

**RESTRICTED USE PESTICIDE** For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certificate.

# TOPGUN HERBICIDE

## KEEP OUT OF REACH OF CHILDREN

**DANGER**  
 **POISON**

**DO NOT REMOVE CONTENTS EXCEPT FOR IMMEDIATE USE.  
NEVER PUT INTO FOOD, DRINK OR OTHER CONTAINERS.  
READ DANGER STATEMENTS AND WORKER SAFETY RULES ON  
BACK PANEL.**

**DO NOT USE OR STORE IN OR AROUND THE HOME.  
ONE SWALLOW CAN KILL!  
SYMPTOMS ARE PROLONGED AND PAINFUL. ONSET OF  
SYMPTOMS MAY BE DELAYED FOR UP TO 3 DAYS AFTER  
SWALLOWING.**

**PELIGRO**  
**PRECAUCION AL USUARIO:**  
Si usted no lee ingles no use este producto hasta que la  
etiqueta le haya sido explicada ampliamente

Active Ingredient:	By wt
Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)	11.96 %
Simazine:	34.67
2-chloro-4,6-bis (ethylamino)-s-triazine	53.37
<b>INERT INGREDIENTS:</b>	<b>53.37</b>
<b>TOTAL:</b>	<b>100.00 %</b>

**ACCEPTED**

**JUN 17 1987**

*Under the Federal Insecticide, Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under  
EPA Reg. No. 10182-118*



**DANGER** Corrosive, causes eye and skin damage.  
 Can Kill If Swallowed. May Be Harmful or Fatal If Absorbed  
 Through Skin or Inhaled.

Call ICI Americas Medical Emergency Information  
 Center 800/327-8633 (Dial 1-800-F-A-S-T-M-E-D).

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** IMMEDIATELY induce vomiting by inserting finger in throat. Administer fluids and induce further vomiting. Get to a hospital or physician fast. PROMPT TREATMENT IS ESSENTIAL and must be initiated before signs and symptoms of injury appear. *Note to Physicians:* at any hour to obtain toxicology and medical management consultation, a supply of bentonite clay and paraquat analysis. Symptoms following ingestion may be delayed up to 3 days. To be effective, treatment for paraquat poisoning must begin IMMEDIATELY. Treatment consists of binding paraquat in the gut with suspensions of bentonite clay or charcoal and removal of paraquat from the blood via prolonged charcoal hemoperfusion or continuous hemodialysis.

**SKIN CONTACT:** IMMEDIATELY wash with soap and water. Remove and wash all contaminated clothing with soap and hot water before reuse. Prolonged contact will cause severe irritation. Contact with irritated skin or a cut, or repeated contact with intact skin may result in poisoning.

**EYE CONTACT:** IMMEDIATELY wash eyes with water for at least 15 minutes and get medical attention. Contact may cause eye injury.

**INHALATION:** IMMEDIATELY get away from spray mist. Exposure may cause irritation, nose bleeds and may lead to poisoning. Stop and check spray procedure. Follow Worker Safety Rules below.

**DIRECTIONS FOR USE**

It is a violation of Federal law and may endanger the applicator or third parties to use this product without complying with all label directions and warnings. **READ ENTIRE LABEL USE STRICTLY IN ACCORDANCE WITH DANGER STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

**NOTE:** Do Not Use Around Home Gardens, Schools, Recreational Parks, or Playgrounds.  
 Refer to Supplemental Pamphlet for Use Directions.

**WORKER SAFETY RULES/REENTRY STATEMENTS**

DO NOT get on skin, eyes or clothing.  
 DO NOT inhale spray mist.  
 WASH SPLASHES from skin and eyes immediately.  
 REMOVE and wash contaminated clothing.  
 WASH before eating, smoking and drinking.  
 WEAR full face shield, rubber gloves and apron and waterproof footwear when pouring concentrate or when exposure to concentrate is possible.  
 WEAR waterproof footwear and protective clothing when spraying outside of an enclosed cab or aircraft or when contacting vegetation wet with spray.  
 DO NOT enter treated areas without protective clothing until sprays have dried.  
 AVOID working in spray mist. If there is risk of exposure wear goggles and approved face mask capable of filtering spray droplets.  
 KEEP all unprotected persons out of operating areas or vicinity where there may be danger of drift. Certain states may require more restrictive reentry intervals, consult your State Department of Agriculture for further information.  
 Written or oral warnings regarding use of protective clothing and accidental exposure must be given to workers who are expected to be in treated areas or in areas about to be treated.  
**IMPORTANT:** The effect of swallowing Paraquat is far more severe than that which usually results from skin contact or inhalation of spray mist. No opportunity for mist or product to cause serious injury or death should arise when used in strict compliance with these rules but the opportunity may arise in case of gross violations so strictly follow all these rules on all your life depends on it.

