

PM 25

7969-158

4/27/98

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BASF

ACCEPTED

APR 27 1998

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 7969-158

Facet[®] GR

herbicide

Herbicide

Active ingredient	
3,7-dichloro-8-quinolincarboxylic acid	1.5%
Inert Ingredients	98.5%
Total	100.0%

KEEP OUT OF REACH OF CHILDREN.

CAUTION

Precautionary Statements

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 injury. May cause allergic skin response.

Statement of Practical Treatment

If swallowed: Contact a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat or, if available, by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin: Wash thoroughly with plenty of soap and water. Remove contaminated clothing and launder before re-use. Get medical attention if irritation persists.

If in eyes: Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

Environmental Hazards

Keep out of lakes, ponds and streams. Do not apply directly to water, areas where surface water is present, or to intertidal areas below the mean high water mark, except as specified on this label for use in rice. Do not contaminate water by cleaning of equipment or disposal of rinsate.

Net contents: _____ pounds

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions For Use for information about this standard.

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Personal Protective Equipment (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves, 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.

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.

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.

Directions For Use

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

All applicable directions, restrictions, precautions and **Conditions of Sale and Warranty** are to be followed. This labeling must be in the possession of the user at time of application.

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 specified area during application.

For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

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, and water, is: coveralls, waterproof gloves, and shoes plus socks.

In Case of Emergency

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

- CHEMTREC 1-800-424-9300
- BASF Corporation 1-800-832-HELP

In case of medical emergency regarding this product, call:

1. Your local doctor for immediate treatment.
2. Your local poison control center (hospital).
3. BASF Corporation 1-800-832-HELP.

Storage and Disposal

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

Storage: Do not store bags under wet conditions.

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

Container Disposal: Completely empty bags 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 burned, stay out of smoke.

General Information

Facet® GR herbicide can be applied as a soil or early postemergence treatment to control certain grass and broadleaf weeds in rice. It can be used on drill, broadcast-seeded, or water-seeded rice.

Drill-seeded rice has shown good to excellent tolerance to Facet GR.

In broadcast or water-seeded rice, seed on the soil surface in direct contact with Facet GR is the most sensitive. Symptoms of "buggy whipping" and leaf twisting can be observed, but rice will generally outgrow these symptoms. The potential for rice injury (partial stand reduction or stunting) depends on seed placement and growth stage.

Application Timing and Rice Culture

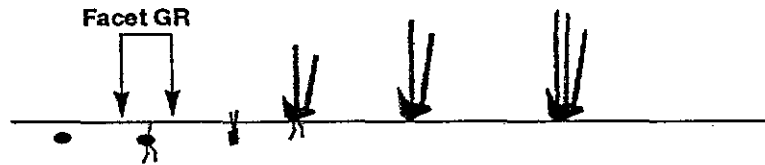
Facet® GR herbicide may be applied pre-emergence, delayed pre-emergence, or early postemergence. For early postemergence applications, apply Facet GR to small and actively growing weeds and grasses before they reach the maximum size listed in the Rate of Application section.

Alternate Flood Culture: In southern rice growing areas of the U.S., Facet GR can be applied pre-emergence, delayed pre-emergence, or early postemergence to dry, moist, or saturated soil. Fields should be kept moist after application and before permanent flood is applied to ensure the best weed control.

Continuous Flood Culture: Apply Facet GR early postemergence to grasses and weeds under shallow flood conditions (1-2 inches) before they reach the maximum size recommended on this label.

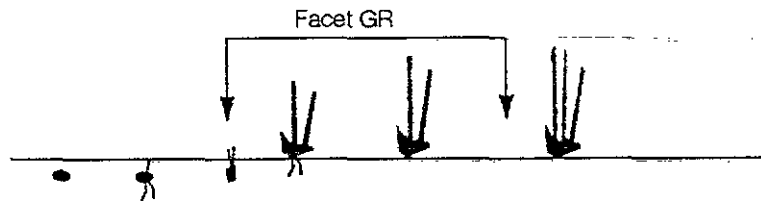
Pin-point Flooding Culture: On water-seeded rice, Facet GR should be applied after the water is drained but before the field is reflooded. Rice should have two leaves visible at application. Application too soon after the field is drained will result in possible rice injury to seeds and seedlings lying on the soil surface. Symptoms of "buggy whipping" and leaf twisting are generally observed if seeds or seedlings are on the soil surface at application.

Pre-emergence/Delayed Pre-emergence Application of Facet GR (Drill-Dry Seeded Rice Only)



- **Drill** the dry seed before applying Facet GR. Make sure the drill furrow is covered. Exposed seeds on the surface may cause injured rice seedlings to develop.
- Do not apply Facet GR to rice fields with a history of poor water-holding capacity (porous subsoil), as erratic weed control may result.

