

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a medium potential for reaching both surface water and aquatic sediment via runoff for several weeks to months after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of abamectin from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecast to occur within 48 hours.

SPRAY DRIFT MANAGEMENT

Do not spray when conditions favor drift beyond area intended for application. Conditions which may contribute to drift include thermal inversion, wind speed and direction, sprayer nozzle/pressure combinations, spray droplet size, etc. Contact your State extension agent for spray drift prevention guidelines in your area.

Avoiding spray drift in the responsibility of the applicator. Do not apply when weather conditions favor drift from treated areas to non-target aquatic habitat.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow coming in contact with any oxidizing agent. Hazardous chemical reaction may occur.

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.

Failure to follow directions and precautions on this label may results in crop injury, poor insect control, and/or illegal residues.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

- Do not re-enter treated areas until sprays have dried.

PRODUCT USE INSTRUCTIONS

VCP-11 is a suspension concentrate containing 1.02 lbs. abamectin per gallon which when used according to the directions for use, will control turf-parasitic nematodes on golf course turf. VCP-11 is applied as an early curative treatment to control nematode damage when the presence of turf-parasitic nematodes has been confirmed. Apply VCP-11 as part of a seasonal program. Multiple applications of VCP-11 on a 14-28 day interval are recommended, and may be required before observing turf quality improvements.

PRODUCT RESTRICTIONS

- Do not apply more than 34 fl. oz. of VCP-11 per acre per year (0.27 lb a.i.).
- Do not apply to golf course roughs.
- Do not apply to residential turf, sports fields or commercial turf.
- Do not apply this product through any type of irrigation system.
- Do not apply through an ultra-low volume spray system.
- Do not apply by aerial applications.
- Do not apply to turf under heat or moisture stress.
- Do not graze treated turf or feed turf clippings from any treated area to poultry or livestock.

APPLICATION AND MIXING INSTRUCTIONS

Shake well before use.

Fill spray tank with required amount of water for the application, add in the required amount of VCP-11, and mix well.

Apply VCP-11 to wet turf grass, either from early morning dew or from irrigation of 0.1 inches of water to the area prior to application. Apply product in 2 gallons of water per 1000 square feet of turf. For best results, use extremely coarse droplets.

Beginning within 1 hour of product application, irrigate treated area with 0.1 to 0.5 inches of water to help move product through the thatch layer. When application volumes of less than 2 gallons of water per 1000 square feet are used, irrigation should begin as soon as possible after application. For best results, complete irrigation before the product has dried on the turf.

The use of a non-ionic soil surfactant [or soil penetrant] is recommended as a tank mix partner in order to ensure uniform wetting of the turf and soil [and improve penetration to the target site]. Follow all tank mix partner manufacturer use rates, recommendations, and restrictions. When a tank mix partner is used, it is recommended to use one that meets the standards of the Chemical Producers and Distributors Association (CPDA) adjuvant certification.

SPECIFIC USE DIRECTIONS FOR NEMATODE CONTROL

GOLF COURSE GREENS, TEES, AND FAIRWAY

PEST	USE RATES fl. oz. product/acre (lb a.i./acre)	INTERVAL
Turf-Parasitic Nematodes	2.35 - 3.53 (0.0188 – 0.0281)	14-21 days
	3.53 – 8.47 (0.0281 – 0.0675)	21-28 days
Instructions: <ul style="list-style-type: none"> Apply as a curative treatment after confirmation that disease is caused by turf-parasitic nematodes. The use of a non-ionic soil surfactant [or soil penetrant] is recommended as a tank mix partner in order to ensure uniform wetting of the turf and soil [and improve penetration to the target site]. Apply when the grass is wet from early morning dew or following an irrigation of 0.1” of water. Irrigate with 0.1” to 0.5” of water immediately after application in order to help move VCP-11 through the thatch layer. For best results, apply multiple VCP-11 applications on a 14 to 28 day interval. 		
Use Restrictions and Precautions: <ul style="list-style-type: none"> Do not apply more than 34 fl. oz. of VCP-11 per acre per year (0.27 lb a.i.). Multiple applications may be required before improvements in turf quality are observed. Do not apply to golf course roughs, sports fields, commercial or residential turf. Do not feed treated turf clipping to or graze treated turf with any poultry or livestock. Do not apply by aerial application, or through any type of irrigation system or ultra-low volume spray system. Do not apply to golf course greens under heat or moisture stress. 		

STORAGE AND DISPOSAL

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

Pesticide Storage

Store in original containers only. Keep container closed when not in use. Store in a cool, dry place, and do not expose to heat. Do not store near food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label.

Pesticide Disposal

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

Container Handling

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 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 and 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.

IMPORTANT INFORMATION

READ BEFORE USING PRODUCT

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of Vive Crop Protection or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Vive Crop Protection and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, VIVE CROP PROTECTION MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT.

Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or Vive Crop Protection, and buyer assumes the risk of any such use.

To the extent consistent with applicable law, Vive Crop Protection or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF VIVE CROP PROTECTION AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF VIVE CROP PROTECTION OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement except as signed by an authorized representative of Vive Crop Protection.

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{Optional marketing or other non-FIFRA related language}

- Shake well before use
- Reach nematodes below the thatch layer
- Improve turf quality by controlling nematode damage
-