

34704-817

11-14-2000

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

EPA Reg. Number:  
34704-817

Date of Issuance:  
NOV 14 2000

NOTICE OF PESTICIDE:  
 X  Registration  
    Reregistration

Term of Issuance:  
Conditional

Name of Pesticide Product:  
TOP GUN

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Platte Chemical Company  
P.O. Box 667  
Greely, CO 80632

**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, in his/her discretion, 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/cite all data required for the registration/registration of your product when the Agency requires all registrants of similar products to submit data.
2. The sale or distribution of your product bearing labeling for this use of 2,4-D on reduced or no-tillage soybeans (pre-plant only) after December 31, 2001 is illegal. The tolerance authorizing residues of 2,4-D resulting from the application of your product will also expire on December 31, 2001.
3. Make the following label changes:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 34704-817".
  - b. There are typographical errors on your product labeling. Please revise the following:
    - Under the heading entitled "STATEMENT OF PRACTICAL TREATMENT" within oral first aid statement, revise "Do not induce vomiting" to read as "Do not induce vomiting or give anything by mouth to an unconscious person."

Signature of Approving Official:

Date:  
NOV 14 2000

- Under the subheading entitled **"INSTRUCTIONS FOR USE OF WATER SOLUBLE BAGS"** within the first sentence of the first paragraph, revise "oft his" to read as "of this".
- Under the subheading entitled **"Restrictions and Precautions"** within the first sentence of the paragraph, revise "us" to read as "use".

4. Submit (2) two copies of the revised final printed label for the record.

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

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.

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

Enclosures

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# TOP GUN<sup>®</sup>

## DRY SOLUBLE HERBICIDE

**Water Soluble Broadleaf Herbicide Crystals  
for Use on Field Corn and Soybeans**

**ACTIVE INGREDIENT:**

Dimethylamine salt of	
2,4-Dichlorophenoxyacetic acid .....	71.2%
4-amino-6-(1,1-dimethyl)-3-(methylthio)	
-1,2,4-triazin-5(4H)-one .....	18.8%
<b>INERT INGREDIENTS:</b> .....	<b>10.0%</b>
<b>TOTAL</b>	<b>100.0%</b>

Contains 59.85% 2,4-Dichlorophenoxyacetic acid equivalent by weight.

**KEEP OUT OF REACH OF CHILDREN  
DANGER—PELIGRO**

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

EPA REG. NO. 34704-(not assigned)  
EPA EST. NO. 32761-MO-3  
NET CONTENTS 7X4 LBS. (1.81 KG)  
WATER SOLUBLE BAGS

See Below for Additional Precautionary Statements

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER—PELIGRO**

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**Personal Protective Equipment:**

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber or viton, 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. After each day of use, clothing or PPE must not be reused until it has been cleaned.

**Engineering controls statements:**

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets with 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.

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated**

NOV 14 2000

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

34704-817

**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.

**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. 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:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.  
**Note to Physicians:** If in eyes, specialized ophthalmologic attention may be necessary. If swallowed, probable mucosa damage may contraindicate gastric lavage. There is no specific antidote; treat symptomatically. FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-228-5635, EXT. 136, OR CALL COLLECT, 612-451-8186, EXT. 136.

**ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. For terrestrial uses, 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 washwaters. Do not apply where runoff is likely to occur. Do not contaminate water used for irrigation or domestic purposes. Excessive amount of 2,4-D in the soil may temporarily inhibit seed germination or plant growth.

**Groundwater Contamination:**

Metribuzin is a chemical which can travel (seep or leach) through soil and can contaminate ground water which may be used for drinking water. Metribuzin has been found in ground water as a result of agricultural use. Users are advised not to apply metribuzin where the water table (ground water) is close to the surface, and where the soils are permeable, i.e., well-drained soils such as loamy sands. Your local agricultural agencies can provide further information on the type soil in your area. Most cases of groundwater contamination involving phenox herbicides such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

**DIRECTIONS FOR USE**

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

**READ AND FOLLOW ALL DIRECTIONS AND USE PRECAUTIONS ON THIS LABEL PRIOR TO APPLICATIONS.**

Do not apply this product through any type of irrigation system. 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.

