

PM-23

Reg # 59639-92

19/10

JAN 24 1997

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

Dear Ms. Weibert:

Subject: Revised Labeling - Addition of Inhalation Statements;
 Revised Pre-Harvest Interval and Application Rates;
 Deleted Podset Restriction; Revised Warranty Statement
 Stellar Herbicide
 EPA Registration No. 59639-92
 Your Submissions Dated July 26 and December 19, 1996

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the above mentioned label before releasing the product for shipment.

Sincerely yours,

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

Enclosure

DK: 305-7546: FHR/PM23

		CONCURRENCES						
SYMBOL ▶	7505C							
SURNAME ▶	D. KENNY							
DATE ▶	1/23/97							



ACCEPTED
with COMMENTS
In EPA Letter Dated

JAN 24 1997

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-isindol-2-yl)phenoxy]acetate
 **1-(carboethoxy) ethyl 5-[2-chloro-4-(trifluoromethyl) phenoxy]-2-nitrobenzoate

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

SEE NEXT PAGE FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

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.)

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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. Avoid breathing vapor or spray mist.

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 inhaled: If inhaled, remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Note To Physicians: Probable mucosal damage may contraindicate the use of gastric lavage. May pose an aspiration pneumonia hazard. 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.

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.

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.

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:

- 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.

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**DISCLAIMER: CONDITIONS OF SALE,
LIMITED WARRANTY
AND LIMITATION OF LIABILITY**

IMPORTANT: Read the entire Label including this Disclaimer, Limited Warranty and Limitation of Liability before using this product. If the terms are not acceptable, return the unopened product within 15 days of purchase.

RISKS OF USING THIS PRODUCT

It is impossible to eliminate all risks associated with the use of this product. Such risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, moisture conditions, irrigation practices, presence of other materials, cultural practices or the manner of use or application, all of which are factors beyond the control of Valent. All such risks shall be assumed by the Buyer. Valent shall not be responsible for losses or damages resulting from use of this product in any manner not set forth on the label. User assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

LIMITED WARRANTY

Valent warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label and subject to the Risks of Using This Product described above.

DISCLAIMER OF ALL OTHER WARRANTIES: VALENT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

LIMITATION OF LIABILITY

In no event shall Valent or Seller be liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

NO AMENDMENTS

Valent and Seller offer this product, and Buyer and User accept it, subject to the foregoing Disclaimer, Conditions of Sale, Limited Warranty and Limitation of Liability, which may not be modified by any oral or written agreement.

PROMPT NOTICE OF CLAIM

Valent must have prompt notice as soon as Buyer or User has reason to believe they may have a claim (not to exceed twenty-one days from date of application) so that an immediate inspection of the affected property and growing crops can be made. Unless Buyer and Users shall promptly notify Valent of any claims, they shall be barred from obtaining any remedy.

TANK MIXES

NOTICE: Tank mixing of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.

Read and follow the entire label of each product to be used in the tank mix with this product.

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GENERAL INFORMATION

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

FOR USE ON: Soybeans

STELLAR® Herbicide is a selective contact herbicide for postemergence control of susceptible broadleaf weeds in soybeans. Crop oil concentrate or methylated seed oil must be used as an adjuvant. Follow the rate and time of applications in Table 1. Good coverage of young, actively growing weeds is essential for maximum weed control. Applying STELLAR Herbicide under conditions which do not promote active weed growth will reduce its effectiveness.

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

Soybean leaves which are open at the time of application may exhibit a temporary foliage burn (bronzing and speckling). Trifoliate 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.

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 or methylated seed oil must be used as an adjuvant.

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 60 days of harvest.
- 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 severe 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 7 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 40 to 60 psi measured at the nozzle. A minimum of 15 to 20 gals. of water per acre and a spray pressure of 50 psi measured at the nozzle should be used when 1 or more of the following conditions exist: a) environmental stress factors such as low moisture, temperature extremes (high or low), low humidity, b) weeds are in the upper size range of the recommended leaf stage, c) weed populations are moderate to heavy, d) crop canopy is difficult to penetrate. Apply using flat fan (including split-nozzle systems which spray in opposite directions) or hollow cone nozzles designed to deliver the desired spray pressure and spray volume. Do not use flood nozzles.

Adjuvant: Always use a crop oil concentrate or methylated seed oil containing at least 15% emulsifier at 1/2% v/v (but not less than 1 pt./A) in the finished spray volume. The crop oil concentrate rate may be increased to 1% v/v (but not greater than 1 qt./A) when application is made at relative humidities below 80%. An increase in crop response should be expected with increased rates of crop oil. Addition of a liquid fertilizer (28% or 32% N) or ammonium sulfate to the spray mixture along with either the crop oil concentrate or methylated seed oil may further enhance weed control with STELLAR Herbicide applications. Use 28% or 32% UAN at 2% v/v or ammonium sulfate at 2.5 lbs./A.

