



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

August 1, 2017

Mr. Christopher Davis  
Registration Manager  
4695 MacArthur Court  
Suite 1200  
Newport Beach CA 92660

Subject: Label Amendment – Adding Mitigation Language Requiring Soil Incorporation  
Product Name: AMV1091 9.34G Granular Insecticide  
EPA Registration Number: 5481-577  
Application Date: July 27, 2017  
Decision Number: 531918

Dear Mr. Davis:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing 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. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one copy of the final printed labeling before you release the 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 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.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Carlyn Petrella by phone at 703-347-0439, or via email at [petrella.carlyn@epa.gov](mailto:petrella.carlyn@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "M. Walsh", written in a cursive style.

Michael Walsh  
Product Manager 11  
Invertebrate & Vertebrate Branch 2  
Registration Division  
Office of Pesticide Programs

Attachment

# RESTRICTED USE PESTICIDE

Due to Toxicity to Aquatic Invertebrates

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 Applicator's certification.

GROUP 1B INSECTICIDE

## AMV1091 9.34G Granular Insecticide

for use in SmartBox<sup>®</sup> system only

For control of corn rootworms, cutworms and other listed soil insect pests in corn

**ACCEPTED**

08/01/2017

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 5481-577

### ACTIVE INGREDIENTS:

Tebupirimphos: O-[2-(1,1-Dimethylethyl)-5-pyrimidinyl]-O-ethyl O-(1-methylethyl) phosphorothioate.....8.90%

Cyfluthrin: Cyano(4-fluoro-3-phenoxyphenyl)-methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate..... 0.44%

**INERT INGREDIENTS:**..... 90.66%

**TOTAL:** .....100.00%

**READ LABEL BEFORE USE  
KEEP OUT OF REACH OF CHILDREN**

### WARNING AVISO

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

#### FIRST AID

Contains an organophosphate that inhibits cholinesterase

<b>If inhaled:</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>

#### EMERGENCY INFORMATION

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:

For Medical Emergencies, phone: .....(888) 681-4261

For Transportation Emergencies, including spill, leak or fire, phone: CHEMTREC<sup>®</sup> .....(800) 424-9300

For Product Use Information, phone: AMVAC<sup>®</sup> .....(888) 462-6822

#### NOTE TO PHYSICIAN

ANTIDOTE: Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine. Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 24-48 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

EPA Reg. No. 5481-577

EPA Est. No.

Net Weight:

As marked on Container



4100 E. Washington Blvd.

Los Angeles, CA 90023 U.S.A. (888) 462-6822

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING:** May be fatal if inhaled or swallowed. Do not breathe dust. Avoid contact with skin, eyes or clothing. Wear a mask or pesticide respirator jointly approved by the Mine Safety and Health Administration and the National Institute for Occupational Safety and Health. 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.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Loaders and applicators using the SmartBox loading/application system and an enclosed-cab for application must wear:

- Long-sleeved shirt and long pants, and
- Shoes plus socks, and
- Chemical-Resistant gloves made of Barrier Laminate, Butyl Rubber  $\geq$  14 mils, Nitrile Rubber  $\geq$  14 mils, Neoprene Rubber  $\geq$  14 mils, Polyethylene, Polyvinyl Chloride (PVC)  $\geq$  14 mils, or Viton  $\geq$  14 mils, and
- Chemical resistant apron
- Handlers engaged in activities such as cleaning up a spill or leak and cleaning or repairing contaminated equipment, must wear:
  - Chemical-resistant coveralls over long sleeved shirt and long pants
  - Chemical-Resistant gloves made of Barrier Laminate, Butyl Rubber  $\geq$  14 mils, Nitrile Rubber  $\geq$  14 mils, Neoprene Rubber  $\geq$  14 mils, Polyethylene, Polyvinyl Chloride (PVC)  $\geq$  14 mils, or Viton  $\geq$  14 mils
  - Chemical-resistant footwear plus socks
  - A NIOSH-approved dust filtering respirator with MSHA/NIOSH approved number prefix TC-21C or a NIOSH-approved respirator with any N,R, P, or HE filter

See Engineering Controls for additional requirements.

