



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:
59639-92

Date of Issuance:
DEC 13 1995

NOTICE OF PESTICIDE:
 X Registration
 Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
Stellar Herbicide

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Valent U.S.A. Corporation
1333 N. California Blvd., Ste. 600
Walnut Creek, CA 94596

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) 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. Make the following label changes before you release the product for shipment:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 59639-92".
- b. Delete the phrase "...if irritation persists" from the end of the IF ON SKIN statement in the Statement of Practical Treatment.
- c. Add the statement "Probable mucosal damage may contraindicate the use of gastric lavage" to the NOTE TO PHYSICIAN in the Statement of Practical Treatment.
- d. Add the statements "Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them" to the section regarding personal protective equipment.

Signature of Approving Official:

Date:

DEC 13 1995

- e. If the Precautionary Statements and Statement of Practical Treatment are to appear in locations other than the front panel on the final printed labeling, a referral statement must be added below the front panel signal word to direct users to these statements.
- f. Delete the paragraph regarding combinations with Resource and Cobra Herbicides (bottom paragraph of page 4). This paragraph recommends the application of multiple products with the same active ingredients and is inconsistent with maximum registered application rates for these active ingredients.

3. Submit one copy of the revised final printed label for the record 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 constitutes acceptance of these conditions.

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

Joanne I. Miller
 Product Manager (23)
 Fungicide-Herbicide Branch
 Registration Division (7505C)

Enclosure

DK: 305-7546: FHB/PM2.3		CONCURRENCES						
SYMBOL ▶	7505C							
SURNAME ▶	D. KENNY							
DATE ▶	12/12/95							

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ACCEPTED
with COMMENTS
In EPA Letter Dated
DEC 13 2000

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
59639-92

STELLAR™ Herbicide

Active Ingredients	By Wt.
* Flumiclorac pentyl ester	7.6%
** Lactofen	26.6%
Inert Ingredients	65.8%

Contains petroleum distillates
 Contains 0.7 lb./gal. flumiclorac pentyl ester and 2.4 lb./gal. lactofen
 * pentyl [2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl)phenoxy]acetate
 ** 1-(carboethoxy) ethyl 5-[2-chloro-4-(trifluoromethyl) phenoxy]-2-nitrobenzoate

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

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

NET CONTENTS 1 GALLON

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER: CORROSIVE TO EYES. Causes irreversible eye damage. Harmful if swallowed or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes or on skin or clothing.

This product contains lactofen, which has been determined to cause tumors in laboratory animals (mouse, rat). Risks can be reduced by closely following use directions and precautions, and by wearing the protective clothing specified elsewhere on this label.

STATEMENT OF PRACTICAL TREATMENT

If in eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

If swallowed: Call a doctor or get medical attention. **DO NOT INDUCE VOMITING.** Contains petroleum distillates. Vomiting may induce aspiration pneumonia. Drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

NOTE TO PHYSICIANS: Emergency information - call 1-800-892-0099.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

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

Applicators and other handlers must wear: long sleeved shirt and long pants, chemical-resistant gloves such as barrier laminate or viton \geq 14 mils, shoes plus socks, and protective eyewear.

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.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS	
Users should:	<ul style="list-style-type: none"> ● 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

This product is toxic to shrimp and fish. Keep out of lakes, ponds or streams. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

Do not apply during wind speeds of greater than 10 miles per hour or during inversions. Local regulations permitting, an inversion can be identified by discharging a column of smoke. During an

inversion, the column of smoke will rise and then abruptly level off. Sometimes during an inversion, the smoke can be seen to drop below the height at which the leveling off occurred. In the absence of an inversion the smoke will continue to rise and disperse into the atmosphere.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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 interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow workers entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical-resistant gloves such as barrier laminate or viton \geq 14 mils, shoes plus socks, and protective eyewear.

GENERAL INFORMATION:

FOR USE ON: Soybeans

Do not apply through any type of irrigation system.
Do not apply by air.