**ENVIRONMENTAL SAFETY CAUTIONS**

**WILDLIFE:** This product is toxic to wildlife. Birds and other wildlife apply directly to water.

**DRIFT:** TOPGUN is a contact herbicide that kills all plant conditions involving possible drift to food, forage, or other plantings that are intended until for sale, use, or consumption. Do not apply when weather treated. For aerial applicators use, do not apply during periods of the day when wind is likely to carry spray to other plantings.

**CHEMICAL HAZARD:** This product reacts with aluminum to form a highly combustible gas mixture. Such gas could flash or explode if ignited by open flame, spark, welder's torch, lighted cigarette, or other heat source. Containers, spray tanks, hose tanks or such systems made of aluminum should be flushed with water to spray concentrations. Spray systems made of, or used but should not be used for extended (overnight) storage.

**EQUIPMENT/CONTAINERS:** Flush all spray equipment after use. This product is corrosive to aluminum. Aluminum spray equipment that are exposed to spray solution or spray drift should be flushed after use.

**STORAGE AND DISPOSAL**

**PROHIBITIONS:** Do not contaminate water, food or feed. Do not use on equipment. Open dumping is prohibited.

**STORAGE:** Store at temperatures above 32°F. Do not contaminate water, food, or feed. Do not store next to feed or food, or transport in or on vehicles containing food, feed, or other material. In case of spill, leak, fire or exposure involving this material, call CHEMTREC.

**PESTICIDE DISPOSAL:** This product is acutely hazardous. Pesticide spray mixture or rinseate is a violation of Federal law. If these conditions exist, contact your State Pesticide or Environmental Hazardous Waste representative at the nearest EPA Regional Office.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Do not reuse. Puncture and dispose of in a sanitary landfill, or dispose of by other approved methods.

**CONDITIONS OF SALE:** ICI Americas Inc. (ICIA) warrants that this material on the label and is reasonably fit for use as directed hereon. ICIA neither represents nor warrants, express or implied, concerning this material. Critical and unforeseeable factors beyond ICIA's control prevent it from the use of chemicals. Such risks include, but are not limited to, damage to property, loss of complete control, and damage caused by drift to other plantings. The product is reasonably fit for the uses stated hereon and even though the user acknowledges and assumes all risks and liability (except those assumed by ICIA) in handling, storage and use of this material.



**BEST AVAILABLE COPY**

TOPGUN HERBICIDE

**Supplemental Pamphlet**

**DIRECTIONS FOR USE  
READ WORKER SAFETY RULES**

## DANGER



## POISON

**ONE SWALLOW CAN KILL.**

**SYMPTOMS ARE PROLONGED AND PAINFUL.  
ONSET OF SYMPTOMS MAY BE DELAYED  
FOR UP TO 3 DAYS AFTER SWALLOWING.**  
*Corrosive, causes eye and skin damage.  
May Be Harmful or Fatal  
if Absorbed Through Skin or Inhaled.*

### PELIGRO — PRECAUCION AL USUARIO:

*Si usted no lee Ingles, no use este producto hasta que la etiqueta le haya sido explicado ampliamente.*

### STATEMENT OF PRACTICAL TREATMENT

#### IF SWALLOWED

**IMMEDIATELY** induce vomiting by inserting finger in throat. Administer fluids and induce further vomiting. Get to a hospital or physician fast. **PROMPT TREATMENT IS ESSENTIAL** and must be initiated before signs and symptoms of injury appear. **Note to Physicians: Call ICI Americas Medical Emergency Information Center 800/327-8633 (Dial 1-800-F-A-S-T-M-E-D),** at any hour to obtain toxicology and medical management consultation, a supply of bentonite clay, and paraquat analysis. Symptoms following ingestion may be delayed up to 3 days. To be effective, treatment for paraquat poisoning must begin **IMMEDIATELY.** Treatment consists of binding paraquat in the gut with suspensions of bentonite clay or charcoal and removal of paraquat from the blood by prolonged charcoal hemoperfusion or continuous hemo-dialysis.

#### SKIN CONTACT

**IMMEDIATELY** wash with soap and water. Remove and wash all contaminated clothing with soap and hot water before reuse. Prolonged contact will cause severe irritation. Contact with irritated skin, or a cut, or repeated contact with intact skin may result in poisoning.

#### EYE CONTACT

**IMMEDIATELY** wash eyes with water for at least 15 minutes. Get medical attention. Contact may cause eye irritation.

#### INHALATION

**IMMEDIATELY** get away from spray mist. Exit immediately to fresh air. If irritation, nose bleeds and may lead to poisoning. Follow spray procedure. Follow Worker Safety Rules.

