

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND  
DOMESTIC ANIMALS  
WARNING**

Causes eye irritation. Harmful if swallowed, inhaled or absorbed through skin. Do not get in eyes, on skin or on clothing. Wear protective clothing and PVC gloves when handling. Wash protective clothing, PVC gloves and apron and hat face shield when handling or mixing concentrate. Avoid breathing vapors of spray mist. Wash thoroughly with soap and water after handling and before eating or drinking. Remove contaminated clothing and wash before reuse.

**STATEMENT OF PRACTICAL TREATMENT:**

**IF SWALLOWED:** Do not induce vomiting. Call a physician immediately.  
**IF IN EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.  
**IF ON SKIN:** Immediately remove contaminated clothing and wash thoroughly with plenty of soap and water. Get medical attention if irritation persists.

**NOTE TO PHYSICIAN:** Inducing vomiting is not advised for this substance. It may result in increased risk of chemical pneumonia or pulmonary edema caused by aspiration of the herbicide. Vomiting should be induced only under professional supervision.  
For 24-hour emergency assistance call (800) 575-3000.

**ENVIRONMENTAL HAZARDS:** Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of waste. Do not apply when weather conditions favor drift from target area.

In case of a significant spill, call CHEMTREC (800) 424-9300.

**PHYSICAL OR CHEMICAL HAZARDS:** Do not use in open flame or near heat.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage and disposal. Open dumping is prohibited. Do not reuse empty containers. Residual spray mixture in receptacles that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act. Triple rinse for emptying and disposal of in limited approved for pesticide containers. Consult label, state or local disposal authorities for approved alternate procedures.

**NOTE TO BUYER AND USER:** Seller warrants that this product conforms to the chemical composition on the label and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions or under abnormal use conditions, or under conditions not expressly warranted to Seller and Buyer and does not diminish the right of any such user, Seller or Buyer. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY, SELLER SHALL NOT BE LIABLE FOR. THIS WARRANTY, SPECIFIC OR IMPLIED, DOES NOT EXTEND TO THE USER'S LIABILITY AND BUYER'S AND USER'S EXCLUSION HEREBY SHALL BE LIMITED TO THE EXTENT OF THE PURCHASE PRICE.

AGD 761-30 G/C



**KEEP OUT  
OF REACH  
OF CHILDREN**

**WARNING**

See Side Panel For Additional  
Precautionary Statements and  
Statement of Practical Treatment.

EPA Est. No. 5605 AR-1  
EPA Reg. No. 10162-67

Net Contents  
**ONE QUART**

Batch No.

**POSTEMERGENCE HERBICIDE FOR CONTROL OF PERENNIAL AND  
ANNUAL GRASS WEEDS IN COTTON AND SOYBEANS**

**ACTIVE INGREDIENT:**

butyl 5-(2-(4-((5-(trifluoromethyl)-2-  
pyridinyl)ethyl)phenoxy)propenoate

46.5%

**INERT INGREDIENTS**

53.5%

**TOTAL**

100.0%

\*Butyl-butyl

FUSILADE 4E contains 4 pounds active ingredient per gallon.

**DIRECTIONS FOR USE**

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

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

10162-67

BEST DOCUMENT AVAILABLE

SUPPLEMENTAL LABEL FOR  
NONCROP AND NONFOOD USES

FUSILADE™ 4E Herbicide

EPA Reg. No. 10182-67

Not recommended for domestic application.

Apply only with tractor-mounted equipment.

with comments  
10/18/67

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 pesticide application.

GENERAL INFORMATION

FUSILADE 4E is a selective postemergence herbicide for control of annual and perennial grasses in many nonfood crops and noncrop areas. FUSILADE 4E does not control broadleaf weeds or sedges (nutgrass).

Application Information and Timing - Thorough spray coverage is required for optimum control of grasses present. Apply to actively growing grasses before they exceed the recommended growth stages shown on this label.

Control Symptoms - FUSILADE 4E is a systemic herbicide which moves from the treated foliage into the rhizomes, stolons, and growing points of grasses. Excellent control of a wide range of annual and perennial grasses will be obtained with FUSILADE 4E when applied as recommended on this label.

