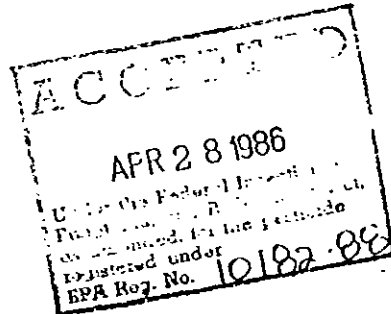


FUSILADE 2000 1E Herbicide
EPA Reg. No. 10182-88

Supplemental Labeling:

Directions for Use



1069
PM 23
10182-88

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This labeling must be in possession of the user at the time of application.

COTTON TANK-MIX WITH CYGON® 400

Apply FUSILADE 2000 1E and Cygon 400 in the tank mix when required according to the weed and insect problems present. Follow rate recommendations indicated in the tables below.

REGION A¹
APPLICATION RATE TABLE

FUSILADE 2000 1E		+	Cygon 400	
Product			Rate ^{2,3}	
FUSILADE 2000 1E	12-24 fl. oz/A (.094-.188 lb a.i./A)			
+				
Cygon 400	1/4-1/2 pint/A (.125-.250 lb a.i./A)			

¹ Region A - All states except the areas of Arizona, California, New Mexico, West Oklahoma, West Texas, Utah, and Colorado as outlined in the FUSILADE 2000 1E label.

² Follow the recommended rate and growth stage for the grass weeds being treated, as per the FUSILADE 2000 1E label.

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³ Follow the recommended rate for the target insect pest, as per the Cygon 400 label.

REGION B⁴
APPLICATION RATE TABLE

FUSILADE 2000 1E		+	Cygon 400	
Product			Rate ^{5,6}	
FUSILADE 2000 1E	16-48 fl. oz/A (0.125-0.375 lb a.i./A)			
+				
Cygon 400	1/4-1 pint/A (.125-.500 lb a.i./A)			

⁴ Region B - For the areas of Arizona, California, New Mexico, West Oklahoma, West Texas, Utah, and Colorado as outlined in the FUSILADE 2000 1E label.

⁵ Follow the recommended rate and growth stage for the grass weeds being treated, as per the FUSILADE 2000 1E label.

⁶ Follow the recommended rate for the target insect pest, as per the Cygon 400 label.

Timing - Apply to actively growing grasses before they exceed the recommended growth stages shown on the FUSILADE 2000 1E label. Apply as required for insect control based on scouting reports. Subsequent applications of Cygon 400 may be required as indicated by scouting reports. New growth or regrowth of grasses may be treated when size reaches recommended growth stages shown on label.

Do not apply if rainfall is expected within 1 hour.

Spray Additives (Cleared for use on growing crops) - Always add one of the following:

- Crop oil concentrate - Add a nonphytotoxic crop oil or a once-refined vegetable oil concentrate containing 15-20% approved emulsifier; at 1% (1 qt. per 25 gallons) of the finished spray volume. When using lower spray volumes, a minimum of 1 pint of crop oil concentrate should be used per acre.
- Nonionic surfactant - Add nonionic surfactant containing at least 75% surface active agent, at 0.25% ($\frac{1}{2}$ pint per 25 gallons) of the finished spray volume. However, the rate of surfactant should be a minimum of 6 fluid ounces per acre.

Ground Application - Use 5-40 gallons of total spray mixture per acre and 40-60 psi pressure. Sufficient spray volume and pressure should be provided to provide complete coverage of the foliage.

Use higher volumes and increase the pressure to 60 psi if foliage is dense to ensure complete coverage.

Band Applications - Band application equipment should be adjusted to provide maximum coverage of foliage in the planted row. Thorough coverage can be obtained with a nozzle directed to each side of the row towards the foliage in the planted row. Applications with a single nozzle over the top of the row are not recommended.

Do not use band applications when the grass is perennial. Reinfestation of the treated band can result from the untreated middle.

Aerial Application - Use a minimum of 5 gallons of finished spray volume per acre. If the foliage is dense, increase the spray volume to 10 gallons per acre to improve coverage.

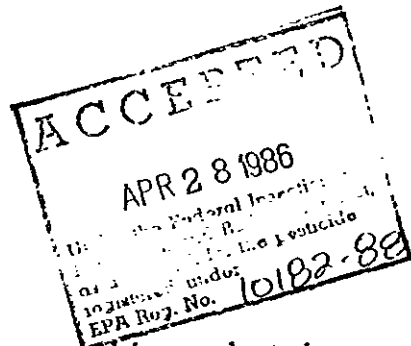
Mixing - Fill the spray tank half-full with water and add the recommended amounts of FUSILADE 2000 1E + Cygon 400 while the agitator is running. Then add crop oil concentrate or nonionic surfactant and the remaining quantity of water and mix thoroughly.

