

7969-113

9-27-2007

113



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SEP 27 2007

Rebecca L. Johnston
Global Regulatory Affairs Manager
Global Regulatory Affairs
BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709-3528

SUBJECT: Application for Pesticide Notification – Changes per CDPA + Added Spray Drift
Management Text
Facet® 75 DF Herbicide
EPA Reg. No. 7969-113
Application Dated September 10, 2007

Dear Ms. Johnston:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Terri Stowe of my staff at 703-305-6117.

Sincerely,

A handwritten signature in cursive script that reads "Rachel C. Halloran".


Handwritten initials "for" in cursive script.

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

2/13

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95

	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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Application for Pesticide - Section I

1. Company/Product Number 7969-113	2. EPA Product Manager J. Tompkins	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Facet 75 DF Herbicide	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) BASF Corporation 26 Davis Drive Research Triangle Park, NC 27709-3528 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - Explain below.
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NOTIFICATION

SEP 27 2007

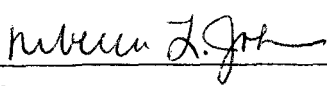
Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of minor revisions to main label for Facet 75 DF herbicide per PR Notice 98-10. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted If "Yes" Unit Packaging wgt. No. per container		If "Yes" Package wgt No. per container			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> _____	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Rebecca L. Johnston	Title Senior Regulatory Affairs Manager	Telephone No. (Include Area Code) 919-547-2609
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Senior Global Regulatory Affairs Manager	
4. Typed Name Rebecca L. Johnston	5. Date 9-10-07	



The Chemical Company

September 10, 2007

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501
Attn: James Tompkins Room S-7337

NOTIFICATION

SEP 27 2007

**RE: FACET 75 DF® Herbicide EPA Reg. No. 7969-113
Notification of Main Label for Use in Rice
Last approved January 23, 2002**

Dear Mr. Tompkins:

BASF Corporation hereby notifies EPA of minor changes to the main label for FACET 75 DF herbicide (EPA Reg. No. 7969-113) for use in rice. Changes to the label were to add the CPDA certified adjuvant statement and to add the spray drift management text that has been recommended by EPA. Your email of 5/10/07 allowing me to submit the drift management text as a notification is attached as Exhibit 1.

In support of this notification, an application form and a copy of the proposed FACET 75 DF main label are enclosed. The current EPA stamp-approved FACET 75 DF main label is enclosed as the Approved Label. For convenience, five copies of the proposed FACET 75 DF main label are included for your files.

Thank you for your continued assistance with the registration issues of this product. If there are any questions concerning this application, please contact me by phone at 919-547-2609 or by email at Rebecca.Johnston@basf.com.

Sincerely,

Rebecca L. Johnston
Global Regulatory Affairs Manager
Global Regulatory Affairs

®Registered Trademarks of BASF

BASF Corporation
26 Davis Drive
RTP, NC 27709
Tel: (919) 547-2000
www.basf.com/usa



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 7969-113	2. EPA Product Manager J. Tompkins	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Facet 75 DF Herbicide	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) BASF Corporation 26 Davis Drive Research Triangle Park, NC 27709-3528 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

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<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION

SEP 27 2007

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Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Rebecca L. Johnston	Title Senior Regulatory Affairs Manager	Telephone No. (Include Area Code) 919-547-2609
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Senior Global Regulatory Affairs Manager	
4. Typed Name Rebecca L. Johnston	5. Date 9-10-07	



Rebecca L
Johnston/APN/RT
P/BASF-CORP/B
ASF

To Tompkins.Jim@epamail.epa.gov
cc
bcc

05/10/2007 01:14
PM

Subject Re: FACET Label

Thanks Jim. I'll be adding the language with typos corrected and no other edits.

Rebecca L. Johnston
Senior Regulatory Affairs Manager
(ph) 919-547-2609
(fax) 919-547-2850
email: rebecca.johnston@basf.com
Tompkins.Jim@epamail.epa.gov

NOTIFICATION

SEP 27 2007



Tompkins.Jim@e
pamail.epa.gov

To Rebecca L Johnston <rebecca.johnston@basf.com>
cc

05/10/2007 12:20
PM

Subject Re: FACET Label

If you add the aerial drift reduction language just as it appears in the PR Notice with the typos corrected, you can submit it as a notification. If you want to edit the language, then submit it as an amendment.

