

Paramount[®]

herbicide

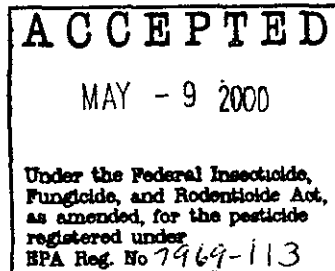
For weed control in fallow, preplant wheat and sorghum in the following states: CO, ID, KS, MT, ND, NE, NM, OK, OR, SD, UT, WA, WY, and the High Plains of TX.

Active Ingredients:	
3,7-Dichloro-8-quinolinecarboxylic acid	75.0%
Inert Ingredients:	25.0%
Total	100.0%

EPA Reg. No. 7969-113

KEEP OUT OF REACH OF CHILDREN.

CAUTION



See inside label for complete **Precautionary Statements, Statements of Practical Treatment, Directions For Use, and Conditions of Sale and Warranty.**

Net contents: 120 ounces (7.5 pounds)

I. Precautionary Statements

Hazards to Humans and Domestic Animals

Harmful if swallowed, inhaled, or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or spray mist. Causes moderate eye irritation. May cause allergic skin response.

First Aid

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor.

If on skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Wash thoroughly with soap and water after handling. Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables,

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.

use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statement

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.

Environmental Hazards

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Do not apply directly to water, areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of rinsate.

II. Directions For Use

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

All applicable directions, restrictions and precautions are to be followed. This labeling must be in the user's possession during application

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 **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
- Waterproof gloves
- Protective eyewear
- Shoes plus socks

Storage and Disposal

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

Container Storage: Do not store bag under wet conditions.

Container Disposal: Completely empty bag into application equipment. Then dispose of packaging in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burning, stay out of smoke.

Pesticide Disposal: Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility.

In Case of Emergency

In case of large-scale spillage regarding this product, call:

CHEMTREC 800-424-9300
BASF Corporation 800-832-HELP

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment.
- Your local poison control center (hospital).
- BASF Corporation (800-832-HELP)

III. General Information

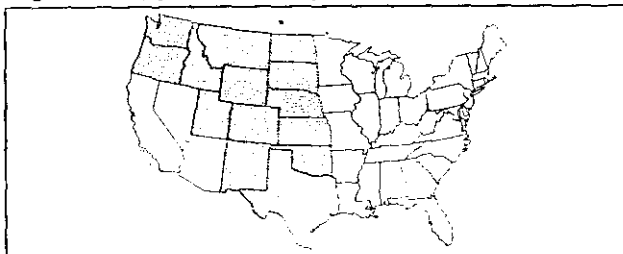
Paramount® herbicide is a dry flowable product intended for use in fallow, pre-plant or postemergence sorghum, and pre-plant in wheat. Visual symptoms of weed control with **Paramount** include twisting, stunting, reddening, and chlorosis followed by necrosis and death. Weeds controlled by **Paramount** are listed in **Table 1**. See **Figure 1** for application regions for **Paramount**.

Table 1. Target Weeds

Weeds Controlled	Weeds Suppressed*
barnyardgrass	Canada thistle
bindweed, field and hedge	dandelion
broadleaf signalgrass	kochia
bedstraw/cleavers	lambsquarters, common
clovers	ragweed, common
crabgrass, large	ragweed, giant
foxtail, giant, green & yellow	Russian thistle
morningglory sp.	sunflower, wild
volunteer flax	velvetleaf

* For improved control, add a tank mix partner that has herbicidal activity listed on the respective label.

Figure 1. Application Region for Paramount



Coverage

Weeds must be thoroughly covered with spray because foliar uptake of **Paramount** by the target weed is important for optimum control. Large leaf canopies shelter smaller weeds and can prevent adequate spray coverage.

Cleaning Spray Equipment

Clean spray equipment thoroughly using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions before and after applying this product, particularly if a product with the potential to injure crops was used.

IV. Application Instructions

Do not apply **Paramount** using aerial equipment unless permitted by the special local need provision (Section 24(c)) of FIFRA.

Applications must be made to actively growing weeds as broadcast or spot spray applications at 3.0-8.0 ounces **Paramount** per acre at the rates listed in **Table 2. Application Rates**.