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

REMARKS AND PRECAUTIONS

Do not apply FUSILADE 4E if rainfall is expected within 1 hour.

Do not tank mix FUSILADE 4E with herbicides or other pesticides, with liquid fertilizers or with any other additives except as specified on this label. Sequential application of other herbicides within five days before or after FUSILADE 4E application has sometimes resulted in reduced grass control.

Clean sprayer thoroughly before and after the application of FUSILADE 4E. Failure to clean sprayer thoroughly after application may result in injury to any grass crop subsequently sprayed, including corn, sorghum, small grains, sugar cane, rice and turf.

Avoid drift to all other crops and nontarget areas. Grass crops are highly susceptible to FUSILADE 4E.

All applicable directions, restrictions, and precautions on the EPA registered label are to be followed.

NONCROP AREAS

FUSILADE 4E herbicide can be used to control grass weeds in areas such as airports, electric transformer stations and substations, pipeline pumping stations, around buildings, storage yards, fence lines, parkways, roadsides, rights-of-way, and other noncropland areas.

NOTE: IF SPRAYING AREAS ADJACENT TO ORNAMENTAL TREES, SHRUBS OR GROUND COVERS:

DO NOT APPLY TO FOLIAGE OF ORNAMENTAL TREES, SHRUBS OR GROUND COVERS UNLESS THEY ARE LISTED IN TABLE I OF THE ORNAMENTAL SECTION OF THIS LABEL.

For specific rates of application and instructions for control of grass weeds, see the "Directions for Application" section of this label.

FALLOW LAND

FUSILADE 4E herbicide can be used to control grass weeds during fallow periods.

Do not plant rotational crops other than cotton and soybeans within 60 days after last application.

For specific rates of application and instructions for control of grass weeds, see the "Directions for Application" section of this label.

NONBEARING TREE CROPS AND VINES

FUSILADE 4E herbicide can be used to control grass weeds in nonbearing groves, orchards or vineyards or for site preparation prior to transplanting.

APPLY AS A DIRECTED SPRAY TO PREVENT CONTACT OF SPRAY WITH FOLIAGE OF TREES OR VINES.

DO NOT APPLY TO TREES OR VINES THAT WILL BE HARVESTED WITHIN ONE YEAR AFTER APPLICATION.

FUSILADE 4E is recommended on the following nonbearing crops:

Almonds	Grapes	Pears
Apples	Grapefruit	Pecans
Apricots	Lemons	Pistachios
Avocados	Limes	Plums
Berries	Macademia	Pomegranates
Cherries	Nectarines	Prunes
Dates	Olives	Tangelos
Figs	Oranges	Tangerines
Filberts	Peaches	Walnuts

For specific rates of application and instructions for control of grass weeds, see the "Directions for Application" section of this label.

ORNAMENTALS

FUSILADE 4E herbicide can be used to control grass weeds in many newly transplanted and established nongrassy ornamentals, trees, shrubs and ground covers. See the following Tables I and II for specific recommended uses. (USE ONLY NONIONIC SURFACTANT ON ORNAMENTALS.)

Application of FUSILADE 4E may be made over-the-top to ornamentals listed in Table I. Apply as a directed spray to prevent contact of spray with foliage of ornamentals listed in Table II.

For specific rates of application and instructions for control of grass weeds, see the "Directions for Application" section of this label.

DIRECTIONS FOR APPLICATION

Use 1 pint of FUSILADE 4E and 1 quart of crop oil concentrate or 1/2 pint of a nonionic surfactant per 25 gallons of water (Use only nonionic surfactant on ornamentals). Apply by ground equipment using 25 gallons of diluted spray per treated acre with 30-60 psi pressure. Spray to obtain thorough coverage of grass foliage, but not to run-off. Repeat treatments may be necessary to provide full-season control. Use standard pesticide hollow cone or flat fan nozzles.

<u>To Make This Spray Volume</u>	<u>Add These Amounts</u>			<u>To Treat</u>
	<u>FUSILADE</u>	<u>Crop Oil Concentrate<sup>a</sup></u>	<u>Nonionic Surfactant<sup>b</sup></u>	
✓ 25 gal	1 pint	1 quart	1/2 pint	1 acre
✓ 50 gal	1 quart	2 quarts	1 pint	2 acres
100 gal	2 quarts	1 gallon	1 quart	4 acres

<sup>a</sup> Do not use crop oil concentrate on ornamentals. Use nonphytotoxic crop oil concentrates that contain 15-20% surfactant.

