

US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (75-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.  
34704-610

DATE OF ISSUANCE

MAY 2 1989

TERM OF ISSUANCE  
Conditional

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION  
(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

CLAY CROP CURBIT® EC HERBICIDE

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Platte Chem Co  
150 South Main Street  
Frederick, MD 20705

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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 section 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA registration no. 34704-610"
- b. Revise the Statements of Practical Treatment to conform with the following statements:

If Swallowed: Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Get medical attention.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

*Lawrence J. Schaubert*

DATE

MAY 2 1989

It In Eyes: Flush with plenty of water.  
Call a physician.

It On Skin: Wash with plenty of soap and  
water. Get medical attention  
if irritation persists.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

4. Revise the Environmental Hazards statement "Do not contaminate water by cleaning of equipment or disposal of wastes" to read "Do not clean equipment or dispose of equipment washwaters in a manner that will contaminate water resources."

5. Revise the precautionary statement "This formulation is irritating to the eyes and skin" to read "This product is irritating to the eyes and skin."

6. The "Use Precautions" must follow the "Rotational Restrictions". The information found in this section must be given up-front in the Directions For Use section, not at the end of the label.

7. Revise the product chemistry data to reflect the pH of this product.

8. You must submit the results of the ongoing storage stability study at the end of 12 months storage. If this product is not stable during storage as reflected by the data from the study, you must propose labeling restrictions for storage of this product and submit adequate data to identify and quantify the degradation products. Continued registration will require adequate toxicology data on each of the degradates that exceed 0.1 percent of the product after 1 year of storage.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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.

Lawrence J. Schnaubelt <sup>LJS</sup>  
Acting Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

Enclosures

FRONT PANEL

Product



# CURBIT™ EC HERBICIDE

A Selective Herbicide For Preemergence Control Of  
Certain Annual Grasses And Broadleaf Weeds  
In Cucumbers, Melons, And Watermelons.

<b>ACTIVE INGREDIENT:</b>	
ethalfluralin N-ethyl-N-(2-methyl-2-propenyl)-2,6-	
dinitro-4-(trifluoromethyl)benzenamine .....	38.1%
<b>INERT INGREDIENTS</b> .....	61.9%
<b>TOTAL</b> .....	100.0%

Contains 3 pounds active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN  
WARNING**

See Side Panel for Additional Precautionary Statements  
EPA REG. NO. 34704-                      EPA EST. NO. \_\_\_\_\_  
NET CONTENTS 2 1/2 GALLONS

20880

EXP-1P



glue flap

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## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### WARNING

This formulation is irritating to the eyes and skin. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing. Do not contaminate foodstuffs or feed. Harmful if swallowed or absorbed through the skin. Use protective clothing such as coveralls, long sleeved shirt, and impermeable gloves when handling or using this product.

**First Aid:** In case of contact, immediately flush eyes or skin with plenty of water. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to any body of water or wetlands. Do not contaminate water by cleaning of equipment or disposal of wastes. Runoff or erosion from treated areas may be hazardous to fish in neighboring areas.

### 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.

### STORAGE AND DISPOSAL

**STORAGE:** Avoid freezing. Store above 40°F (5°C). If frozen, poor weed control may result. Do not use or store near heat or open flame. Store in original container only. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

**PESTICIDE DISPOSAL:** Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to applicable federal, state or local procedures. Do not contaminate water, food or feed by storage or 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.

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

**Metal Container Disposal:** 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.

**Bulk/Mini-bulk Tank Handling:** Tanks that have been used for phenoxo-type herbicides should not be used for this product. To clean, triple rinse (or equivalent) and wash with appropriate cleaners before reusing.

### GENERAL AGRICULTURAL PRECAUTION

Poor weed control and/or crop injury may result if directions are not followed. Uneven application or over-application can result in erratic weed control or injury to the treated or rotational crops.

Do not graze or forage crop grown in treated soil or cut for hay or silage.

Do not apply CURBIT to soils which are wet, cloddy, or subject to prolonged periods of flooding because poor weed control or crop injury may result.

Do not apply to any area not specified on the label.

### ROTATIONAL RESTRICTIONS

Replanting

If replanting is required, re-plant only crops listed on this or other ethalfluralin labels.

**Sugar Beets or Red Beets**

Do not plant sugar beets or red beets within thirteen (13) months following an application of three (3) pints or more per acre of CURBIT. Where less than three (3) pints of CURBIT have been applied, sugar beets or red beets may be planted eight (8) months after an application of CURBIT. If the CURBIT treated soil is moldboard plowed to a depth of at least twelve (12) inches prior to planting.

