

OCT 30 1987

10182-104

DIRECTIONS FOR USE

Conversion Table
FUSILADE 2000 Rate
to be Applied

lb. a.i./ Acre	pints/ Acre	fl. oz./ Acre	Acres/ Gallon
0.094	$\frac{1}{4}$	12	10.7
0.125	1	16	8.0
0.156	$1\frac{1}{4}$	20	6.4
0.188	$1\frac{1}{2}$	24	5.3
0.250	2	32	4.0
0.375	3	48	2.7

FUSILADE 2000 contains 1 pound of active
ingredient per gallon.

Always add crop oil concentrate
or nonionic surfactant (cleared for
use on growing crops).

EPA Registered Uses as of



ICI Americas Inc.
Agricultural Chemicals Division
Wilmington, Delaware 19837

ACD 761-376 J/F

EPA Reg No 10182-104

Supplemental Pamphlet
For Cotton, Soybeans,
Nonbearing Crops,
Ornamentals and
Fallow Land.

← COPY A



Keep Out of Reach
of Children

CAUTION

See Pages 2-3 For Additional
Precautionary Statements and
Statement of Practical Treatment.

SUPPLEMENTAL PAMPHLET

COPY A

Supplemental Label for Cotton, Soybeans, Carrots, Dry Bulb Onions, Garlic,
Nonbearing Food Crops and Fallow Land

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COPY B

COTTON, SOYBEANS, CARROTS, DRY BULB ONIONS, AND GARLIC

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Do not exceed the maximum application rates for FUSILADE 2000.

REENTRY STATEMENTS

Do not treat areas while unprotected humans or domestic animals are present in the treatment areas. Do not allow entry into treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Warnings must include the following information: "CAUTION: Area treated with FUSILADE® 2000 on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure to pesticide spray, wash the skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Get medical attention. If in eyes, flush with plenty of water. Get medical attention if needed."

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

STORAGE: Store in original container only. Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste area.

PESTICIDE DISPOSAL: Pesticide wastes are 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 DISPOSAL:

Metal Containers: Triple-rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

Plastic Containers: Triple-rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Glass Containers: Triple-rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved state and local procedures.

DIRECTIONS FOR USE

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

This labeling must be in the possession of the user at the time of application.

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GENERAL INFORMATION

FUSILADE® 2000 Herbicide is a selective post-emergence herbicide for control of annual and perennial grass weeds. FUSILADE 2000 will provide effective control of grass weeds in conventional tillage, minimum tillage, and no-till plantings. FUSILADE 2000 does not control broadleaf weeds or sedges (nutgrass).

Control Symptoms - FUSILADE 2000 is a systemic herbicide which moves from the treated foliage into the shoots, roots, rhizomes, stolons, and growing points (meristematic regions) of treated grass weeds. Excellent control of a wide range of annual and perennial grass weeds will be obtained with FUSILADE 2000 when applied as recommended on this label.

Growth of treated grass weeds stops soon after application. Symptoms include loss of vigor, yellowing and/or reddening, and eventual death to the treated grass plant. Symptoms are generally observed within one to three weeks, depending on grass weed species and environmental conditions.

APPLICATION DIRECTIONS

Timing - Apply to actively growing grass weeds before they exceed the recommended growth stages shown on this label.

Do not apply FUSILADE 2000 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 non-phyto-toxic crop oil concentrate or a once refined vegetable oil concentrate containing 15-20% approved emulsifier, at 1% (1 quart per 25 gallons) of the finished spray volume. For aerial applications, add one pint of crop oil concentrate per acre.
- Nonionic Surfactant - Add nonionic surfactant containing at least 75% surface active agent, at 0.25% (1/4 pint per 25 gallons) of the finished spray volume for ground sprays. For aerial application, add 1 pint of surfactant per acre.

Ground Application - Use sufficient spray volume and pressure to ensure complete coverage. Use 5-40 gallons of spray volume per acre and 40-60 psi pressure. A sufficient spray volume and pressure should be used to provide complete coverage of the treated grass weed species. Use higher volumes and pressure if the grass foliage is dense to ensure complete coverage.