USE RESTRICTIONS

- Always read and follow the restrictions and limitations for all products whether used alone or in tank mix. The most restrictive labeling of any product used applies in tank mixtures. ✓
- A maximum of 96 fl. oz of FUSILADE 2000 1E may be applied per season to cotton. ✓
- Cotton may not be harvested within 90 days of a tank-mix application containing FUSILADE 2000 1E. ✓
- Do not graze or harvest for forage or hay. ✓
- Do not apply FUSILADE 2000 1E after boll set.
- Do not plant rotation: grass crops such as corn, sorghum, and cereals within 60 days after the last application of FUSILADE 2000 1E. ✓
- Avoid drift to all other crops and nontarget areas. ✓
- Clean sprayer with water and a commercial sprayer cleaner or surfactant/ adjuvant as per the recommended use directions of the respective products. ✓
- Apply to foliage when grasses are actively growing. ✓
- If automatic flagging is not possible, human flagger must wear protective clothing and respirator specified on Cygon 400 label. ✓
- Repeat application of Cygon 400 should not be made at intervals closer than 14 days. ✓
- Only two applications of Cygon 400 at the higher rate may be made per season. ✓

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FUSILADE 2000 1E Herbicide
EPA Reg. No. 10182-88



Supplemental Labeling:

Directions for Use

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COTTON TANK-MIX WITH AND BIDRIN® 8

Apply FUSILADE 2000 1E and Bidrin 8 in the tank mix when required according to the weed and insect problems present. Follow rate recommendations indicated in the tables below.

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REGION A¹
APPLICATION RATE TABLE

FUSILADE 2000 1E		+	Bidrin 8	
Product	Rate ^{2,3}			
FUSILADE 2000 1E	12-24 fl. oz/A (.094-.188 lb a.i./A) ✓			
+				
Bidrin	1.6-8.0 fl. oz/A (.025-.125 lbs a.i./A) ✓			

¹ Region A - All states except the areas of Arizona, California, New Mexico, West Oklahoma, West Texas, Utah, and Colorado as outlined in the FUSILADE 2000 1E label.

² Follow the recommended rate and growth stage for the grass weeds being treated, as per the FUSILADE 2000 1E label.

³ Follow the recommended rate for the target insect pest, as per the Bidrin 8 label.

REGION B⁴
APPLICATION RATE TABLE

Product	FUSILADE 2000 1E + Bidrin 8 Rate ^{5,6}
FUSILADE 2000 1E	16-48 fl. oz/A (0.125-0.375 lb i.a./A) ✓
+ Bidrin	1.6-8.0 fl. oz/A (.025-.125 lbs a.i./A) ✓

⁴ Region B - For the areas of Arizona, California, New Mexico, West Oklahoma, West Texas, Utah, and Colorado as outlined in the FUSILADE 2000 1E label.

⁵ Follow the recommended rate and growth stage for the grass weeds being treated, as per the FUSILADE 2000 1E label.

⁶ Follow the recommended rate for the target insect pest, as per the Bidrin 8 label.

Timing - Apply to actively growing grasses before they exceed the recommended growth stages shown on the FUSILADE 2000 1E label. Apply as required for insect control based on scouting reports. Subsequent applications of Bidrin 8 may be required as indicated by scouting reports. New growth or regrowth of grasses may be treated when size reaches recommended growth stages shown on label.

Do not apply if rainfall is expected within 1 hour.

Spray Additives (Cleared for use on growing crops) - Always add one of the following:

- Crop oil concentrate - Add a nonphytotoxic crop oil or a once-refined vegetable oil concentrate containing 15-20% approved emulsifier; at 1% (1 qt. per 25 gallons) of the finished spray volume. When using lower spray volumes, a minimum of 1 pint of crop oil concentrate should be used per acre.
- Nonionic surfactant - Add nonionic surfactant containing at least 75% surface active agent, at 0.25% (½ pint per 25 gallons) of the finished spray volume. However, the rate of surfactant should be a minimum of 6 fluid ounces per acre.

Ground Application - Use 5-40 gallons of total spray mixture per acre and 40-60 psi pressure. Sufficient spray volume and pressure should be provided to provide complete coverage of the foliage.

Use higher volumes and increase the pressure to 60 psi if foliage is dense to ensure complete coverage.