### User Safety Requirements

Follow 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.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

### ENGINEERING CONTROLS

A SmartBox loading system used correctly qualifies as a closed loading system under the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(4)]. Loaders using SmartBox loading systems must:

- wear the personal protective equipment required in the PPE section of this labeling for loaders, and in addition to wearing the required PPE, must have immediately available and use in case of emergency (such as a broken package, spill, or equipment breakdown):
  - A particulate filtering respirator, which includes a NIOSH approved respirator with any R, P, or HE filter or NIOSH approved number prefix TC-84A
  - The PPE specified in the PPE section of this labeling for spill clean-up

### Engineering Controls for Applicators

Applicators must use an enclosed cab that meets the definition in the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(5)] for dermal protection. In addition, applicators must:

- wear the PPE required in the PPE section of this product labeling for applicators using engineering controls,

- be provided, must have immediately available, and must wear in an emergency, when they must exit the cab in the treated area, the PPE specified in the PPE section of this labeling for spill clean-up,
- take off any PPE that was worn in the treated area before reentering the cab, and
- store all such PPE in a chemical-resistant container, such as a plastic bag, to prevent contamination of the inside of the cab.

#### USER SAFETY RECOMMENDATIONS

##### Users should:

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

#### ENVIRONMENTAL HAZARDS

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 washwaters.

When used on erodible soils, best management practices for minimizing runoff should be employed. Consult your local Natural Resources Conservation Service for recommendations in your use area. For applications made within 20 yards of water (lakes, reservoirs, rivers, permanent streams, marshes, estuaries, natural ponds, or ponds used for commercial fishing), apply as an in-furrow application only.

#### DIRECTIONS FOR USE

##### RESTRICTED USE PESTICIDE

**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, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, 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 48 hours. The REI is 72 hours where average rainfall is less than 25 inches per year.

**Exception:** If the product is soil injected or soil incorporated, the Worker Protection Standard under certain circumstances, allows workers to enter the treated area without restrictions if there will be no contact with anything that has been treated.

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 over long-sleeved shirt and long pants,

- Chemical resistant gloves made of Barrier Laminate, Butyl Rubber ≥ 14 mils, Nitrile Rubber ≥ 14 mils, Neoprene Rubber ≥ 14 mils, Polyethylene, Polyvinyl Chloride (PVC) ≥ 14 mils, or Viton ≥ 14 mils,
  - Chemical resistant footwear plus socks,
  - Protective eye wear
- Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

**IMPORTANT:** Read the entire direction for use, maintenance sections for the SmartBox® System and these entire Directions and Conditions of Sale for AMV1091 9.34G prior to use.

**RESTRICTIONS:**

- For use only in the states of: Arkansas, Colorado, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Montana, Nebraska, Nevada, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Utah, Vermont, West Virginia, Wisconsin, and Wyoming.
- Do not use on other crops grown for food or forage.
- Corn may be replanted any time after application of AMV1091 9.34G. All other crops may be planted 30 days after application.

AMV1091 9.34G is not systemic and will not interact with corn herbicides. It will not affect seed germination and crop emergence when applied in-furrow.