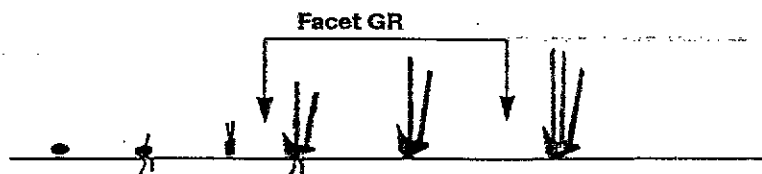
Early Postemergence Application of Facet GR (Drill and Broadcast Dry-Seeded Rice Only)



- In drill-seeded and properly covered broadcast-seeded rice, Facet GR can be applied to the emerged grasses and broadleaf weeds not exceeding size limits for up to 40 days before harvest.
- Do not apply Facet GR to rice fields with a history of poor water-holding capacity (porous subsoil), as erratic weed control may result.

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Early Postemergence Application of Facet® GR Herbicide (Water-Seeded Rice: Dry and Sprouted)



- **Facet GR** can be applied to water-seeded rice after the second true leaf of rice has developed. Earlier application can result in onion leafing and "buggy whipping".
- Do not flood more than 2 inches deep.
- Do not apply **Facet GR** to rice fields with a history of poor water-holding capacity (porous subsoil), as erratic weed control may result.

Water Management

Proper water management is critical for a successful Facet GR weed control program.

With adequate soil moisture, a soil application of **Facet GR** is actively taken up by germinating weed seed. Therefore, it is **absolutely essential** that adequate soil moisture is available for optimum **Facet GR** root uptake and performance, regardless of whether the application is pre-emergence or postemergence. Do not allow the soil to dry out for a prolonged period of time after an application of **Facet GR** or unsatisfactory weed control can occur.

Optimum weed control will be achieved when **Facet GR** is applied to a moist soil and the field is maintained in a moist condition until permanent flood. When **Facet GR** is applied pre-emergence to dry or moist soil, flush within 3-5 days after application. This step is especially critical when **Facet GR** is applied to dry soil. When **Facet GR** is applied pre-emergence to wet or saturated soil (no standing or puddled water), flush the field when it begins to dry (normally 3-14 days after application). New flushes of grass and broadleaf weeds may occur after a **Facet GR** application. Flushing the fields while the weeds are still small (1 inch or less) normally provides control of the susceptible grasses and broadleaf weeds.

If a heavy rain occurs after a **Facet GR** application, drain the excess water from the rice field to avoid possible rice injury.

Levees and Facet GR

Applying **Facet GR** after levees are formed has shown more consistent weed control than application before levees are formed — provided moisture is available. When sufficient moisture (rainfall or irrigation) is not available, grass and weed control will be erratic.

Applying **Facet GR** to the soil before levees are marked and pulled may provide partial weed control on the levees depending on rate, soil mixing, weed species, and moisture availability. Grass and weed control on levees formed after applying **Facet GR** is not dependable.

If levees are formed and seeded before or after an application of **Facet GR**, exposed rice seed may be injured.

Aerial Application - Special Directions/Restrictions

- **Susceptible Adjacent Crops:** The applicator must evaluate the application situation to determine how much distance is necessary to prevent spray drift onto any emerged crop, especially sensitive crops. When applying, do not allow Facet® GR herbicide to contact sensitive crops listed in **Restrictions and Limitations** or emerged cotton or soybeans. Severe injury may result if this occurs.

The applicator is responsible for any loss or damage that results from applying Facet GR in a manner other than recommended in this label. In addition, the applicator must follow all applicable state and local regulations and ordinances regarding aerial application.

- **Avoid drift or accidental application from turning aircraft near cotton, soybeans, corn, vegetables, orchards, gardens, shrubs, or ornamentals.**

To obtain uniform coverage and to avoid drift hazards, the following practices must be used:

- **Wind Speed:** Do not apply Facet GR by aircraft when wind is blowing more than 10 mph.
- **Buffer zones:** In Arkansas, do not apply Facet GR with aircraft or ground equipment within 0.5 mile of incorporated towns or within 0.5 mile of commercial tomato production. In Poinsett County, Arkansas, do not apply Facet GR in an area one mile west of Highway 1 to one mile east of Highway 163.
- **Granular application equipment** should be accurately calibrated before use to ensure a uniform application pattern.
- Do not transport Facet GR with an airplane over towns. Fly around the towns.
- During application, equipment and uniform coverage should be checked frequently.