For most broadleaf weeds, the most effective control will result from applying **Paramount** early, when weeds are small. Delaying application permits weeds to exceed the maximum size and may prevent adequate control.

In irrigated areas, it may be necessary to irrigate before treatment to ensure active weed growth.

Fallow or Preplant in Wheat or Sorghum

Paramount can be applied in fallow areas at 3.0-5.3 ounces per acre for control of annual grasses and broadleaf weeds including bindweed (see **Table 1**). For bindweed control, **Paramount** can be applied after harvesting, prior to first frost. **Paramount** should be applied to actively growing bindweed at least 4" long. If tillage is a part of local post-harvest practices, allow a minimum of 30 days for bindweed plants to regrow after tillage prior to application. For best long-term bindweed control, **Paramount** should be used in a three year planned program applying 5.3 ounces per acre the first year and 3.0-5.3 ounces per acre in subsequent years.

Sorghum

Paramount can be applied to grain sorghum at 3.0-8.0 ounces per acre from preemergence to 12 inches for control of annual grasses and broadleaf weeds. For best annual grass control, **Paramount** should be applied at 5.3-8.0 ounces per acre in a tank mix with 0.5-1 pound a.i. per acre atrazine when weeds are less than 2" tall.

Table 2. Application Rates

Target Weeds	Rate per Acre
Grass and Broadleaf Control	5.3-8.0 ounces
Bindweed Control	5.3 ounces
Bindweed Maintenance	3.0 ounces

Ground Application (Broadcast)

Water Volume: Use 5-30 gallons of water per broadcast acre. When weed foliage is dense, higher spray volumes may be required.

Spray Pressure: Use a maximum of 30 psi (measured at the boom, not at the pump or in the line).

Application Equipment: Use only nozzles that will produce uniform spray patterns and thorough coverage, spaced up to 20 inches apart. Select nozzles designed to produce minimal amounts of fine spray particles. Do not use controlled droplet applicator (CDA) nozzles as erratic coverage can cause inconsistent weed control. Do not use selective application equipment such as recirculating sprayers or wiper applicators. Drift reduction nozzles such as Delavan® Raindrop Drift Reduction Flat Spray Tip, RF Tips, XR Tee Jet™ Extended range Flat Spray Tips, or other brands of comparable capabilities are recommended.

V. General Tank Mixing Information

Read and follow the applicable **Restrictions and Limitations** and **Directions For Use** on all products involved in tank mixing. The most restrictive labeling applies to tank mixes.

Tank Mix Partners/Components

Use the following tank mixes to achieve control of the weeds listed as suppressed in **Table 1**. The following herbicides may be tank mixed with **Paramount® herbicide** according to the specific tank mixing instructions in this label and respective product labels. For all recommended tank mixes, use a rate of 3.0-8.0 ounces per acre of **Paramount**.

BASF does not recommend using tank mixes other than those listed on BASF labeling. Physical incompatibility, reduced weed control, or crop injury may result from mixing **Paramount** with other pesticides, additives, or fertilizers. Local agricultural authorities may be a source of information when using other than BASF recommended tank mixes.

Table 3. Tankmixes with Paramount

Tankmix partner	Fallow and preplant wheat	Preplant sorghum	Postemergence sorghum
2,4-D	0.375-1.0 lb ai	0.375-1.0 lb ai	0.125-0.5 lb ai
atrazine	—	0.5-1.0 lb ai	0.5-1.0 lb ai
Clarity® herbicide	4-16 oz	4-16 oz	2-4 oz
Fallowmaster® herbicide	22-44 oz	22-44 oz	—
Landmaster® herbicide	32-54 oz	32-54 oz	—
Peak® herbicide	—	—	0.25 oz
Roundup® Ultra and RT® herbicides	12-32 oz	12-32 oz	—

VI. Additives

To achieve consistent weed control, methylated seed oil or crop oil concentrate is required. AMS or UAN can be added to enhance efficacy, but cannot be used in place of methylated seed oil or crop oil concentrate. See **Table 4. Additive Rates Per Acre** for more information. Consult your local BASF representative for recommendations for your area.

Table 4. Additive Rate Per Acre

Additive	Ground Application
Methylated Seed Oil	1.0-2.0 ² pints
Crop Oil Concentrate	2.0 pints
UAN Solution ¹	0.5-1 gallon
AMS ¹	2.5 pounds

¹ Optional

² For best grass control, use at least 1.5 pints/acre of MSO.