**Spinach or Oats**

In California, Arizona, and Texas, do not plant spinach or oats within eight (8) months following an application of three (3) pints per acre or more of CURBIT.

### WEEDS CONTROLLED BY CURBIT SURFACE APPLICATION

CURBIT is a pre-emergence herbicide that controls many annual grasses and broadleaf weeds. CURBIT controls weeds as they germinate. CURBIT will not control established weeds.

CURBIT surface applied after planting will control the following weeds:

<b>Grasses:</b>	
Crabgrass (Large crabgrass) (Smooth crabgrass)	( <i>Vigna</i> spp.)
Goosegrass	( <i>Elymus indica</i> )
Horral millet	( <i>Setaria italica</i> )
Johnsongrass (from seed)	( <i>Sorghum halepense</i> )
Panicum, fall	( <i>Panicum dichotomiflorum</i> )
Panicum, Texas (Buffalograss) (Colorado grass)	( <i>Panicum texanum</i> )
Signalgrass, broadleaf (Brachiaria)	( <i>Brachiaria platyphylla</i> )
<b>Broadleaf Weeds:</b>	
Carpetweed	( <i>Mollugo verticillata</i> )
Lambquarters, common	( <i>Chenopodium album</i> )
Pigweed	( <i>Amaranthus</i> spp.)
Prostrate pigweed	
Redroot pigweed	
(Smooth pigweed)	
(Spiny pigweed)	
Purslane, common	( <i>Portulaca oleracea</i> )
Pursley, Florida	( <i>Richardia scabra</i> )

### MIXING AND APPLICATION DIRECTIONS

Start with a clean spray tank. Fill sprayer one-third (1/3) to one-half (1/2) full with clean water. Start agitation. Add correct quantity of CURBIT, continue agitation and finish filling the tank. Do not mix this product with fertilizer.

Apply CURBIT using any properly calibrated, low pressure herbicide sprayer that will apply the spray uniformly. Do not apply this product through any type of irrigation system.

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**SOIL TEXTURE GUIDE**

The amount of CURBIT applied will vary with the soil texture and organic matter. A fine textured soil will require more CURBIT per acre than a coarse soil. Choose the proper rate based on the following soil texture group and specific crop recommendations. Do not exceed recommended rates.

Soil Texture Group	Soil Classification
Coarse soils: (Light)	Sand, loamy sand, sandy loam
Medium soils	Loam, silty clay loam*, silt loam, silt, sandy clay loam*
Fine soils: (Heavy)	Clay, clay loam, silty clay, silty clay loam, sandy clay, sandy clay loam*



\*Silty clay loam and sandy clay loam soils are transitional soils and may be classified as either medium or fine textured soils. If silty clay loam or sandy clay loam soils are predominately sand or silt, they are usually classified as medium textured soils. If they are predominately clay, they are usually classified as fine textured soils.

**ACTIVATION DIRECTIONS**

**IRRIGATED AGRICULTURE:** Where overhead sprinkler irrigation (solid set, center pivot or continuous flow lateral move) is used, activate CURBIT with a minimum of one-half inch (1/2") of irrigation water within two (2) days after application. For flood or furrow irrigation, refer to Non-Irrigated Agriculture activation directions below. Irrigated fields may be shallowly cultivated without loss of CURBIT activity.

**NON-IRRIGATED AGRICULTURE:** A single, one-half inch (1/2") rainfall within five (5) days of application is necessary to activate CURBIT. If a single one-half inch (1/2") rainfall is not received, a shallow cultivation will activate CURBIT. Rainfall activated CURBIT may be shallowly cultivated without loss of activity.

**NOTE:** Heavy rainfall and/or excessive irrigation soon after application of CURBIT may cause crop injury. This potential injury can be enhanced if seeding depth is too shallow.

**CROP RECOMMENDATIONS**

**CUCUMBERS, MELONS, WATERMELONS—POSTPLANT SURFACE APPLIED PREEMERGENCE WEED CONTROL:** CURBIT should be used only as a postplant surface applied herbicide prior to weed emergence. Apply to seeded crop prior to its emergence, or apply as a banded spray between rows after crop emergence or transplanting. Refer to the section titled "ACTIVATION DIRECTIONS."

For broadcast application on direct-seeded crop, apply CURBIT to the soil surface at seeding, or no later than two days after seeding. DO NOT SOIL INCORPORATE CURBIT PRIOR TO PLANTING AS CROP LOSS WILL OCCUR.