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**TOP GUN®  
EPA REG. NO. 34704-**

**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 worker entry into treated areas during the restricted entry interval (REI) of 48 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, nitrile rubber, neoprene rubber or viton, shoes plus socks and protective eyewear.

**STORAGE AND DISPOSAL**

**PROHIBITIONS:** Do not contaminate water, food or feed by storage or disposal. Do not store under conditions, which might adversely affect the container or its ability to function properly. Such conditions include, but are not limited to positioning of the container in storage, storage temperature, potential for crushing or damage due to stacking, and penetration of moisture.

**STORAGE:** Store in a safe manner. Store in original container only. Store in cool, dry place. Reduce stacking height where local conditions, such as humidity or pallet overhang can affect package strength.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide and Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL: Paper Bag:** Completely empty bag into the application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State/local authorities, by burning. If burned, stay out of smoke.

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

**GENERAL DIRECTIONS AND PRECAUTIONS**

This product contains a combination of a water-soluble crystalline 2,4-D phenoxy herbicide and metribuzin useful in controlling susceptible broadleaf and grassy weeds.

**DO NOT APPLY THIS HERBICIDE TO OR PERMIT IT TO COME IN CONTACT WITH 2,4-D OR METRIBUZIN SUSCEPTIBLE CROPS AND OTHER DESIRABLE BROADLEAF PLANTS.** This herbicide is injurious to most broadleaf plants.

**DO NOT APPLY WHEN AN AIR TEMPERATURE INVERSION EXISTS. SUCH CONDITIONS CAN EXIST WHEN AIR TEMPERATURES ARE LOWER NEAR THE SURFACE THAN AT HIGHER ALTITUDES**

Many states have laws regarding application of phenoxy herbicides. Because this product contains a 2,4-D phenoxy herbicide, it is subject to local application laws and governmental requirements or restriction. Consult local regulatory agencies concerning requirements before making application. Consult your Agricultural Extension Specialist for advice in selecting treatments, which best fit local conditions. Apply this product only as specified on this label.

The degree of control is dependent upon species, stage of growth and overall growing conditions. Best results are obtained when weeds are young and actively growing. Savage may be applied to control the following listed weeds.

**Annual and Biennial Weeds**

- Beggarticks\*
- Bitterweed
- Bull Thistle
- Bristly Starbur
- Carpetweed
- Common burdock
- Common cocklebur
- Coffeeweed
- Common evening primrose
- Common lambsquarters
- Hairy galinsoga
- Jimsonweed
- Knottedweed\*
- Kochia\*
- Lambsquarters
- Mallow\*
- Merahelder
- Morningglory (common, ivy, wooly)
- Musk thistle\*
- Mustards
- Pepper weeds

**Annual Grasses**

- Bluegrass
- Broadleaf Signalgrass
- Browtop Millet
- Crabgrass
- Crowfootgrass
- Goosegrass
- Johnsongrass, Seeding
- Jungle rice

**Perennial Weeds**

- Artichoke
- Burdock\* (hedge, field, European)
- Blue Lattice
- Canada thistle\*
- Catnip
- Chicory
- Dandelion
- Docks\*
- Dogbanes\*
- Goldenrood\*
- Ground ivy\*

**Annual and Biennial Weeds cont'd**

- Pigweeds\*\*
- Prickly lettuce
- Purslane
- Ragweed (common or giant)
- Rough fleabane
- Russian thistle\*
- Salsify (western or common)
- Shepherdspuree
- Smartweeds\* (annual species)
- Southwesties (annual or spiny)
- Sunflower
- Velvetleaf
- Vervains\*
- Vetches
- Wild carrot
- Wild lettuce
- Wild parsnip

**Perennial Weeds cont'd**

- Healall
- Hairy cross\*
- Ironweed\*
- Jerusalem-artichoke
- Many flowered aster
- Nettle\*\*
- Orange hawkweed\*
- Plantains
- Sowthistle (perennial)
- Vervains\*
- Wild garlic\*
- Wild onion\*

\*These species may require repeated applications or use of the higher rate recommended on this product label.