**WASH AND DESTROY CONTAINER AND CONTENTS.  
NEVER REUSE.**

**TO PREVENT ACCIDENTS  
NEVER PUT INTO FOOD  
OR OTHER CONTAINERS**

**DO NOT USE OR STORE IN OR AROUND**

**DO NOT POUR FROM ORIGINAL CONTAINER  
EXCEPT FOR IMMEDIATE USE**

**KEEP OUT OF REACH OF CHILDREN**

#### Active Ingredient:

Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridium dichloride)

Simazine:

2-chloro-4,6-bis (ethylamino)-s-triazine

#### INERT INGREDIENTS:

TOTAL

warnings.  
READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH DANGER STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.  
READ DANGER AND FIRST-AID TREATMENT ON INSIDE FRONT COVER AND WORKER SAFETY RULES.

NOTE: Do Not Use Around Home Gardens, Schools, Recreational Parks, or Playgrounds.

Always use a nonionic spreader surfactant approved for use with food crops and which contain at least 75% surface active ingredients.

Do not use dirty or muddy water for TOPGUN dilution because TOPGUN will be inactivated.

Do not combine TOPGUN herbicide with liquid fertilizer solutions except as specified below.

TOPGUN herbicide and TOPGUN tank mixes may be applied in liquid nitrogen and/or complete liquid fertilizer solutions (follow label recommendations for crop involved) when 20 to 60 gals. of dilute solution are applied per acre in combination with 1 to 2 pts. of Spreader (nonionic) per 100 gals. Equipment must be adjusted and calibrated to obtain thorough coverage of undesirable vegetation. Inadequate coverage and/or the absence of Spreader (nonionic) will result in a severe reduction of TOPGUN activity. Phosphate containing liquid fertilizer solutions will reduce the activity of TOPGUN. When liquid fertilizer solutions containing phosphorus are used with TOPGUN and a more rapid kill is desired, use the high TOPGUN label rate.

DO NOT combine with suspension-type liquid fertilizers because the activity of TOPGUN will be reduced.

#### PREPLANT OR PREEMERGENCE USES

PREPLANT OR PREEMERGENCE USE - For Kill or Emerged Annual Broadleaf Weeds and Grasses and for Top Kill and Suppression of Perennials - Apply when the weeds and grasses are succulent and growth is from 1" to 6" high (larger plants are less affected by this treatment). Note: To prevent injury to germinating crop seedlings, do not apply preplant or preemergence to soils lacking clay minerals, i.e., peat, muck, pure sand, artificial planting media.

## CONSERVATION TILLAGE USES

CORN: TOPGUN USED ALONE

For control of existing vegetation and residual control of annual broadleaf weeds and grasses, broadcast the recommended rate of TOPGUN from the table below in 20 to 60 gallons of water or liquid fertilizer. Always add a nonionic surfactant at the rate of 16 fl. oz. per 100 gals of diluted spray.

## BROADCAST RATE PFR ACRE

SOIL TEXTURE

RATE PER ACRE

Coarse

Sand, silt and loam that is low in organic matter

5 pints

Medium

Soil containing moderate amounts of clay and organic matter

6 pints

Fine

Loam that is high in organic matter and clay (including dark prairie soils of the Corn Belt)

7½ pints

Organic

Peat muck and high-organic clay

DO NOT USE

Tank Mix With COLONEL. This tank mixture should be used for control of emerged annual grass and broadleaf weeds and suppression of emerged perennial weeds and for residual control of many annual weeds, including carpetweed, crabgrass, fall panicum, foxtail, lambsquarters, morningglory, pigweed, ragweed, and velvetleaf. Apply as a broadcast spray at the rates indicated in Table 1, in 20-60 gals. of water and/or fluid fertilizer. Add a surfactant (nonionic) at the rate of 16 fl. oz. per 100 gals. of diluted spray.

## BROADCAST RATE PER ACRE

<u>Soil Texture</u>	<u>General Weed Control</u>		<u>Heavy Crabgrass/Fall Panicum Control</u>	
	<u>TOPGUN</u>	<u>COLONEL</u>	<u>TOPGUN</u>	<u>COLONEL</u>
Coarse	2.5 pts	4.0 pts	3.5 pts	2.5 pts
Medium	3.0 pts	4.8 pts	4.0 pts	3.0 pts
Fine	3.5 pts	6.0 pts	4.5 pts	4.0 pts

LIMITATIONS AND PRECAUTIONS: Add the COLONEL to the spray tank while agitating, then add the TOPGUN, and surfactant. Continue agitation during application. Refer to the COLONEL label for limitations and precautions of that product.

