

# ACTELIC® 5EC

## INSECTICIDE

FOR CONTROL OF INSECTS ON STORED CORN (FIELD AND POP) AND GRAIN SORGHUM  
(Bulk or Bagged Field Corn, Popcorn, and Grain Sorghum Seed)

### ACTIVE INGREDIENT:

Pirimiphos-methyl

0-(2-(diethylamino)-6-methyl-4-pyrimidinyl)0,0-dimethyl phosphorothioate ..... 57.0%

OTHER INGREDIENTS: ..... 43.0%

**TOTAL** ..... 100.0%

Contains 5 pounds active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN**

### CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted in detalle.

(If you do not understand the label, find someone to explain it to you in detail.)

### FIRST AID

<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>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• <b>DO NOT</b> 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>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  <b>HOTLINE NUMBER:</b> In case of medical emergency call toll free 1-877-424-7452.  <b>NOTE TO PHYSICIAN:</b> This product contains an organophosphate. Pirimiphos-methyl is a cholinesterase inhibitor. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data are useful). Give 2 mg. of atropine intramuscularly or subcutaneously and repeat if symptoms of poisoning reappear. Pralidoxime (2 PAM) may be therapeutic if used early; however, use only in conjunction with atropine. In case of severe poisoning, use antidote immediately after establishing an open airway and respiration.</p>	

**SEE INSIDE FOR ADDITIONAL PRECAUTIONARY STATEMENTS, COMPLETE DIRECTIONS FOR USE,  
WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY.**

EPA Reg. No. 1381-280

EPA Est No. \_\_\_\_\_

MANUFACTURED FOR:  
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## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### Personal Protective Equipment (PPE)

**All mixers, loaders, applicators, and other handlers must wear:**

- Protective eyewear (goggles, face shield)
- Long sleeve shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves made of barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, natural rubber  $\geq 14$  mils, polyethylene, polyvinyl chloride (PVC)  $\geq 14$  mils, or Viton  $\geq 14$  mils

See **ENGINEERING CONTROLS** for additional 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.

### User Safety Recommendations

#### Users should:

- Remove clothing/PPE immediately if pesticides get inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- 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.

### ENGINEERING CONTROLS

For all seed and/or grain treatments, handlers must use a closed mixing/loading system designed by the manufacturer to enclose the pesticide in a manner that prevents it from contacting handlers. This product is formulated in a container designed for closed mixing and loading.

### ENVIRONMENTAL HAZARDS

**DO NOT** apply directly to water. **DO NOT** contaminate water by cleaning of equipment or disposal of waste.

### PHYSICAL OR CHEMICAL HAZARDS

**DO NOT** mix or allow in contact with oxidizing agents. Hazardous chemical reaction may occur. **DO NOT** use with or store near any oxidizing or reducing agents.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

### RESISTANCE MANAGEMENT

For resistance management, Actellic 5EC Insecticide contains a Group 1 insecticide/acaricides. Any insect population may contain individuals naturally resistant to Actellic 5EC Insecticide and other Group 1 insecticides. The resistant individuals may dominate the insect population if this group of insecticides/acaricides are used repeatedly in the same fields and sites. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance:

- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population.

Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture.

In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):

- Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
- Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
- When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
- Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
- The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact your Winfield Solutions, LLC representative.

#### APPLICATION DIRECTIONS

**DO NOT** make more than one application.

Only treat corn or grain sorghum which has not previously been treated with any pirimiphos-methyl containing product.

Treatment of seed is only allowed off-farm (for example, in a facility where seed is bagged).

Grains treated with Actellic 5EC Insecticide at rates indicated on this label may be used immediately for any food or feed purpose.

Calibrate spray equipment and periodically check calibration to ensure proper spray rates.

**Actellic 5EC Insecticide is only to be used as an admixture treatment, as grain or seed enters storage or export containers. DO NOT use as a top-dressing treatment nor to treat empty storage bins or export containers.**

#### ADMIXTURE TREATMENT

Apply spray solution uniformly with suitable application equipment as grain or seed enters storage or export containers. Select nozzle size and operating pressure to adjust the application rate with the flow of the grain or seed. Prepare desired dilution of Actellic 5EC Insecticide in spray tank and mix well. Make sure spray solution stays mixed, especially in large holding tanks. Apply the spray solution as a coarse, uniform low-pressure spray to minimize drift. Shield nozzle if necessary. Apply the specified amount of Actellic 5EC Insecticide in 5 gallons of water or 3-5 gallons of at least twice refined soybean oil to each 30 tons (60,000 pounds) of grain according to the following rates.

	Fluid Ounces	ppm Concentration
Shelled Corn (field corn, popcorn)	9.2-12.3	6-8
Grain Sorghum	9.2-12.3	6-8
	No. of Bushels Approximately Equal to 30 Tons of Grain	
Shelled Corn (field corn, popcorn)	1,181	
Grain Sorghum	1,181	

## INSECTS CONTROLLED WITH ACTELIC 5EC INSECTICIDE

COLEOPTERA		LEPIDOPTERA
Cigarette beetle	Maize weevil	Almond moth
Confused flour beetle	Merchant grain beetle	Angoumois grain moth
Corn sap beetle	Red flour beetle	Indian meal moth
Flat grain beetle	Rice weevil	
Granary weevil	Sawtoothed beetle	
Hairy fungus beetle		

### PRECAUTIONS:

- Avoid severely dusty application sites.
- When drying grain, apply Actellic 5EC Insecticide after the grain has cooled.
- Always start with clean, insect free storage bins and containers that have been treated with a protectant of a different mode of action and labeled for that use.

### USE RESTRICTIONS:

- **DO NOT** store diluted Actellic 5EC Insecticide in spray tank more than 48 hours before use.
- **DO NOT** make more than one application.
- Only use on corn (field and pop) or sorghum which has not previously been treated with any pirimiphos-methyl containing product.
- Seed applications of Actellic 5EC Insecticide are restricted to bulk or bagged seed corn (field and pop) and sorghum grain.
- **DO NOT** use to control soil insects.
- **DO NOT** use as a top-dressing treatment.
- Only to be used as grain or seed enters storage or export containers, as an admixture treatment.
- **DO NOT** use to treat empty storage bins.
- **DO NOT** enter treated areas or have contact with treated grain or seed until sprays have dried.

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**PESTICIDE STORAGE:** Store in a cool place and protect from freezing. If accidentally frozen, reconstitute by gently warming to room temperature and thoroughly mixing contents. Keep container closed when not in use.

**PESTICIDE DISPOSAL:** Pesticides are acutely toxic. 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 at the nearest EPA Regional Office for guidance.

### CONTAINER HANDLING:

**Nonrefillable container equal to or less than 5 gallons. DO NOT** reuse or refill this container. Clean container 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  $\frac{1}{4}$  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 or reconditioning, or puncture and dispose of in a sanitary landfill, incineration, or by other procedures approved by state and local authorities.

**Nonrefillable container greater than 5 gallons. DO NOT** reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or, by other procedures approved by state and local authorities.

**Refillable container.** Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or, by other procedures approved by state and local authorities.

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

#### **WARRANTY DISCLAIMER**

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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