Methylated Seed Oil or Crop Oil Concentrate

The methylated seed oil or crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all of the following criteria:

- be nonphytotoxic,
- contain only EPA-exempt ingredients,
- provide good mixing quality in the jar test, and
- be successful in local experience.

The exact composition of suitable products will vary; however, vegetable oil concentrates should contain emulsifiers to provide good mixing quality. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils.

Ammonium Sulfate and Urea Ammonium Nitrate (AMS and UAN)

In some areas, using a nitrogen additive improves weed control. AMS or UAN (UAN commonly referred to as 28%, 30% or 32% nitrogen solution) may be added to, but not used in place of, methylated seed oil or crop oil concentrate. When AMS is used, 3 quarts of liquid AMS (8-8-0 analysis) may be substituted for 2.5 pounds of solid AMS.

Because most nitrogen solutions are mildly corrosive to galvanized, mild steel, and brass spray equipment, rinse the entire spray system with water soon after use. Use high-quality AMS to avoid plugging spray nozzles. The AMS must be readily soluble in water and contain no insoluble materials. Local sources of high-quality, fine, feed-grade AMS may be better than fertilizer grade. Low-quality AMS may contain material that will not readily dissolve, which could result in nozzle tip plugging. To determine AMS quality, perform a jar test adding 1/3 cup of ammonium sulfate to 1 gallon of water and agitate for 1 minute. If any undissolved sediment is observed, predissolve the AMS in water and filter before adding it to the spray tank. If the AMS is added directly to the spray tank, add slowly while agitating. Adding the mix too quickly may clog outlet lines.

Compatibility Test for Mix Components

Add components in the following sequence using 2 teaspoons for each pound or 1 teaspoon for each pint of recommended label rate per acre.

- 1) **Water:** For 20 gallons per acre spray volume, use 3 1/3 cups (800 ml) of water. For other spray volumes, adjust rates accordingly. Use only water from the intended source at the source temperature.
- 2) **Products in PVA bags:** Cut an opening in the water-soluble PVA bag just large enough to use a teaspoon for measuring purposes. Use the opened water-soluble PVA bag first when preparing spray solution. Cap the jar and invert 10 cycles.
- 3) **Water-dispersible products** (including **Paramount® herbicide**) such as dry flowables, wettable powders, suspension concentrates, or suspo-emulsions: For **Paramount** at the the 3.0 ounce rate, use 0.5 teaspoon. For the 5.3 ounce rate, use 1 teaspoon. For the 8.0 ounce rate, use 1.5 teaspoons. Cap the jar and invert 10 cycles.
- 4) **Water-soluble products:** Cap the jar and invert 10 cycles.
- 5) **Emulsifiable concentrates:** (methylated seed oil or crop oil concentrate when applicable). Cap the jar and invert 10 cycles.
- 6) **Water-soluble additives** (AMS or UAN when applicable): Cap the jar and invert 10 cycles.
- 7) Let the solution stand for 15 minutes.
- 8) **Evaluate** the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. Do not use any spray solution that could clog spray nozzles.

VII. Mixing Order

- 1) **Water:** Begin by agitating a thoroughly clean sprayer tank half full of clean water.
 - 2) **Agitation:** Maintain constant agitation throughout mixing and application.
 - 3) **Products in PVA bags:** Place any product contained in water-soluble PVA bags in to the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
 - 4) **Water-dispersible products** (including **herbicide**) such as dry flowables, wettable powders, suspension concentrates, or suspo-emulsions: If an inductor is used, rinse it thoroughly after the component has been added.
 - 5) **Water-soluble products** (when applicable): If an inductor is used, rinse it thoroughly after the component has been added.
 - 6) **Emulsifiable concentrates** (methylated seed oil or oil concentrate when applicable): If an inductor is used, rinse it thoroughly after the component has been added.
 - 7) **Water-soluble additives** (AMS or UAN when applicable):
 - 8) **Water:** Remaining quantity of water
- Maintain constant agitation during application.