Restrictions and Limitations

- Do not apply more than 33 pounds of Facet® GR herbicide per acre per season to rice.
- Do not use Facet GR on any rice soil that does not have an impermeable hard pan to provide good water-holding capacity.
- Do not use Facet GR on precision-cut fields until the second rice crop as injury can occur.
- Do not use Facet GR on sand and loamy sand soils.
- Do not apply Facet GR within 30 days of harvest.
- Do not use water from rice cultivation after a Facet GR application to irrigate any crop other than rice.
- Do not pre-mix Facet GR with fungicides, herbicides, insecticides, additives, or fertilizers as contamination of mixing equipment and movement of Facet GR to off-site mixing areas can occur.
- Do not apply Facet GR through any type of irrigation system.
- Do not allow Facet GR 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)
- Do not allow granules containing Facet GR to drift onto areas where tomatoes are to be planted, have been planted, or onto emerged tomatoes that were transplanted as severe injury will occur.
- Do not use rice straw or processing byproducts (such as chaff, hulls, etc.) as soil amendments or mulch for high-value crops such as bedding stock, vegetable transplants, or ornamental and fruit trees.
- Do not use treated rice fields for the aquaculture of edible fish and crustacea.
- Do not use in California or Florida.

Crop Rotation Restrictions

Do not plant any crop other than rice for a period of 309 days following application.

Eggplants and tobacco should not be planted within 12 months on fields treated with Facet GR.

Tomatoes and carrots should not be planted within 24 months on fields treated with Facet GR.

In case of crop failure, only rice may be immediately replanted.

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Rate of Application

A. Pre-emergence and Delayed Pre-emergence Application for Drill-Seeded Rice

Use 25 pounds of Facet GR per acre on medium-textured soils.

For heavy-textured soils, use 33 pounds per acre.

B. Early Postemergence for Drill, Broadcast, and Water-Seeded Rice (2-4 leaves)

Weed	Weed Size		Facet GR Rate Per Acre
	Leaf Stage	Height (in)	
Barnyardgrass	1-2	1/4-2	25 pounds ¹ to 33 pounds ²
Junglerice	1-2	1/4-2	
Broadleaf Signalgrass	1-2	1/4-2	
Large Crabgrass	1-2	1/4-2	
Jointvetch Species	1-2	1/4-2	
Morningglory Species	2-6	2-3	
Sesbania	1-2	1/4-2	
Eclipta	1-2	1/4-2	

Note: Facet[®] GR herbicide does not control sprangletop.

¹ Use 25 pounds of Facet GR per acre on medium-textured soils (silt and loams).

² Use 33 pounds of Facet GR per acre only on heavy-textured soils like clay soils with a clay content greater than 40% (gumbo soils, Sharkey clay).

Do not use Facet GR on any rice soil that does not have an impermeable hard pan to provide good water-holding capacity.

Equipment Cleanup Following Application of Facet GR

After applying Facet GR, empty the hopper of any granular material. Check to make sure that the tank and all orifices in the tank are clean of Facet GR.

Hose off the walls of the tank and all equipment that handled the granule with fresh water. Dispose of the rinse water by either applying it to a rice field or pumping it into a rice water holding tank for future use.

Appendix

The following are scientific names for the weeds listed on this label controlled or suppressed by **Facet® GR herbicide**:

Common Name	Scientific Name
Alligatorweed	<i>Alternanthera philoxeroides</i>
Barnyardgrass	<i>Echinochloa crus-galli</i>
Crabgrass, Large	<i>Digitaria sanguinalis</i>
Signalgrass, Broadleaf	<i>Brachiaria platyphylla</i>
Eclipta	<i>Eclipta alba</i>
Jointvetch Species	
Indian	<i>Aeschynomene indica</i>
Northern	<i>Aeschynomene virginica</i>
Junglerice	<i>Echinochloa colonum</i>
Morningglory species	
Cypressvine	<i>Ipomoea quamoclit</i>
Entireleaf	<i>Ipomoea hederacea integriscula</i>
Ivyleaf	<i>Ipomoea hederacea</i>
Palmleaf	<i>Ipomoea wrightii</i>
Pitted	<i>Ipomoea lacunosa</i>
Purple Moonflower	<i>Ipomoea muricata</i>
Smallflower	<i>Jacquemontia tamnifolia</i>
Tall (common)	<i>Ipomoea purpurea</i>
Sesbania	<i>Sesbania exaltata</i>

The following is the scientific name for the weed listed on this label not controlled by **Facet GR**:

Common Name	Scientific Name
Sprangletop	<i>Leptochloa spp.</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.

Facet is a registered trademark of BASF AG.

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