\*\*Control of these species in areas which are locally resistant, may not be satisfactory with this product.

**APPLICATION PROCEDURES**

Use calibrated spray equipment for all types of applications, to assure applying the recommended amount of Top Gun spray mixture per acre. To mix product, add one-half the water to the mixing tank, then add product with agitation and then add the rest of water with continuing agitation. Use sufficient spray volume within the ranges specified to obtain good coverage of weeds.

**GROUND APPLICATION**

Ground equipment usually will result in less drift, but drift still may occur. When ground application is used, drift can be lessened by spraying only when wind velocity is low. Apply a minimum of 5 gallons, or more, of spray per acre using coarse sprays and keeping the spray boom low. Do not apply with nozzles that produce a fine droplet spray.

**GROUND BAND SPRAY**

Determine band equivalent to broadcast rates and volumes by the following formulas:

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

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

**AERIAL APPLICATION**

Except as otherwise specified on this label, apply Top Gun in 2 or more gallons of water per acre. Avoid using nozzles, which produce fine droplets. Spray only when wind velocity is low, and spray as close to the target area as possible.

**CHEMIGATION**

Do not apply this product through any type of irrigation system.

**PLANTING INTREATED AREAS**

**Labeled Crops:** Crops listed as use sites on this or other registered 2,4-D and metribuzin labels may be planted within 28 days of Top Gun application. Follow more specific limitations (if listed) provided in the directions for individual crops. Labeled crops may be at risk for crop injury or loss when planted soon after application, especially in the first 14 days. Degradation factors described below should be considered in weighing this risk.

**Other Crops:** All other crops may be planted 30 or more days following an application without concern for illegal residues in the planted crop. However, under certain conditions, there may be a risk of injury to susceptible crops. Degradation factors described below should be considered in weighing this risk. Under normal conditions, any crop may be planted without risk of injury if at least 90 days of soil temperatures above freezing have elapsed since application.

**Degradation factors:** When planting into treated areas, the risk of crop injury is less if lower rates of product were applied and conditions following application have included warm, moist soil conditions that favor rapid degradation of 2,4-D and metribuzin. Risk is greater if higher rates of product were applied and soil temperatures have been cold and/or soils have been excessively wet or dry in the days following application. Consult your local Agricultural Extension Service for information about susceptible crops and typical soil conditions in your area.

**INSTRUCTIONS FOR USE OF WATER SOLUBLE BAGS**

**General Information:** The inner bag of this product is water soluble and dissolves in the mixing tank. Determine the number of water soluble bags to use for your application by consulting the directions for that use site and the information below.

**Handling and Storage Precautions for Water Soluble Bags:** Do not allow bags to become wet prior to adding to mixing tank. Do not handle bags with wet gloves. Excessive handling may cause breakage. Water soluble bags are brittle when stored below 32 degrees F. To avoid breakage, handle carefully when frozen or allow to warm before handling. Store in a cool dry place. Avoid prolonged storage above 115 degrees F.

**Mixing Instructions:** Fill tank with approximately 1/3 to 2/3 of the total amount of water needed. Drop the required number of bags into tank with agitation running. Depending on the water temperature and degree of agitation, bags should dissolve in about 5 minutes. Bags dissolve more slowly in cold water and with less active agitation. Complete filling the tank while bags dissolve, and make sure that bags are completely dissolved before spraying.

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**TOP GUN®  
EPA REG. NO. 34704-**

SOLD, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. BUYER'S OR USER'S EXCLUSIVE REMEDY, AND PLATTE'S, THE MANUFACTURER'S OR SELLER'S TOTAL LIABILITY, SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

Determining number of bags to use: Consult the directions for the use site to be treated and determine the correct application rate. Using the rate per acre and the number of acres you intend to spray, consult the Conversion Table to determine the number of water soluble bags. Use the closest number of bags without exceeding the correct use rate. Do not split or partially use bags.