STELLAR Herbicide is a selective contact herbicide for postemergence control of susceptible broadleaf weeds in soybeans. Good coverage of young, actively growing weeds is essential for maximum weed control. The use of a spray adjuvant is required. Applying STELLAR Herbicide under conditions which do not promote active weed growth will reduce its effectiveness.

STELLAR Herbicide may be applied in tank mix combination with SELECT® 2 EC herbicide. This tank mix combination should be applied for control of the weeds listed and at the rates recommended in Table 2. Crop oil concentrate must be used as an adjuvant.

When STELLAR Herbicide is used as directed, soybean yield will not be adversely affected.

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Soybean leaves which are open at the time of application may exhibit a temporary foliage burn (bronzing and speckling). Trifoliolate soybean leaves which have emerged but are not open at the time of application may appear cupped at the tip and/or crinkled along the leaf margins. Under conditions favorable to growth, these phytotoxic symptoms are cosmetic, and the soybeans will quickly outgrow these effects.

USE RESTRICTIONS AND LIMITATIONS:

Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.

- Do not apply within 90 days of harvest.
- Do not apply after podset.
- Do not graze animals on green forage or stubble.
- Do not utilize hay or straw for animal feed or bedding.
- Do not apply during periods when soybeans and weeds are under stress conditions such as drought, excessive water, extremes in temperature, or low humidity.
- Do not apply when conditions do not favor active weed growth.
- Do not apply if rain is expected within 1 hour of application or unsatisfactory weed control may result.
- Do not apply more than 5 fl. oz./A of STELLAR Herbicide per application.
- Do not apply more than 10 fl. oz./A of STELLAR Herbicide per season.
- Sequential applications of STELLAR Herbicide should be made at least 10 days apart.

RECOMMENDATIONS FOR CONTROL OF BROADLEAF WEEDS IN SOYBEANS

APPLICATION INFORMATION:

For best results STELLAR Herbicide should be applied to actively growing weeds.

GROUND APPLICATION: Apply on a broadcast basis in 10 to 30 gals. water per acre and at a spray pressure of 30 to 60 PSI measured at the boom. Apply using flat fan or hollow cone nozzles designed to deliver the desired spray pressure and spray volume.

Adjuvant: Always use a crop oil concentrate containing at least 15% emulsifier at 1/2% v/v (but not less than 1 pt./A) in the finished spray volume.

Table 1.
STELLAR Herbicide - Soybeans - Rate and Time of Application Table

Product	Product Rate*	Weeds Controlled	Leaf Stage
STELLAR Herbicide	5 fl. oz./A**	Velvetleaf	up to 6
		Ragweeds	
		Common	up to 6
		Giant	up to 4
		Prickly Sida	up to 3
		Pigweeds	
		Palmer Amaranth	up to 6
		Redroot	up to 6
		Smooth	up to 3
		Nightshade	
		Eastern Black	up to 2
		Hemp Sesbania	up to 2
		Common	
		Lambsquarter	2 to 3
Common Cocklebur	2 to 5		

Always use with crop oil concentrate as indicated above.

** Equivalent to approximately 0.027 lbs/A flumiclorac pentyl ester and 0.1 lbs/A lactofen.

~~STELLAR Herbicide contains the same active ingredients as GOBRA Herbicide and RESOURCE Herbicide. Soybeans treated with 5 fl. oz./A of STELLAR Herbicide may also be treated with up to 12 fl. oz./A of RESOURCE Herbicide and up to 6 fl. oz./A of GOBRA Herbicide. Soybeans treated with 10 fl. oz./A of STELLAR Herbicide may also be treated with up to 8 fl. oz./A of RESOURCE Herbicide.~~

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**TANK MIX APPLICATION
STELLAR HERBICIDE & SELECT 2 EC HERBICIDE
FOR CONTROL OF EMERGED BROADLEAF AND GRASS WEEDS IN SOYBEANS**

APPLICATION INFORMATION:

For best results the STELLAR Herbicide plus SELECT 2 EC Herbicide tank-mix should be applied to actively growing weeds. Do not apply during periods when soybeans and weeds are under stress or when conditions do not favor active weed growth.

