

# **COTTON - WEEDS CONTROL AT 0.5 FL OZ PER ACRE**

## General Information

### PRODUCT INFORMATION

AIM EC is an emulsifiable concentrate formulation. AIM EC is to be mixed with water, liquid fertilizer or mixtures of water and liquid fertilizer and adjuvants and applied to labeled crops and non-crop areas for selective postemergence control of broadleaf weeds, for sucker control, for burndown prior to planting, as a harvest aid and to defoliate/desiccate labeled crops.

Weed control is optimized when the product is applied to actively growing weeds. AIM EC is a contact herbicide. Within a few hours following application, the foliage of susceptible weeds show signs of desiccation. Extremes in environmental conditions such as temperature, moisture, soil conditions, and cultural practices may affect the activity of AIM EC. Herbicide symptoms may be accelerated under moist conditions. Weed control may be reduced when weeds are hardened off by drought and become less susceptible to AIM EC.

AIM EC is rapidly absorbed through the foliage of plants. To avoid significant crop response, applications should not be made within 6 to 8 hours of either rain or irrigation or when heavy dew is present on the crop. Environmental conditions and certain spray tank additives may increase herbicidal symptoms on the crop.

### ADJUVANT USE REQUIREMENTS

The use of a quality spray adjuvant is required for optimum performance. Refer to the individual crop recommendation sections of this label for specific adjuvant type and use rates.

### ON-FARM TESTING

Not all varieties or cultivars of labeled crops have been fully evaluated under all environmental and soil conditions. Consult with your local seed company for additional information.

It may also be beneficial to conduct small on-farm trials under actual conditions with specific varieties or cultivars before treating large acreage.

## APPLICATION INFORMATION

### APPLICATION METHODS

#### GROUND APPLICATION

Use ground sprayers designed, calibrated and operated to deliver uniform spray droplets to the targeted plant or plant parts. Adjust sprayer nozzles to achieve uniform plant coverage. Overlaps and slower ground speeds (caused by continuing to spray while starting, stopping or turning) may result in higher application rates and possible crop response.

#### Spray Buffer for Ground Application

Spray buffer zones for ground applications, listed in table below, are required near desirable perennial vegetation or crops before blossom and after total leaf drop, and/or near other desirable or annual crops.

#### Broadcast Boom Sprayers

Use a broadcast boom sprayer equipped with the appropriate nozzles, spray tips and screens and adjusted to provide optimum spray distribution and coverage at the appropriate operating pressures. Use nozzles that produce minimal amounts of fine spray droplets. Do not exceed 30 psi spray pressure unless otherwise required by the manufacturer of drift reducing nozzles. Apply a minimum of 10 gallons of finished spray per acre. Use higher spray volumes when there is a dense weed population or crop canopy. Adjust sprayers to position spray tips no lower than 12-18 inches above the crop or weed canopy depending on the nozzle specification. Operate the sprayer to avoid the application of high herbicide rates directly over the rows or into the whorl of treated crop plants.

#### Directed Sprayers

For directed sprayers apply AIM EC with drop nozzles or other spray equipment.

Post directed applications may be utilized when labeled crops have reached minimum growth stages where sprays may be directed to the target weeds, but is not deposited on the green stem, foliage, blooms or fruit of the crop. Do not apply when conditions favor drift or when is above 10MPH.

Use drop nozzles or other spray equipment capable of directing the spray to target weeds and away from sensitive plant parts. Apply when labeled crops have reached minimum growth stages described in specific crop sections of this label and when

spray will not be deposited on green stems, foliage, blossoms or fruit.

#### Hooded Sprayers

To apply AIM EC using a hooded sprayer, refer to the Hooded Sprayer Section for specific adjustment and operation instructions. For additional information, refer to the individual crop sections of this label.

#### Hand held or high volume orchard gun sprayers

AIM EC may be applied to certain labeled crops and non-crop areas with hand operated sprayers such as backpack sprayers, compression sprayers, knapsack sprayers, or high volume orchard gun sprayers. Directed applications may be utilized when labeled crops have reached minimum growth stages where sprays may be directed to the target weeds, but is not deposited on the green stem, foliage, blooms or fruit of the crop. Refer to individual crop sections of this label.

#### AERIAL APPLICATION

Use nozzle types and arrangements that will provide optimum coverage while producing a minimal amount of fine droplets. Apply at a minimum of 3 gallons of finished spray per acre. Spray volumes greater than 3 GPA may be needed for harvest aid and defoliation treatments, or for dense weed populations or with dense crop canopies.

#### CROP ROTATIONAL RESTRICTIONS

Following an application of AIM EC, a treated field may be rotated to a registered crop at any time, subject to specific crop restrictions that may be found in the individual crop sections. All other crops may be planted after 12 months.

#### Limitations, Restrictions, and Exceptions

##### Cotton

##### Restrictions

Do not apply when conditions favor drift or when wind is above 10mph.

Do not apply more than 7.9 fl oz (0.124 pound active ingredient) per acre total for preplant, in-season weed control and harvest aid.

