



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAR 4 1994

Diane L. Rosi
HOECHST CELANESE CORPORATION
Route 202-206 - P. O. Box 2500
Somerville, NJ 08876

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 09/15/93 in Response to PR Notice 93-7
EPA Reg. No. 8340-42
IGNITE 1SC HERBICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with SoyCandle Ink on paper that
contains at least 50% recycled fiber

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Page 2

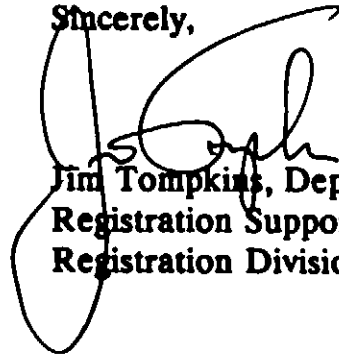
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

Revised: ~~July 26, 1993~~
September 1, 1993

ACCEPTED
with COMMENTS
in EPA Letter Dated

IGNITE[®] 1SC HERBICIDE

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
8340-42

FOR NONSELECTIVE WEED CONTROL OF EMERGED WEEDS
IN NONCROP AREAS

ACTIVE INGREDIENT:

glufosinate-ammonium: ammonium-DL-homoalanin-4-yl-(methyl)
phosphinate..... 11.33%*

INERT INGREDIENTS:..... 88.67%

TOTAL 100.00%

*Equivalent to 1.00 pound active ingredient per U.S. gallon

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

Si Usted no entiende la etiqueta, busque a alguien para que se la explique a
Usted en detalle. (If you do not understand the label, find someone to explain
it to you in detail.)

EPA Reg. No. 8340-42

EPA Est. No.

Net Contents: [Various Sizes]

Hoechst Celanese Corporation
Route 202-206
P.O. Box 2500
Somerville, NJ 08876-1258

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Hoechst 

PRECAUTIONARY STATEMENTS**WARNING****STATEMENT OF PRACTICAL TREATMENT**

- IF SWALLOWED:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting in or give anything by mouth to an unconscious person.
- IF IN EYES:** Flush with plenty of water. Get medical attention if irritation persists.
- IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation occurs.
- IF INHALED:** Remove individual to fresh air. Get medical attention if breathing difficulty develops.

For medical or environmental emergency,
call 1-800-228-5635, Ext. 132.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes substantial but temporary eye injury. Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. ~~Wear goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.~~

Personal Protective Equipment

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

Long-sleeved shirt and long pants; chemical-resistant such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils or viton ≥ 14 mils; shoes plus socks; protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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User Safety Recommendations**Users should:**

- * Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- * Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- * 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.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not clean equipment or dispose of equipment washwaters in a manner that will contaminate water resources or arable land. Glufosinate-ammonium and its degradates have those properties normally associated with pesticides that have been detected in ground water. Use of this product in areas with coarse soils and high water tables may result in ground water contamination.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Do not use or store near heat or open flame.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Empty containers should be triple rinsed (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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IMPORTANT NOTICE: DISCLAIMER

Read "IMPORTANT NOTICE: DISCLAIMER" before buying or using. If terms are not acceptable, return at once unopened.

The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Injury to desirable vegetation, ineffectiveness or other unintended consequences may result because of such factors as timing and method of application, weather, mixture with other chemicals not specifically recommended or other influencing factors in the use of the product, or use of this product in a manner inconsistent with its labeling, all of which are beyond the control of the seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller harmless for any claims relating to such factors.

HOECHST CELANESE CORPORATION warrants only that the product conforms to the chemical description on the label and is reasonably fit for the purpose stated on the label when used in accordance with the directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions or under abnormal conditions, or under conditions not reasonably foreseeable to HOECHST CELANESE CORPORATION and user assumes the risk of any such use. HOECHST CELANESE CORPORATION MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR OF MERCHANTABILITY. In no case shall HOECHST CELANESE CORPORATION be liable for consequential, special, indirect or incidental damages resulting from the use or handling of this product. The foregoing conditions of sale and warranty can be varied only by an agreement in writing signed by a duly authorized representative of HOECHST CELANESE CORPORATION.

GENERAL INFORMATION

Ignite® 1SC Herbicide is a nonselective water-soluble herbicide for application as a foliar spray for the control of a broad spectrum of emerged annual and perennial grass and broadleaf weeds. Ignite 1SC Herbicide will also control certain woody species. Plants that have not yet emerged at the time of application will not be controlled. THOROUGH SPRAY COVERAGE IS IMPORTANT. Visual effects and control from application of Ignite 1SC Herbicide occur within 2-4 days after application under good growing conditions. Ignite 1SC Herbicide is an organic product that decomposes into naturally occurring compounds.