CONVERSION TABLE			
RATE PER ACRE		ACRES PER WATER SOLUBLE BAG	
Ounces	Pounds	1 Pound Size	4 Pound Size
8	½	2	8
10	⅝	1.6	6.4
12	¾	1.33	5.33
16	1	1	4

Number of Bags to Use =  $\frac{\text{Number of Acres to Be treated}}{\text{Acres Per Water Soluble Bag for Your Rate and Bag Size}}$

**FIELD CORN**

**Preplant:** (Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, Ohio, South Dakota, and Wisconsin) For control of emerged broadleaf weed seedlings or existing cover crops prior to planting corn, apply ½ to 1 lb. Top Gun per acre, 7 to 14 days before planting. Do not use on light, sandy soil, or where soil moisture is inadequate for normal weed growth. Use the higher rate to control certain problematic weeds or cover crops such as alfalfa.

**Post-emergence:** Apply ¼ to ½ lbs. per acre when weeds are small and corn is less than 8 inches tall (to top of canopy). When corn is over 8 inches tall, apply ½ to ¾ lb. per acre using drop nozzles and keeping spray off foliage. Do not apply from 7 to 10 days before tasseling to dough stage. Injury to corn is most likely to occur if applied when corn is growing very rapidly under high temperature and high soil moisture conditions. In such situations, use the low rate of ¼ lb. per acre. After application, delay cultivation for 8 to 10 days to allow the corn to overcome any temporary brittleness. Do not apply with liquid fertilizer or oil. Many types of adjuvants will increase risk of crop injury. Where an adjuvant is required, use the lowest recommended concentration of nonionic surfactant (often 0.25% vol./vol. or less) to minimize such risk. Treated crop may be brittle and subject to breaking by wind and/or cultivation, especially in the 2 weeks following Top Gun application.

**Restrictions and Precautions:**

Do not use on sandy, loamy sand, or sandy loam soils that have less than 0.5% organic matter.

Field corn treated with Top Gun may be grazed or harvested for silage or grain 60 days after treatment.

**SOYBEANS-PREPLANT ONLY- FOR USE IN CROP RESIDUE MANAGEMENT SYSTEM**

Apply ¾ to 1 lb. Top Gun per acre. Use the lower rate not less than 15 days prior to planting soybeans, when weeds are small and actively growing. Use the higher rate not less than 30 days prior to planting soybeans, when perennials are present. Do not apply more than 1 lb. Top Gun per acre in one season prior to planting soybeans. After applying, plant soybean seed as deep as practical or at least 1½ to 2 inches deep. Adjust the planter press wheel, if necessary, to ensure that planted seed is completely covered.

**Aerial Application:** When applying aerially, use 2 or more gallons of total spray volume per acre.

**Ground Application:** With ground equipment, use 10 or more gallons of total spray volume per acre.

This product may be applied preplant to soybeans in tank mixture with other herbicides that are registered for preplant soybean use.

**Restrictions and precautions:** Unacceptable injury to soybeans planted in fields previously treated with his product may occur. The extent of the injury will depend on weather and agronomic factors, such as the amount of weed vegetation and previous crop residue present that may be in effect between the time of the applications and the emergence of the soybean plant.

Do not make more than one application per growing season regardless of the application rate used.

Do not feed hay, forage or fodder. Restrict livestock from grazing treated fields.

Restrict livestock from feeding/grazing of treated cover crops.

**NOTICE**

IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF PLATTE, THE MANUFACTURER OR SELLER. IN NO CASE SHALL PLATTE, THE MANUFACTURER OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

EXCEPT AS EXPRESSLY PROVIDED HEREIN, PLATTE, THE MANUFACTURER OR SELLER MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT

FORMULATED FOR  
**PLATTE CHEMICAL CO.**  
419 18TH STREET, GREELEY, COLORADO 80631-5852