GROUND APPLICATION: Use of sufficient spray volume and pressure is essential to ensure complete coverage. Use a minimum of 10 gallons of spray solution per acre. Spray pressure should reflect a minimum of 40 psi and a maximum of 60 psi at the nozzle. Do not use flood nozzles.

MIXING INSTRUCTIONS: The recommended order of mixing is to thoroughly mix STELLAR Herbicide in water, add SELECT 2 EC Herbicide, and then add crop oil concentrate.

Adjuvant: STELLAR Herbicide plus SELECT 2 EC Herbicide tank-mix must be applied with 1 pt./A crop oil concentrate containing at least 15% emulsifier.

Table 2.
STELLAR Herbicide & SELECT 2 EC Herbicide Tank Mix - Soybeans - Rate and Time of Application Table

Product	Product Rate*	Broadleaf Weeds Controlled	Leaf Stage
STELLAR Herbicide	5 fl. oz/A **	Velvetleaf	up to 6
plus	plus	Ragweeds	
		Common	up to 6
		Giant	up to 4
SELECT 2 EC Herbicide	6 to 8 fl. oz/A **	Prickly Sida	up to 3
		Pigweeds	
		Palmer Amaranth	up to 6
		Redroot	up to 6
		Smooth	up to 3
		Nightshade	
		Eastern Black	up to 2
		Hemp Sesbania	up to 2
		Common	
		Lambsquarter	2 to 3
		Common Cocklebur	2 to 5
		Grasses Controlled	Grass Height (inches)
		Wooly Cupgrass	2 to 6
		Witchgrass	2 to 6
		Volunteer Cereals	2 to 6
		Volunteer Corn	4 to 24
		Shattercane	6 to 18
		Seedling Johnsongrass	4 to 10
		Goosegrass (lateral growth)	2 to 6
		Foxtail	
		Giant	2 to 12
		Green	2 to 8
		Yellow	2 to 8
		Field Sandbur	2 to 6
		Fall Panicum	2 to 8
		Crabgrasses (lateral growth)	2 to 6
		Broadleaf Signalgrass	2 to 6
		Barnyardgrass	2 to 3

* Always use with crop oil concentrate as indicated above.

** Equivalent to approximately 0.027 lbs./A flumiclorac pentyl ester, 0.1 lbs./A lactofen and 0.024 to 0.125 lbs./A clethodim.

STORAGE AND DISPOSAL

PROHIBITIONS

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

STORAGE

Store in a cool dry place.

Keep pesticide in original container.

Keep container closed when not in use.

Do not put concentrate or dilute into food or drink containers.

Not for use or storage in or around the home.

For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-892-0099.

PESTICIDE DISPOSAL

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

CONTAINER DISPOSAL

Triple rinse (or equivalent). Do not reuse container. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

IMPORTANT INFORMATION. READ BEFORE USING PRODUCT.

LIMITED WARRANTY: 1. Valent U.S.A. Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for use under average conditions when used strictly in accordance with the directions on the labeling. Valent does not make nor authorizes any agent or representative to make, any other warranty, guarantee, or representation, express or implied, concerning this product. Specifically: **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE.**

2. Critical and unforeseeable factors beyond Valent's control prevent it from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which product is applied, lack of complete control over the handling and application of this product, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit under average conditions for the uses stated on the labeling and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Valent under 1 above) resulting from handling, storage, and use of this product.

3. Precautions stated on the labeling should be followed to avoid hazardous exposure to the product.

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SELECT® - Reg. TM of Valent U.S.A. Corporation for clethodim herbicide.

Manufactured for
Valent U.S.A. Corporation
Walnut Creek, CA 94596-8025
Form R18100A* . * 950209 Made in U.S.A.
EPA Reg. No. 59639-.....
EPA Est.