Avoid all contact with foliage or green tissue of desirable vegetation. This product is nonselective and will injure or kill all green vegetation contacted by the spray. If desirable vegetation is contacted, rinse the sprayed area with water immediately.

Ignite 1SC Herbicide works best when weeds are actively growing. Weed control may be reduced when applications are made to weeds under stress due to drought or cool temperatures. Weeds under stress or in dense populations will require application at the highest rate recommended. Refer to the "How to Apply" section of this label.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not use this product until you have read the entire label. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. The application for trimming and edging, recreational and public areas, and farmsteads are not within the scope of the WPS.

WHEN TO APPLY

Ignite 1SC Herbicide is a foliar-active material with no soil-residual activity. Best results are obtained when applications are made to actively growing weeds. Ignite 1SC Herbicide is rainfast 4 hours after application, and rainfall within 4 hours may necessitate retreatment.

Ignite 1SC Herbicide should be applied at the rate recommended in the "How to Apply" section of this labeling. Repeat applications of Ignite 1SC Herbicide or tank mixes of Ignite 1SC Herbicide plus appropriate residual herbicides will be needed to control weeds emerging from underground parts or seeds.

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NONCROP USES

When applied as recommended in this label, Ignite 1SC Herbicide controls annual and perennial weeds. Refer to the "How to Apply" section of this labeling for recommended rates and a list of weeds controlled. Applications may be made on a broadcast, banded or spot treatment basis depending on the situation. Avoid direct spray or drift to desirable vegetation. Regrowth may occur due to the weed stage of growth at application, low use rate or environmental conditions. Repeat treatments may be necessary to control plants generating from underground parts or seed.

HOW TO MIX

Ignite 1SC Herbicide must be mixed with water to make a finished spray solution as follows:

1. Fill the sprayer with the required amount of water.
2. Add the proper amount of this product and mix.

HOW TO APPLY

DO NOT apply this product through any type of irrigation system.

DO NOT apply this product aurally.

Spot or Directed Applications

This product may be used as a spot or directed spray application using 1.5 to 4 fluid ounces per gallon of water. Mix 1.5 - 4 fluid ounces per gallon of water depending upon the weed and stage of growth as shown below. Spray undesirable vegetation foliage on a spray-to-wet basis, prior to runoff. Ensure uniform and complete coverage. Use a coarse spray. Do not spray during windy conditions. Backpack, pump-up, and hydraulic sprayers may be used. Thoroughly clean the sprayer following use.

Broadcast or Boom Applications

Apply 3 to 6 quarts per acre depending upon the weed and stage of growth as shown below. Use a minimum of 20 gallons of water per acre with a minimum of 30 psi spray pressure.

Weeds Controlled by Ignite 1SC Herbicide

For spot application:

Apply 1.5 fluid ounces per gallon of water.

For broadcast application:

Apply 3 quarts per acre when the weeds are less than 6 inches tall.

Apply 5 quarts per acre when the weeds are 6-12 inches tall.

Broadleaf Weeds

chickweed
clover
common cocklebur
filaree
jimsonweed
kochia
leafy spurge
London rocket
malva (little mallow)
maretail
purslane
shepherdspurse
smartweed

Grasses and Sedges

barnyardgrass
cupgrass
fall panicum
giant foxtail
goosegrass
green foxtail
johnsongrass (rhizome)
lovegrass
shattercane
stinkgrass
windgrass
yellow foxtail

Weeds Controlled by Ignite 1SC Herbicide

For spot application:

Apply 3-4 fluid ounces per gallon of water.

For broadcast application:

Apply 4 quarts per acre when the weeds are less than 8 inches tall.

Apply 6 quarts per acre when the weeds are 8-12 inches tall.

Broadleaf Weeds

annual sowthistle
bindweed
buffalobur
burdock
Canada thistle
curly dock
dandelion
dogbane (hemp)
field gromwell
fleabane
goldenrod
horsetail
lambsquarters
musk thistle
nettle
nightshade
pennycress
pigweed, red root
plantain
prickly lettuce
ragweed
Russian thistle
tansy mustard
velvetleaf
vervain
Virginia cooperleaf
white heath aster
wild buckwheat
wild mustard
wild onion
wild rose
wild turnip
woodsorrel
yellow rocket

Grasses and Sedges

annual bluegrass
bahiagrass
barley
Bermudagrass
carpetgrass
crabgrass
dallisgrass
downy brome
fescue
guineagrass
Kentucky bluegrass
nutsedge
paragrass
quackgrass
ryegrass
sandbur
smooth brome
torpedograss
vaseygrass
wheat
wild oat

WHERE TO APPLY**Trimming and Edging**

Ignite 1SC Herbicide may be used for trimming and edging landscape areas such as: around individual trees and shrubs, landscape beds, foundations, fences, driveways, paths, and parking areas; also on golf courses along cart paths, around sign and light posts, and around sand traps. This organic product has no soil-residual activity, which makes it ideal for landscape situations. If spraying in areas adjacent to desirable plants, use a shield made of cardboard, plywood or sheet metal while spraying to help prevent spray from contacting foliage of desirable plants. Refer to the "How to Apply" section of this labeling for appropriate application rates to control specific weeds.