<sup>b</sup> Use nonionic surfactants that contain at least 80% surface active agent.

Apply FUSILADE 4E to actively growing grasses before they exceed the recommended growth stages shown below:

<u>Grass</u>	<u>Growth Stage</u>
<u>Perennial Grasses</u>	
Johnsongrass ( <u>Sorghum halepense</u> )	12-18" tall and before boot stage.
Bermudagrass ( <u>Cynodon dactylon</u> )	3" tall or with 4-8" runners.
Quackgrass ( <u>Agropyron repens</u> )	3-5 leaves, not more than 10" tall.
Guineagrass ( <u>Panicum maximum</u> )	6-12" tall and before seedhead initiation
<u>Annual Grasses</u>	
Barnyardgrass ( <u>Echinochloa crusgalli</u> ) Broadleaf signalgrass ( <u>Brachiaria platyphylla</u> ) Fall panicum ( <u>Panicum dichotomiflorum</u> ) Field sandbur ( <u>Cenchrus pauciflorus</u> ) Foxtail, green ( <u>Setaria viridis</u> ) Foxtail, giant ( <u>Setaria faberi</u> ) Foxtail, yellow ( <u>Setaria lutescens</u> ) Goosegrass ( <u>Eleusine indica</u> ) Guineagrass, seedling ( <u>Panicum maximum</u> ) Itchgrass ( <u>Rottboellia exaltata</u> ) Johnsongrass, seedling ( <u>Sorghum halepense</u> ) Junglerice ( <u>Echinochloa colonum</u> ) Large crabgrass ( <u>Digitaria sanguinalis</u> ) Prairie cupgrass ( <u>Eriochloa contracta</u> ) Red rice ( <u>Oryza sativa</u> ) Shattercane/Wildcane/Volunteer milo ( <u>Sorghum bicolor</u> ) Smooth crabgrass ( <u>Digitaria ischaemum</u> ) Southern sandbur ( <u>Cenchrus echinatus</u> ) Southwestern cupgrass ( <u>Eriochloa gracilis</u> ) Texas panicum ( <u>Panicum texanum</u> ) Volunteer barley ( <u>Hordeum vulgare</u> ) Volunteer corn ( <u>Zea mays</u> ) Volunteer wheat ( <u>Triticum aestivum</u> ) Wild oats ( <u>Avena fatua</u> ) Wild proso millet ( <u>Panicum miliaceum</u> )	2-4" tall, before tillering and/or heading.

TABLE I

OVER-THE-TOP APPLICATIONS may be applied to the following ornamentals:

USE ONLY NONIONIC SURFACTANT ON ORNAMENTALS

Alyssum <u>Alyssum spp.</u>	Holly <u>Ilex spp.</u>
Arborvitae <u>Thuja spp.</u>	Japanese snowball <u>Viburnum spp.</u>
Cinquefoil <u>Potentilla spp.</u>	Lilyturf <u>Liriope spp.</u>
Cotoneaster <u>Cotoneaster spp.</u>	O'Connor's legume <u>Trifolium fragiferum</u>
Dogwood <u>Cornus spp.</u>	Periwinkle <u>Vinca minor</u>
Douglas fir <sup>1/</sup> <u>Pseudotsuga spp.</u>	Pine <sup>1/</sup> <u>Pinus spp.</u>
English Ivy <u>Hedera helix</u>	Privet <u>Ligustrum spp.</u>
Euonymus <u>Euonymus spp.</u>	Rhododendron (excluding Azalea)
Fir <sup>1/</sup> <u>Abies spp.</u>	Spruce <sup>1/</sup> <u>Picea spp.</u>
Forsythia <u>Forsythia spp.</u>	Yew <sup>1/</sup> <u>Taxus spp.</u>
Hemlock <sup>1/</sup> <u>Tsuga spp.</u>	

<sup>1/</sup> DIRECTED APPLICATION recommended from budbreak, through initial growth hardening.