Band Applications - Band application equipment should be adjusted to provide maximum coverage of foliage in the planted row. Thorough coverage can be obtained with a nozzle directed to each side of the row towards the foliage in the planted row. Applications with a single nozzle over the top of the row are not recommended.

Do not use band applications when the grass is perennial. Reinfestation of the treated band can result from the untreated middle.

Aerial Application - Use a minimum of 5 gallons of finished spray volume per acre. If the foliage is dense, increase the spray volume to 10 gallons per acre to improve coverage.

Mixing - Fill the spray tank half-full with water and add the recommended amounts of FUSILADE 2000 1E + Bidrin 8 while the agitator is running. Then add crop oil concentrate or nonionic surfactant and the remaining quantity of water and mix thoroughly.

USE RESTRICTIONS

- BIDRIN IS A RESTRICTED USE PESTICIDE FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS, OR PERSONS UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.
- Always read and follow the restrictions and limitations for all products whether used alone or in tank mix. The most restrictive labeling of any product used applies in tank mixtures.
- A maximum of 96 fl. oz of FUSILADE 2000 1E may be applied per season to cotton. ✓
- Cotton may not be harvested within 90 days of a tank-mix application containing FUSILADE 2000 1E. ✓
- Do not graze or harvest for forage or hay. ✓
- Do not apply FUSILADE 2000 1E after boll set. ✓
- Do not plant rotational grass crops such as corn, sorghum, and cereals within 60 days after the last application of FUSILADE 2000 1E. ✓
- Avoid drift to all other crops and nontarget areas. ✓
- Clean sprayer with water and a commercial sprayer cleaner or surfactant/ adjuvant as per the recommended use directions of the respective products. ✓
- Apply to foliage when grasses are actively growing. ✓
- Automatic flagging devices should be used when possible whenever Bidrin 8 is used. ✓
- Do not enter area treated with Bidrin 8 for 48 hours unless appropriate clothing is worn. ✓
- Oral or written warnings must be given workers who are expected to enter a treated area or area about to be treated with Bidrin 8. Oral warnings must be in language customarily understood by workers. ✓
- Bidrin 8 may not be applied more than 3 times per season. ✓
- Bidrin cannot be used within 30 days of harvest. ✓

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Add:

Kikuyagrass (Pennisetum clandestinum) 4-8" runners

FUSILADE 2000

Spray Additives (Cleared for use on growing crops)

ALWAYS ADD ONE OF THE FOLLOWING:

- **Crop Oil Concentrate**-Add a nonphytotoxic crop oil or a once refined vegetable oil concentrate containing 15-20% emulsifier, at 1% (1 quart per 25 gallons) of the finished spray volume.
- **Nonionic Surfactant**- Add nonionic surfactant containing at least 75% surface wetting agent, at 0.25% (½ pint per 25 gallons) of finished spray volume. Use only nonionic surfactant on ornamentals.

DIRECTIONS FOR USE

ANNUAL AND PERENNIAL GRASS CONTROL RECOMMENDATIONS FOR NONFOOD USES

- Use 32-48 oz. of FUSILADE 2000 1E herbicide per acre and 1% crop oil concentrate (1 quart per 25 gallons) or 0.25% (½ pint per 25 gallons) of a nonionic surfactant. Use only nonionic surfactant on ornamentals.
- Spray to obtain thorough coverage of grass foliage, but not to runoff. Repeat treatments may be necessary to provide full season control.
- Use standard pesticide hollow cone or flat fan nozzles.
- Apply FUSILADE 2000 1E herbicide to actively growing grasses before they exceed the recommended growth stages shown below.
- Do not apply FUSILADE 2000 1E herbicide to grasses which are stressed due to moisture, temperature, low soil fertility, mechanical or chemical injury.
- Do not apply to grasses which have tillered, formed seed heads, or exceeded recommended growth stages.
- Apply FUSILADE 2000 herbicide when the first grass species in a mixed grass weed population reaches the recommended growth stage for treatment.
- Do not use a crop oil concentrate with FUSILADE 2000 1E on ornamentals.