Recreational and Public Areas

When applied as a spot or spray-directed application, this product controls annual and perennial weeds in areas such as: airports, commercial plants, storage and lumber yards, educational facilities, fence lines, ditch banks, parking lots, tank farms, pumping stations, parks, other public areas, and similar nonfood crop areas. Refer to the "How to Apply" section of this labeling for appropriate application rates to control specific weeds. Ignite 1SC Herbicide is a foliar-applied material that has no residual activity in the soil; the active ingredient of Ignite 1SC Herbicide is also produced by soil microorganisms.

Nursery - Field-Grown and Container Stock

Ignite 1SC Herbicide may be applied as a directed spray to control in-row weeds in field-grown woody plants. Refer to the "How to Apply" section of this labeling for appropriate application rates to control specific weeds. Avoid direct spray or drift contact with foliage and green bark. Ignite 1SC Herbicide may be used as a directed spray around established woody ornamentals.

Ignite 1SC Herbicide may be used between and around containers and in site preparation for new planting. Do not apply Ignite 1SC Herbicide as an over-the-top broadcast spray in ornamentals and shade trees.

Farmsteads

When applied as recommended, this product controls undesirable plant vegetation in noncrop areas around farmstead building foundations, shelterbelts, along fences, and general nonselective farmstead weed control. Refer to the "How to Apply" section of this labeling for appropriate application rates to control specific weeds.

TANK MIX RECOMMENDATIONS

When using Ignite 1SC Herbicide in a program approach with other herbicides, follow the label precautions and directions of those herbicides as to the most appropriate rate selection. Compatibility of Ignite 1SC Herbicide and clay-based dry flowable herbicides should be determined before tank mixing. Tank mix applications of Ignite 1SC Herbicide plus soil-residual herbicides such as the following are recommended for broad spectrum contact and soil-residual control. Always follow the use directions in accordance with the respective labels. No label dosage rates should be exceeded.

<u>PRODUCT</u>	<u>RATE OF PRODUCT/ACRE</u>	<u>LB. A.I./ACRE</u>
Atrazine ¹ 4L	1-8 pt.	0.50-4.00
Atrazine ¹ 80WP	0.75-6.25 lb.	0.60-5.00
Atrazine ¹ 90DF	0.55-4.85 lb.	0.50-4.00
Arsenal ² 2AS	2-6 pt.	0.50-1.50
Escort ⁴ 60DF	0.25-2.00 oz.	0.15-1.20
Goal ³ 1.6E	3.10 pt.	0.60-2.00
Hyvar X ⁴ 80WP	4-30 lb.	3.20-24.00
Hyvar X-L ⁴ 4L	12 gal.	48.00
Igran ¹ 4L	3-32 pt.	1.50-16.00
Igran ¹ 80W	1-3 lb.	0.80-2.40
Karmex ⁴ 40WP	2-8 lb.	0.80-3.20
Krenite ⁴ 4S	1.50-6.00 gal.	6.00-24.00
Krenite ⁴ 4L	1.50-6.00 gal.	6.00-24.00
Krovar ⁴ I	2-8 lb.	1.60-6.40
Krovar ⁴ II	2-8 lb.	1.60-6.40
Oust ⁴ 75DG	1-12 oz.	0.75-2.25 oz.
Princep, Caliber 90 ¹	1.10-11.10 lb.	0.90-10.00
Princep ¹ 80W	1.25-12.50 lb.	1.00-10.00
Princep ¹ 4L	4-20 pt.	2.00-10.00
Solicam ⁶ 80WP	2.50-5.00 lb.	2.00-4.00
Surflan ⁵ 4AS	4-8 pt.	2.00-4.00
Surflan ⁵ 75W	2.66-5.33 lb.	2.00-4.00
Telar ⁴ 75DG	0.25-3.00 oz.	0.19-2.25 oz.
Velpar ⁴ 90SP	12-23 lb.	10.80-18.40

Registered trademark of: 1. Ciba-Geigy Corporation; 2. American Cyanamid Corporation; 3. Rohm & Haas Corporation; 4. E.I. duPont de Nemours & Company; 5. DowElanco; 6. Sandoz Ltd.