## DIRECTED SPRAYS - TREES AND VINES

ALMONDS, GRAPES, AND WALNUTS (California Only); ORANGES

(California and Florida Only); SOUR CHERRIES (Michigan Only);

APPLES, PEACHES, PEARS: For Top Kill and Residual Control of Annual Broadleaf Weeds and Grasses and for Suppression of Perennial Weeds - For broadcast application apply TOPGUN at the following rates per acre:

Crop	Rate <b>TOPGUN</b> Per Sprayed Acre	Precautions
Almonds and Peaches (California Only)	2.5-5 pts. in 2-4 ft. band on each side of tree row. The 2.5 pt. provides residual control of bur- clover, common chickweed, wild mustard and sheperds- purse.	Do not treat trees estab- lished less than 3 years. Do not treat Mission variety of almonds. Do not apply to almond trees propagated on plum root stalks. Do not replant almonds or peaches in treated soil for 12 months after treatment. Do not apply on gravelly sand or loamy sand soil or on soil with less than 1% organic matter. Do not treat areas where water will accumulate.
Apples Avocados (California and Florida Only) Pears Sour Cherries (Limited to MO and states east of the Mississippi River except Tennessee.)	5-10 pints	Do not apply to sandy soil. Leveling and furrowing operations after application will lessen effectiveness of weed control. In avocados in Florida, this product also controls balsam-apple vine, rattail amaranth, and at the higher rate, it suppresses coral vine.
Walnuts (California Only)	4-10 pints	Do not apply to sandy or gravelly soil.
Peaches (Arkansas, Louisiana, Missouri, Oklahoma, Texas and states East of the Mississippi River)	5-10 pints	Do not use in vineyards established less than 3 years.
Grapes (California Only)	5-10 pints	Do not use in nurseries. To avoid possible injury, do not apply to trees under stress from freeze damage for one year following the freeze.
Oranges (California Only) except Imperial, Coachella and Palo Verde Valleys (Florida Only) - Bedded	8 pints	

Use the low rate of TOPGUN on coarse textured soils and low organic matter soils. Use the high rate on fine textured soils and high organic matter soils. Apply TOPGUN in 50 to 200 gals. of water per acre to the orchard floor avoiding contact with fruit, foliage or stems. Add a nonionic spreader at 16 to 32 fl. oz. per 100 gals. diluted spray. Apply when weeds



and grasses are succulent and the new growth is from 1 to 6 inches tall. For band applications or spot applications around trees, reduce the broadcast rate and the amount of water in proportion to the area actually sprayed.

Make only one application per year. Apply in orchards where trees have been established one year or more. Do not spray under windy conditions and use a shield for young trees. Do not apply to almonds and walnuts when nuts are on the ground during the harvest period. Do not allow animals to graze treated areas.

ALFALFA (Pure alfalfa at least 12 months old): For improved control of filaree, Jim Hill mustard, and shepherdspurse, bluegrass, cheatgrass, chickweed, and tansymustard. Broadcast the recommended rate of TOPGUN from Table 2 in 20-100 gals. of water per acre with ground equipment, or in 5-10 gals. of water per acre aerially. Add a nonionic spreader at 16 to 32 fl. oz. per 100 gals. diluted spray mix. Apply to established alfalfa after the last fall cutting when the crop is dormant and before spring growth starts. Apply when weeds are succulent and growth is 1-6 inches tall. The addition of GRAMOXONE SUPER paraquat may be necessary as indicated to obtain adequate emerged weed control.

Table 2

## BROADCAST RATE PER ACRE

Alfalfa Regions	Soil Texture	Rate Per Acre			
		Less Than 4" Tall		Weeds 4-6" Tall	
		TOPGUN	GRAMOXONE SUPER	TOPGUN	GRAMOXONE SUPER
WA, OR, NV, UT, ID, MT, WY, CO, and the California counties of Del Norte, Siskiyou, Modoc, Shasta, Lassen, Plumas, Sierra, and Nevada	Sand and loamy sand	DO NOT USE	DO NOT USE	DO NOT USE	DO NOT USE
	Sandy loam	2 pts	2/3 pt	2 pts	1-1/3 pt
	Loam soil	3 pts	-	3 pts	1 pt
	Clay soil	4 pts	-	4 pts	1/2 pt

LIMITATIONS AND PRECAUTIONS: Precautions: To avoid crop injury, (1) Do not apply if regrowth following the last fall cutting is more than 2 inches tall. Alfalfa foliage present at application will be burned. (2) Apply once per growing season.

Note: Do not pasture animals in treated fields before first cutting, or illegal residues may result. Do not graze, cut, or harvest within 90 days after application.

Apply once per year in the fall after the last cutting but prior to permanently frozen ground conditions.

Alfalfa must be growing for at least 12 months before treatment.