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TABLE II

DIRECTED APPLICATIONS to avoid ornamental foliage are recommended for the following:

Ajuga <u>Ajuga spp.</u>	Magnolia <u>Magnolia spp.</u>
Almond (flowering) <u>Prunus spp.</u>	Maple <u>Acer spp.</u>
Ash <u>Fraxinus spp.</u>	Marigold <u>Calandula spp.</u>
Azalea <u>Rhododendron spp.</u>	Mountainash <u>Sorbus spp.</u>
Barberry <u>Berberis spp.</u>	Oak <u>Quercus spp.</u>
Beech <u>Fagus spp.</u>	Peach (flowering) <u>Prunus spp.</u>
Birch <u>Betula spp.</u>	Pear (flowering) <u>Pyrus spp.</u>
Boxwood <u>Buxus spp.</u>	Petunia <u>Petunia spp.</u>
Cherry (flowering) <u>Prunus spp.</u>	Photinia <u>Photinia spp.</u>
Crabapple <u>Malus spp.</u>	Pittosporum <u>Pittosporum spp.</u>
Crepe Myrtle <u>Lagerstroemia indica</u>	Plum (flowering) <u>Prunus spp.</u>
Elm <u>Ulmus spp.</u>	Quince <u>Chaenomeles spp.</u>
Eucalyptus <u>Eucalyptus spp.</u>	Redbud <u>Cercis spp.</u>
Firethorn <u>Pyracantha spp.</u>	Spirea <u>Spiraea spp.</u>
Gardenia <u>Gardenia spp.</u>	Sweet-gum <u>Liquidambar spp.</u>
Geranium <u>Pelargonium spp.</u>	Tulip-tree <u>Liriodendron spp.</u>
Horsechestnut <u>Aesculus spp.</u>	Willow <u>Salix spp.</u>
Impatiens <u>Impatiens spp.</u>	Zinnia <u>Zinnia spp.</u>
Juniper <u>Juniperus spp.</u>	



NOTICE TO BUYER: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Seller and Buyer assumes the risk of any such use. Seller disclaims all other warranties expressed or implied including any warranty of fitness or merchantability. Seller shall not be liable for consequential special or indirect damages resulting from the use or handling of this product and Seller's sole liability and Buyer's exclusive remedy shall be limited to the refund of the purchase price.

Conversion Table  
FUSILADE 4E Rate to be Applied

lb ai/A	pints/A	fl oz/A	A/gal
1/8	1/4	4	32
3/16	3/8	6	21.3
1/4	1/2	8	16
3/8	3/4	12	10.7
1/2	1	16	8

FUSILADE 4E contains 4 pounds of active ingredient per gallon.

Ms. Barbara J. Kaminski  
ICI Americas, Inc.  
Agricultural Chemicals Div.  
Wilmington, DE 19397

Dear Ms. Kaminski:

Subject: Noncrop, Nonfood Uses  
Pusilade 4E Herbicide  
EPA Registration No. 10182-67  
Your Submissions Dated April 25 and June 6, 1983

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(B), is acceptable, provided that you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit production information (pounds or gallons produced) for this product for the fiscal year in which the uses on noncrop, nonfood uses is (are) conditionally registered, in accordance with FIFRA sec. 29. The production information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year.

This information should be submitted to:

Process Coordination Branch  
Registration Division (TS-767)  
Environmental Protection Agency  
Washington, D.C. 20460

3. Make the following labeling changes before you release the product for shipment bearing the amended labeling:

- a. Expand the reference to domestic application to include the sentence - Not for use or storage in or around the home.
- b. Add - This product is toxic to fish - to the ENVIRONMENTAL HAZARD section. Acute toxicity studies for bluegill sunfish reported to date indicate 96-hr. LC<sub>50</sub> values below 1 ppm for the active ingredient. The use along rights-of-way, particularly railroads, could result in significant exposure of fish in water immediately adjacent to the right-of-way.

CONCURRENCES							
SYMBOL ▶							
SURNAME ▶							
DATE ▶							

4. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Richard F. Mountfort *RFM*  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (TS-767)

Enclosure