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**SOIL PREPARATION**

A firm seedbed that is trash and clod free is desirable for a surface application of CURBIT. Crop residues, existing weeds and cloddy conditions may interfere with the performance of CURBIT. Bedded culture is preferable to flat culture because of better drainage. Do not plant in a furrow.

**RATES**

These recommendations are given as the broadcast rates of CURBIT per acre. Where a rate range is shown, use the lower rate for coarser textured soils or soils with lower organic matter. Use the higher rate, where a rate range is shown, on soils containing more than five percent (5%) organic matter. Where soil texture is variable within the same field, let the finest soil texture which predominates in that field determine the use rate (see SOIL TEXTURE GUIDE). CURBIT is not recommended for use on soils containing more than 10% organic matter.

Broadcast the following rates in at least 20 gallons of water per acre by ground equipment only.

Soil Texture*	CURBIT Broadcast Rates per Acre (pints)
Coarse	3
Medium	3-4
Fine	4-4½

\*Weed control may be reduced on soils with organic matter over 5%.

**BAND TREATMENT.** CURBIT may also be used as a banded spray between rows of direct seeded or transplanted cucumbers, melons or watermelons grown on plastic mulch. Reduce rate and spray volume in proportion to area actually sprayed using the following formula:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Broadcast RATE per acre} = \text{Band RATE per acre}$$

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Broadcast VOLUME per acre} = \text{Band VOLUME per acre}$$

Do not spray over plastic mulch.

**USE PRECAUTIONS**

Do not incorporate CURBIT prior to planting as crop loss will occur. Do not use CURBIT under or over row covers, hot caps, plastic mulches, or other plant covers as severe crop injury will occur. Do not make broadcast application to transplants. Do not plant in a furrow.

Under cool temperature conditions that can delay early seeding emergence or growth, CURBIT can cause plant injury or crop failure. Be especially cautious during first planting of season when this condition is likely to occur.

**RESTRICTIONS FOR CERTAIN STATES**

**CALIFORNIA:** In coarser soils, activation of CURBIT may occur with as little as 1/8" of rainfall or irrigation. As a guideline, 1/4" is suggested in such areas

instead of the 1/2" normally recommended on this label.

**NEW JERSEY:** Do not use this product in New Jersey.

**CURBIT PERFORMANCE GUARANTEE  
A LIMITED WARRANTY OF CURBIT WEED  
AND GRASS CONTROL**

Platte Chemical Company warrants that CURBIT will provide commercially acceptable control of the weeds and grasses as indicated on its current label when used according to label directions and subject to the following limitations:

1. Purchaser must notify Platte promptly if a lack of commercially acceptable control occurs. Notice must be given within forty-five (45) days after the first planting or after application of CURBIT to the treated crop, whichever occurs later.
2. A Platte representative must be satisfied that Purchaser used CURBIT according to the label directions and must visually observe unsatisfactory control of weeds in the field.
3. The Purchaser must provide a Platte representative with an invoice or other satisfactory record which shows the price and quantity of CURBIT purchased.
4. Platte's liability will be limited to a refund of the purchase price of the CURBIT applied to the acreage on which commercially acceptable control was not obtained.
5. Void outside the U.S.A.

**DISCLAIMER OF WARRANTIES**

The warranty printed above is the only warranty applicable to this product. All other warranties, express or implied, including but not limited to, any implied warranties of merchantability and fitness for a particular purpose, are disclaimed.

The manufacturer makes no warranties, express or implied, concerning this product or its use, which extend beyond the description on the label or in literature published by Platte, and all statements made concerning this product apply only when used as directed. Platte expressly disclaims all warranties, express or implied, in relation to any use of the product in combination or sequential use with any other product not specifically recommended in writing by Platte. If used in a combination or sequential use recommended by Platte, the liability of Platte shall in no manner extend to any damage loss or injury not directly caused by the inclusion of the Platte product in such combination or sequential use.

**LIMITATION OF DAMAGES**

Platte's liability, whether in contract, warranty, tort, negligence, strict liability or otherwise shall not exceed the return of the amount of the purchase price of the CURBIT and under no circumstances shall Platte be liable for special, indirect or consequential damages.

**INHERENT RISKS OF USE**

Failure to carefully follow the directions for use of CURBIT, as well as other factors such as seedling disease, cold weather, deep planting, excessive moisture, high salt concentration, sodic soils or drought may result in unsatisfactory weed control or crop injury. Reduced yields or crop loss may result under these conditions.

FORMULATED FOR

**PLATTE CHEMICAL COMPANY, INC.**  
150 SO. MAIN STREET      FREMONT, NEBRASKA 68025