ANNUAL & PERENNIAL GRASS CONTROL FOR NONFOOD USES

ANNUALS

Grass Species

Growth Stage: 2-8" tall, before tillering and/or heading

- Barnyardgrass (*Echinochloa crusgalli*)
- Broadleaf signalgrass (*Brachiaria platyphylla*)
- Crabgrass, Large (*Digitaria sanguinalis*)
- Crabgrass, smooth (*Digitaria ischaemum*)
- Fall Panicum (*Panicum dicholomiflorum*)
- Field sandbur (*Cenchrus pauciflorus*)
- Foxtail, giant (*Setaria faberi*)
- Foxtail, green (*Setaria viridis*)
- Foxtail, yellow (*Setaria lutescens*)
- Goosegrass (*Eleusine indica*)
- Guineagrass, seedling (*Panicum maximum*)
- Itchgrass (*Rottboellia exaltata*)
- Johnsongrass, seedling (*Sorghum halepense*)
- Junglerice (*Echinochloa colonum*)
- Prairie cupgrass (*Eriochloa contracta*)
- Red rice (*Oryza sativa*)
- Shattercane/Wildcane/Volunteer milo (*Sorghum bicolor*)
- Southern sandbur (*Cenchrus echinatus*)
- Southwestern cupgrass (*Eriochloa gracilis*)
- Texas panicum (*Panicum texanum*)
- Volunteer barley (*Hordeum vulgare*)
- Volunteer oats (*Avena fatua*)
- Volunteer rye (*Secale cereale*)
- Volunteer corn (*Zea mays*)
- Volunteer wheat (*Triticum aestivum*)
- Wild oats (*Avena fatua*)
- Wild proso millet (*Panicum miliaceum*)
- Witchgrass (*Panicum capillare*)
- Woolly cupgrass (*Eriochloa villosa*)

PERENNIALS

Grass Species

Growth Stage:

Bermudagrass (<i>Cynodon dactylon</i>)	4-8" runners
Guineagrass (<i>Panicum maximum</i>)	6-12" tall before seed-head initiation
COPY A	
Quackgrass (<i>Agropyron repens</i>)	6-10"
Rhizome johnsongrass (<i>Sorghum halepense</i>)	8-18" tall and before boot stage
Torpedograss* (<i>Panicum repens</i>)	3-6" tall (1st application) 2-3" tall (subsequent application)
Wirestem muhly (<i>Muhlenbergia frondosa</i>)	4-12" tall and before seedhead initiation

*Use 48 fl oz per acre per application. Three applications will be needed

TABLE I

OVER-THE-TOP APPLICATIONS

may be applied to the following ornamentals:

Use Only Nonionic Surfactant on Ornamentals

Scientific Name	Common Name/ Variety
<i>Abelia grandiflora</i>	Glossy abelia
<i>Abies concolor</i>	Concolor fir
<i>Abies procera</i>	Noble fir
<i>Acacia redolens</i>	Acacia ongerops
<i>Acacia salicina</i>	Willow-leaved acacia
<i>Acacia saligna</i>	Willow acacia
<i>Acacia schaffnerii</i>	Jim wheat acacia
<i>Acacia stenophylla</i>	Shoe-string acacia
<i>Acer palmatum</i>	Maple/japanese
<i>Acer platanoides</i>	Norway maple
<i>Acer saccharinum</i>	Silver maple
<i>Achillea filipendulina</i>	Coronation gold, fernleaf yarrow
<i>Achillea millefolium</i>	Common yarrow
<i>Acrocastrum romanoffianum</i>	Queen palm
<i>Agapanthus africanus</i>	Peter pan lily of the Nile
<i>Agave americana</i>	Century plant
<i>Ageratum sp.</i>	
<i>Aglaonema commutatum</i>	Silver Queen evergreen, Fransher evergreen, Trebii Ribbon evergreen
<i>Aglaonema crispum</i>	Painted evergreen
<i>Alcea rosea</i>	Hollyhock
<i>Allium schoenoprasum</i>	Chives
<i>Aloe barbadensis</i>	Barbados aloe
<i>Aloe vera</i>	
<i>Aloe zanzibarica</i>	
<i>Alyssum sp.</i>	
<i>Araucaria heterophylla</i>	Norfolk Island pine
<i>Arctostaphylos uva-ursi</i>	red bearberry
<i>Arctotheca calendula</i>	Cape weed
<i>Arenaria verna</i>	sandwort
<i>Asparagus densiflorus</i>	Sprenger, Myres asparagus, Sprenger asparagus
<i>Astilbe x arendsii</i>	False spirea
<i>Atriplex sp.</i>	Saltbrush
<i>Aucuba japonica</i>	Aucuba
<i>Aucuba japonica variegata</i>	
<i>Berberis mentorensis</i>	Mentor barberry
<i>Berberis thunbergii</i>	Crimson pygmy
<i>Bougainvillea sp.</i>	Raspberry ice
<i>Buxus microphylla koreana</i>	Korean boxwood
<i>Buxus microphylla var. japonica</i>	Japanese boxwood
<i>Buxus sempervirens</i>	Welleri, Common boxwood