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

Product*	Weeds Controlled	Leaf Stage		
		Stellar @ 5 fl. oz/A**	Stellar @ 7 fl. oz/A***	
STELLAR Herbicide	Velvetleaf	up to 6	up to 6	
	Copperleaf	-	up to 4	
	Hophornbean	-	up to 4	
	Virginia	-	up to 4	
	Waterhemp	-	-	
	Common	up to 4	up to 6	
	Tal	up to 4	up to 6	
	Ragweeds	-	-	
	Common	up to 4	up to 4	
	Giant	up to 2	up to 4	
	Pigweeds	-	-	
	Palmer Amaranth	up to 6	up to 6	
	Redroot	up to 6	up to 6	
	Smooth	up to 3	up to 4	
	Nightshade	-	-	
	Eastern Black	up to 3	up to 4	
	Common Cocklebur	up to 2	up to 4	
		Weeds Suppressed	Leaf Stage	
		Common Lambsquarters	up to 2	up to 2
		Prickly Sida	up to 3	up to 3
	Jimsonweed	up to 4	up to 4	
	Annual Morningglories	up to 3	up to 3	
	Copperleaf	-	-	
	Hophornbean	up to 4	-	
	Virginia	up to 4	-	
	Hemp Sesbania	up to 2	up to 2	

* Always use with crop oil concentrate or methylated seed oil as indicated above.

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

*** Equivalent to approximately 0.038 lbs/A flumiclorac pentyl ester and 0.14 lbs./A lactofen.

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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 gals. of spray solution per acre and apply at a spray pressure of 40 to 60 psi measured at the nozzle. A minimum of 15 to 20 gals. of water per acre and a spray pressure of 50 psi measured at the nozzle should be used when 1 or more of the following conditions exist: a) environmental stress factors such as low moisture, temperature extremes (high or low), low humidity, b) weeds are in the upper size range of the recommended leaf stage, c) weed populations are moderate to heavy, d) crop canopy is difficult to penetrate. Apply using flat fan (including split-nozzle systems which spray in opposite directions) or hollow cone nozzles designed to deliver the desired spray pressure and spray volume. 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 tankmix must be applied with 1 pt./A crop oil concentrate or methylated seed oil containing at least 15% emulsifier. Addition of a liquid fertilizer (28% or 32% N) or ammonium sulfate to the spray mixture may further enhance weed control with STELLAR Herbicide + SELECT 2 EC Herbicide applications. Use 28% or 32% UAN at 2% v/v or ammonium sulfate at 2.5 lbs./A.

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

Product*	Weeds Controlled	Leaf Stage	
		Stellar @ 5 fl. oz/A**	Stellar @ 7 fl oz/A***
STELLAR Herbicide plus SELECT 2 EC Herbicide (6 to 8 fl. oz./A)	Velvetleaf	up to 6	up to 6
	Copperleaf	-	up to 4
	Hophornbean	-	up to 4
	Virginia	-	up to 4
	Waterhemp	-	-
	Common	up to 4	up to 6
	Tall	up to 4	up to 6
	Ragweeds	-	-
	Common	up to 4	up to 4
	Giant	up to 2	up to 4
	Pigweeds	-	-
	Palmer Amaranth	up to 6	up to 6
	Redroot	up to 6	up to 6
	Smooth	up to 3	up to 4
	Nightshade	-	-
	Eastern Black	up to 3	up to 4
	Common Cocklebur	up to 2	up to 4
		Weeds Suppressed	Leaf Stage
	Common Lambsquarters	up to 2	up to 2
	Prickly Sida	up to 3	up to 3
	Jimsonweed	up to 4	up to 4
	Annual Morningglories	up to 3	up to 3
	Copperleaf	-	-
	Hophornbean	up to 4	-
	Virginia	up to 4	-
	Hemp Sesbania	up to 2	up to 2
	Grassed 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 8	

* Always use with crop oil concentrate or methylated seed oil as indicated above.
 ** Equivalent to approximately 0.027 lbs./A flumiclorac pentyl ester, 0.1 lbs./A lactofen and 0.094 to 0.125 lbs./A clethodim.
 *** Equivalent to approximately 0.038 lbs./A flumiclorac pentyl ester, 0.14 lbs./A lactofen and 0.094 to 0.125 lbs./A clethodim.

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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.

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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 R18100B0.3970114 Made in U.S.A.

EPA Reg. No. 59639-92

EPA Est. 58996-MO-01