DO NOT USE FLOOD TYPE OR OTHER SPRAY NOZZLE TIPS WHICH DELIVER COARSE, LARGE DROPLET SPRAYS.

DO NOT APPLY FUSILADE 2000 WITH RECIRCULATING SPRAYERS, ROPEWICK APPLICATORS, CONTROLLED DROPLET APPLICATORS (CDA) OR ANY SIMILAR DEVICES.

Band Applications - Band application equipment should be adjusted to provide maximum coverage of grasses in the planted row. Thorough coverage can be obtained with a nozzle directed to each side of the row toward the grass weeds in the row. Application with a single nozzle directly over the row is not recommended.

The use of band applications on perennial grasses may result in reinfestation of the treated band from the untreated middle and is not recommended.

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

Cultivation - Cultivation no sooner than 7 days after application will often assist in grass weed control. Cultivation of treated grasses 7 days prior to or within 7 days after application of FUSILADE 2000 may reduce weed control.

Spot Treatments

Mix FUSILADE 2000 and crop oil concentrate or nonionic surfactant with water according to the amounts shown on page 8. Spray to obtain thorough coverage, but do not spray to runoff. Re-treat if necessary. Use only nonionic surfactant on ornamentals.

In cotton, applications must be made prior to boll set. Do not apply a total of more than 96 oz. of FUSILADE 2000 per acre per season to cotton.

In soybeans, applications must be made prior to bloom. Do not apply a total of more than 64 oz. of FUSILADE 2000 per acre per season to soybeans.

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Only oil concentrate and nonionic surfactants cleared for use on growing crops under 40 CFR 180.1001 may be used in spray mixture.

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BAND APPLICATIONS - Thorough weed coverage is important for control. Best coverage is obtained with a minimum of two nozzles, one directed to each side of the planted row. A single nozzle directed over the top of the row during application may not provide adequate coverage and is not recommended.

Apply the broadcast equivalent rate and volume per acre. Calculate these by the following formulas:

$$\frac{\text{Band width in inches}}{\text{row width in inches}} \times \text{broadcast rate} = \text{Band herbicide rate per acre}$$
$$\frac{\text{Band width in inches}}{\text{row width in inches}} \times \text{broadcast volume} = \text{Band water volume per acre}$$

The use of band applications on perennial grasses may result in reinfestation of the treated band from the untreated middle and is not recommended.

SPOT SPRAY RECOMMENDATIONS

To Make This Spray Volume	Add These Amounts		
	FUSILADE 2000	Crop/Vegetable Oil Concentrate ¹ or Surfactant	Nonionic
1 gallon	1 1/2 fl. oz. (3 tbsp.)	1 1/2 fl. oz.	or 1/4 fl. oz.
10 gallons	13 fl. oz.	13 fl. oz.	3 fl. oz.
25 gallons	32 fl. oz.	1 quart	1/2 pint
50 gallons	64 fl. oz.	2 quarts	1 pint

¹Do not use a crop oil concentrate on ornamentals. Use only nonionic surfactant on ornamentals.

DIRECTIONS FOR USE

ANNUAL AND PERENNIAL GRASS WEED CONTROL FOR COTTON AND SOYBEANS



¹Alabama, Arkansas, California (Northern, see regional map), Connecticut, Delaware, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada (Northern, see regional map), New Hampshire, New Jersey, New York, North Carolina, North Dakota, Ohio, Oklahoma (Eastern, broadly defined as east of Interstate 35), Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas (Eastern, broadly defined as east of Interstate 35), Utah (Northern, see regional map), Vermont, Virginia, Washington, West Virginia, Wisconsin, and Wyoming.

²Arizona, California (Southern, see regional map), Colorado, Oklahoma (Western, broadly defined as west of Interstate 35), Nevada (Southern, see regional map), New Mexico, Utah (Southern, see regional map), and Texas (Western, broadly defined as west of Interstate 35).

REGIONS A & B

- Apply to actively growing grasses.
- Apply at the recommended rate to grasses at the recommended growth stages as outlined.
- Do not apply to grasses which are stressed due to moisture, temperature, low soil fertility, mechanical or chemical injury.
- Do not apply to grasses which have formed seed heads, or exceeded recommended growth stages.
- Apply when the first grass weed species in a mixed grass weed population reaches the recommended growth stage for treatment.
- For mixed grass populations, use the highest recommended rate for grasses in that group.
- Where irrigation is used as part of normal cropping practice, best results are usually obtained when FUSILADE 2000 is applied within 7 days after irrigation.