Do not apply more than 3.2 fl oz (0.05 pound active ingredient) per acre total for managed maturity and/or as a harvest aid.

## DIRECTIONS FOR USE

### PRE PLANT BURNDOWN

See instructions under the Pre Plant Burndown section of this label.

### Hooded Sprayer Applications

Apply AIM EC with hooded sprayers to control labeled weeds between the rows of the crop. Refer to the Hooded Sprayer Applications section of this label for additional specific use directions.

### Post-directed and Lay-by Applications

AIM EC is a contact herbicide for postemergence directed sprayer or hooded/shielded sprayer applications for the control of broadleaf weeds in cotton. Apply AIM EC alone or as a tank mixture with other herbicides to emerged and actively growing weeds. For specific mixing instructions, refer to the Mixing and Loading Instructions under the PRODUCT INFORMATION section. Applications of AIM EC or AIM EC tank mixes must be made with directed sprayers or hooded sprayers to prevent contact of spray solution with the cotton plant. Do not allow spray solution to contact cotton foliage, green stem tissue, or blooms. Directed spray equipment must position nozzles a minimum 3 to 4 inches above the soil, with nozzles directed beneath the crop canopy. AIM EC or AIM EC tank mix applications shall be made to cotton that is a minimum of 6 inches in height. Applications to cotton at 5 to 6 nodes or less must be made with hooded or shielded sprayer equipment to completely avoid contact with cotton plants. Apply lay-by applications of AIM EC or AIM EC tank mixtures at later growth stages of cotton when cotton plants have achieved a height of 12 inches or more with sufficient bark development and height differential between crop bottom leaves and the soil. Spray solution shall be directed at the base of cotton plants for minimal contact with green stem tissue or foliage while maintaining maximum contact with broadleaf weeds that are at appropriate treatment size.

For optimum performance, make application to actively growing weeds up to 4 inches tall and rosettes less than 3 inches across. Coverage is essential for good control.

### Adjuvant Requirements

A nonionic surfactant (NIS), methylated seed oil (MSO) or crop oil concentrate (COC) is required. Use a nonionic surfactant (NIS) at 0.25% v/v (2 pints per 100 gallons of

spray solution) having at least 80% active ingredient, or a methylated seed oil, or crop oil concentrate (COC)(petroleum or seed oil) at 1 to 2% v/v (1 to 2 gallons per 100 gallons of spray solution). A high quality sprayable liquid nitrogen fertilizer at 2 to 4 % v/v (2 to 4 gallons per 100 gallons spray solution) or ammonium sulfate (AMS) at the rate of 2 to 4 pounds per acre in addition to the nonionic surfactant methylated seed oil or crop oil is allowed.

#### AIM EC Use Rates and Weeds Controlled

Apply up to 1.6 fl oz (0.025 lb ai/A) AIM EC as a post-directed treatment using a directed sprayer a hooded sprayer or lay-by sprayer delivering a minimum finished spray volume of 10 gallons per acre. Do not apply more than 3.2 fl oz (0.05 lb.ai) AIM EC per season by post-directed and lay-by applications. Refer to weed control list in Table 3 for appropriate weed control information. For control of additional broadleaf weeds and grasses, AIM EC may be tank mixed with other herbicides registered for cotton post-directed and/or lay-by applications. Refer to the other product's label for restrictions on tank mixing, and observe all label precautions, instructions and rotational cropping restrictions.

#### Defoliation / Harvest Aid Application

Apply AIM EC as a harvest aid to defoliate and desiccate cotton and troublesome weeds that may be present at harvest. Apply AIM EC alone or as a tank mixture with other cotton harvest aids.

Use a quality spray adjuvant e.g. nonionic surfactant (NIS) or crop oil concentrate (COC) at the recommended rates. NIS is the recommended adjuvant during warmer periods with COC being the better choice for applications during cooler periods. Make application when 60 to 70 percent of the bolls are open, or according to the State Agricultural Extension Service guidelines in the use area.

Apply up to 1.6 fl oz AIM EC (up to 0.025 lb ai per acre) in spray volume sufficient to provide complete coverage of cotton foliage. Use a minimum of 10 gallons of finished spray per acre for ground application and 5 gallons per acre for aerial application. Coverage is essential for good defoliation. Repeat application if necessary to remove remaining foliage or control regrowth. Do not apply more than 3.2 fl oz (0.05 pound active ingredient) per acre total as a harvest aid. Dense cotton canopy, large plant size, and environmental conditions not conducive to complete plant coverage may reduce initial application performance and increase the need for a second application.

Apply AIM EC alone, as a tank mix, or as a sequential application alone or tank mixed with other registered cotton harvest aid products.

Refer to the other product's label for restrictions on tank mixing, and observe

#### Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Directed Spray](#)

[Hooded spray](#)

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Directed Spray](#)

[Hooded spray](#)

#### Pre-Harvest Interval

7 days

#### Restricted Entry Interval

12 hours

#### Timings

[Preplant](#)

[Postemergence \(Weed\)](#)