VIII. General Restrictions and Limitations

- **Maximum seasonal use rate:** Do not apply more than a **total of 16 ounces** of **Paramount® herbicide** per acre, per calendar year.
- **Restricted Entry Interval (REI): 12 hours.**
- **Crop Rotation Restrictions:** In case of **crop failure**, only Spring or Winter wheat and sorghum may be immediately replanted. Do not plant any other crop other than Spring or Winter wheat or sorghum for 309 days (10 months) following application. For alfalfa, clover, flax, peas, ~~lentils~~, Solanaceous crops listed below, and sugarbeets, do not replant for 24 months and conduct a bioassay prior to planting any of these crops.
- Applications to bindweed must be made before the first killing frost.
- Do not apply to weeds or grasses under **stress** due to lack of moisture, herbicide injury, mechanical injury or cold temperatures, as *unsatisfactory control may result*.
- Do not apply to sorghum subjected to **stress** conditions such as hail damage, flooding, drought, injury from other herbicides, or widely fluctuating temperatures, as crop injury may result.
- Do not apply to sorghum that shows **injury** (leaf phytotoxicity or plant stunting) produced by any other prior herbicide applications, because this injury may be enhanced or prolonged.
- Do not use **selective application equipment** such as recirculating sprayers, wiper applicators, or **shielded applicators**.
- **Rainfast period: Paramount** is rainfast 6 hours after application.
- **Wind Speed for Ground Applications:** Do not apply **Paramount** when wind is blowing more than 10 mph.
- Do not apply **Paramount** using aerial equipment unless permitted by the special local need provision (Section 24(c)) of FIFRA.
- Do not apply through any type of **irrigation** equipment.

Drift:

- Do not allow **Paramount** to drift onto other desirable plants, especially sensitive crops belonging to the following plant families:
 1. *Solanaceae* [tomato, potato, tobacco, eggplant, peppers (*Capsicum*), among others]
 2. *Umbelliferae* (celery, parsley, carrots, among others)
 3. *Leguminosae* (alfalfa, green bean, among others)
 4. *Convolvulaceae* (sweet potato, among others)
 5. *Chenopodiaceae* (spinach, sugar beet, among others)
 6. *Malvaceae* (okra, among others)
 7. *Cucurbitaceae* (watermelon, cantaloupe, squash, pumpkin, among others)
 8. *Compositae* (lettuce, sunflowers, among others)
 9. *Linaceae* (flax)
- Do not allow spray containing **Paramount** to drift onto areas where tomatoes are to be planted, have been planted, or onto emerged tomatoes as severe injury will occur.
- Do not use **Paramount** in tank mixes not specified on this label or BASF technical bulletins.
- Do not premix **Paramount** with fungicides, herbicides, insecticides, additives, or fertilizers as contamination of mixing equipment and movement of **Paramount** to off-site mixing areas can occur.

Crops:

This product can be used on the following crops:

Fallow
Sorghum
Wheat (preplant)

Look inside for complete **Restrictions and Limitations** and **Application Instructions**.

Weeds listed in this label:

Common Name	Scientific Name
Barnyardgrass	<i>Echinochloa crus-galli</i>
Bedstraw/cleavers	<i>Galium aparine</i>
Bindweed, field	<i>Convolvulus arvensis</i>
, hedge	<i>Calystegia sepium</i>
Broadleaf signalgrass	<i>Brachiaria platyphylla</i>
Clover, crimson	<i>Trifolium incarnatum</i>
, red	<i>Trifolium pratense</i>
, white	<i>Trifolium repens</i>
Crabgrass, large	<i>Digitaria sanguinalis</i>
Dandelion	<i>Taraxacum officinale</i>
Foxtail, giant	<i>Setaria faberi</i>
, green	<i>Setaria glauca</i>
, yellow	<i>Setaria viridis</i>
Kochia	<i>Kochia scoparia</i>
Lambsquarters, common	<i>Chenopodium album</i>
Morningglory	<i>Ipomea sp.</i>
Ragweed, common	<i>Ambrosia artemisiifolia</i>
, giant	<i>Ambrosia trifida</i>
Sunflower, wild	<i>Helianthus annuus</i>
Thistle, Canada	<i>Cirsium arvense</i>
, Russian	<i>Salsola iberica</i>
Velvetleaf	<i>Abutilon theophrasti</i>
Volunteer Flax	<i>Linum sp.</i>

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with 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 use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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