REGION A - Annual Grass Control

- Rates for annual grass control in Region A are 12-32 oz. of FUSILADE 2000 per acre.
- Re-treat at the recommended rate if needed to control late-germinating grasses.

REGION B - Annual Grass Control

- Rates for annual grass control in Region B are 16-48 oz. of FUSILADE 2000 per acre.
- In cotton, re-treat at the recommended rate if needed to control late germinating grasses or re-growth.
- In soybeans, do not apply more than 64 oz of FUSILADE 2000 per acre per season.

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ANNUAL AND PERENNIAL GRASS WEED CONTROL FOR COTTON, SOYBEANS, CARROTS, DRY BULB ONIONS, AND GARLIC

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PERENNIALS (cont.)		REGION A	
Grass Species	Appli.	Ht. (in.)	Rate fl.oz./A
Wirestem muhly (<i>Muhlenbergia frondosa</i>)	1st	4-12	24 oz.
Remarks If re-growth occurs, re-treat at the recommended rate and height.			
PERENNIALS		REGION B	
For best results, apply FUSILADE 2000 3 days before to 7 days after irrigation.			
Grass Species	Appli.	Ht. (in.)	Rate fl.oz./A
Bermudagrass (<i>Cynodon dactylon</i>)	1st	4-8 (runner length)	32 to 48 oz.
Remarks In cotton re-treat at recommended rate and runner length (usually occurs about 4 weeks after first application). In soybeans, do not apply more than 64 oz. in one season. Bermudagrass is a low-growing perennial, and the crop canopy may shield it from herbicide sprays. Improvement in coverage may be achieved by directing the spray under the crop canopy. A minimum spray volume of 20 gallons/acre is suggested to improve coverage.			
	2nd	4-8	32 to 48 oz.
Rhizome johnsongrass (<i>Sorghum halepense</i>)	1st	12-18	32 oz.
Remarks Apply before the boot stage of growth. The second application should be made at the recommended rate to 12-18 inch tall johnsongrass (usually occurs about 4 weeks after first application).			
	2nd	12-18	24 to 32 oz.

LABELED CROPS-Remarks and Precautions
COTTON - Do not apply a total of more than 96 oz. of FUSILADE 2000 herbicide per acre per season to cotton.

Do not harvest cotton within 90 days of application.
 Do not apply after boll set.
 Do not graze or harvest for forage or hay.
 Do not plant rotational grass crops such as corn, sorghum and cereals within 60 days after last application.

SOYBEANS - Do not apply a total of more than 64 oz. of FUSILADE 2000 herbicide per acre per season to soybeans.

Make last application before bloom.
 Do not graze or harvest for forage or hay.
 Do not plant rotational grass crops such as corn, sorghum and cereals within 60 days after last application.

SOYBEAN TANK-MIX
FUSILADE® 2000 HERBICIDE/
SASAGRAN® HERBICIDE
Postemergence Control of Grass and Broadleaf Weeds

FUSILADE 2000 herbicide and Basagran herbicide may be used together in a post-emergence program for broad-spectrum weed control in soybeans.

FUSILADE 2000 is a selective postemergence herbicide for control of annual and perennial grass weeds in soybeans. Basagran is a selective postemergence herbicide for the control of certain broadleaf weeds. FUSILADE 2000 herbicide and Basagran herbicide may be applied sequentially or in tank-mix. The growth stage of weeds at the time of application will determine which method of application will provide the most satisfactory results. Both FUSILADE 2000 and Basagran herbicide should be applied to actively growing weeds. See Basagran herbicide label for defined environmental conditions that promote active growth. Do not apply either herbicide if weeds

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Dry Bulb Onions & Garlic - Do not apply a total of more than 96 oz. of FUSILADE 2000 Herbicide per acre per crop season to dry bulb onions or garlic.

Do not harvest dry bulb onions or garlic within 45 days of application.

Do not plant rotational grass crops such as corn, sorghum, and cereals within 60 days after last application.

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