**APPLICATION RATES**

**FIELD CROPS:  
FIELD CORN, SWEET CORN, POPCORN, CORN GROWN FOR SEED OR SILAGE**

Pest	Application Method		Rate												
Corn rootworm larvae (Northern, Western, Southern, Mexican) Cutworms Wireworms Seedcorn maggot Seedcorn beetle White grubs	<p><b>BAND</b> - Apply granules at planting as a 7-inch band over the row behind the press wheel. Granules must be soil incorporated to a depth of at least one inch using tines, drag chains, or other suitable equipment.</p> <p><b>T-BAND</b> - Apply granules at planting as a 4 to 5-inch T-Band over the open seed furrow behind the planter shoe and in front of the press wheel, and incorporate evenly to a depth of at least one inch in soil.</p> <p><b>IN-FURROW</b> - Apply granules at planting directly into the open seed furrow behind the planter shoe and in front of the press wheel so that granules are completely covered with soil. Granules must be soil-incorporated to a depth of at least one inch.</p> <p><b>OPTIMUM PLACEMENT</b>- For control of cutworms apply AMV1091 9.34G as a Band or T-Band. For control of corn rootworms, wireworms, seedcorn maggot, seedcorn beetle and white grubs apply AMV1091 9.34G either in a T-Band or In-Furrow.</p>		1.5 Ounces Per 1000 Feet of Row												
<table border="1"> <thead> <tr> <th data-bbox="370 1577 776 1627">Row Spacing (inches)</th> <th data-bbox="776 1577 1291 1627">Pounds per Acre</th> </tr> </thead> <tbody> <tr> <td data-bbox="370 1627 776 1677">30</td> <td data-bbox="776 1627 1291 1677">1.63</td> </tr> <tr> <td data-bbox="370 1677 776 1728">32</td> <td data-bbox="776 1677 1291 1728">1.53</td> </tr> <tr> <td data-bbox="370 1728 776 1778">34</td> <td data-bbox="776 1728 1291 1778">1.45</td> </tr> <tr> <td data-bbox="370 1778 776 1829">36</td> <td data-bbox="776 1778 1291 1829">1.36</td> </tr> <tr> <td data-bbox="370 1829 776 1879">38</td> <td data-bbox="776 1829 1291 1879">1.29</td> </tr> <tr> <td data-bbox="370 1879 776 1906">40</td> <td data-bbox="776 1879 1291 1906">1.23</td> </tr> </tbody> </table>		Row Spacing (inches)		Pounds per Acre	30	1.63	32	1.53	34	1.45	36	1.36	38	1.29	40
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**RESTRICTIONS:**

- Do not apply more than 1.63 pounds AMV1091 9.34G per acre (0.15 lbs. ai/A) per crop season.
- For no-till corn where runoff drains into adjacent or neighboring aquatic sites (lakes, reservoirs, rivers, permanent streams, marshes, estuaries, natural ponds, or ponds used for commercial fishing), apply AMV1091 9.34G as an in-furrow or T-band application only.
- For applications made within 20 yards of aquatic sites (lakes, reservoirs, rivers, permanent streams, marshes, estuaries, natural ponds, or ponds used for commercial fishing), apply as an in-furrow application only.
- Cover or incorporate spills (including end row spillage).
- Granules must be soil-incorporated to a depth of at least one inch.

**SmartBox Information:** AMV1091 9.34G must be applied with the SmartBox system. Refer to the SmartBox equipment and use manual for information on system operation and calibration.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Do not attempt to remove excess material from SmartBox containers or base containers. Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

**HANDLING AND SPILLAGE:** AMV1091 9.34G in the SmartBox is a completely closed application system. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Do not walk through spilled material. In spill or leak incidents, keep unauthorized people away. Dispose of pesticide as directed in the Pesticide Disposal section. Refer to Precautionary Statements on label for hazards associated with the handling of this material. You may contact Amvac Chemical Corporation for decontamination procedures or any other assistance that may be necessary. The Amvac Chemical Corporation Telephone No. is 1-888-462-6822

**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:** DO NOT DISCARD THE CONTAINER. Do not attempt to open or tamper with the container. Completely empty container into application equipment. All SmartBox containers must be returned per instructions provided or by calling 1-888-SMARTBOX. Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

#### LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

**THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT**

**CONSISTENT WITH APPLICABLE LAW MANUFACTURER OR SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.**

AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.

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AMVAC Chemical Corporation  
4100 E. Washington Blvd.  
Los Angeles, CA 90023 U.S.A.  
(888) 462-6822