Jim Tompkins
Team Leader 25
Herbicide Branch
Registration Division

Phone 703 305 5697
Fax 703 308 0029
E-mail Tompkins.jim@EPA.GOV

Rebecca L
Johnston
<rebecca.johnston@basf.com>

To Jim Tompkins/DC/USEPA/US@EPA
cc

05/10/2007 10:44
AM

Subject FACET Label

4/13



The Chemical Company

NOTIFICATION

SEP 27 2007

Facet[®] 75 DF

herbicide

Active Ingredient:

quinclorac, 3,7-dichloro-8-quinolinecarboxylic acid 75.0%

Other Ingredients: 25.0%

Total: 100.0%

EPA Reg. No. 7969-113

EPA Est. No. _____

**KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCIÓN**

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

See inside for complete **First Aid, Precautionary Statements, Directions For Use,** and **Conditions of Sale and Warranty.**

Net Contents: _____

BASF Corporation, Agricultural Products
26 Davis Drive, Research Triangle Park, NC 27709

7113

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • 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 do so by a poison control center or doctor. • DO NOT give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after first 5 minutes, then continue rinsing eyes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).	

Precautionary Statements

**Hazards to Humans and Domestic Animals
CAUTION**

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.

**Personal Protective Equipment (PPE)
Applicators and other handlers must wear:**

Some materials that are chemical-resistant to this product are listed below. For more options, follow the instructions for **Category A** on an EPA chemical resistance category selection chart.

- Long-sleeved shirt and long pants
- Chemical-resistant gloves **Category A**, such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber ≥ 14 mils
- Shoes plus socks

Wash thoroughly with soap and water after handling. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them. Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, 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.

USER SAFETY INSTRUCTIONS

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.

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.

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.

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, precautions and **Conditions of Sale and Warranty** 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
- Chemical resistant gloves **Category A**, such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber ≥ 14 mils
- Shoes plus socks

Storage and Disposal

DO NOT contaminate water, food, or feed by storage or disposal.

Container Storage: DO NOT store box under wet conditions. Handle box carefully when stored at temperatures less than 50° F to avoid breaking the water-soluble bags.

Container Disposal: Completely empty box 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.

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 1-800-424-9300
- BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- BASF Corporation 1-800-832-HELP (4357)

General Information

Facet® 75 DF herbicide can be used for weed control in dry-seeded and water-seeded rice planting and production cultures. **Facet 75 DF** is formulated as a dry flowable designed for dilution with water and spraying with common agricultural spray equipment. It is packaged in premeasured, one-pound, water-soluble bags that are added to the mixing vat or directly into the spray tank.

Crop Tolerance

Rice is tolerant to **Facet 75 DF** when used according to label use directions and under typical growing conditions. Adverse weather conditions or high use rate from spray overlap or other sources may contribute to leaf twisting, buggy whipping, or other abnormal growth characteristics. In broadcast or water-seeded rice, seed on the soil surface in direct contact with **Facet 75 DF** is the most sensitive. These symptoms are typically short-lived and rice usually recovers without a significant stand loss or other injury.

Water Management (Irrigation and Flood Water)

Optimum weed control with **Facet 75 DF** is highly dependent on proper use of irrigation, including effective flush irrigation to maintain moist soil conditions and timely establishment of permanent flood water. Soil applications and residual activity from foliar applications require moist soil conditions for weeds to uptake the herbicide and be controlled. Therefore, keep the soil moist to maintain weed control. If the soil is permitted to dry and weeds emerge, flush irrigate the field to reactivate the residual activity of the herbicide while weeds are small (1" or less). If required, make additional **Facet 75 DF** applications as needed, but limit total usage to 0.67 pound per acre per season. In water-seeded rice plantings and in pinpoint flood culture, drain all water from the rice field and ensure seedling rice has at least 2 leaves before applying **Facet 75 DF**. Rice seedlings without 2 leaves may be injured. Flood water levees should be formed prior to applying **Facet 75 DF** for more consistent weed control. Residual weed control on the levee is dependent on moist soil conditions on the levee. If soil on the levee dries, erratic weed control may result.

If a heavy rain occurs after applying **Facet 75 DF**, drain the excess water from the rice field to avoid possible rice injury.

Application Instructions

Facet 75 DF may be applied to rice fields to control barnyardgrass, propanil-resistant barnyardgrass, other annual grasses, and certain broadleaf weeds.

Application Equipment

Whenever possible, spray mixtures should be applied using ground spray equipment.

Ensure ground and aircraft spray equipment is properly calibrated and spray coverage is uniform. Always use spray nozzles and other equipment designed to reduce accidental spray drift. Always use drift control products and limit spray applications to periods when wind and other weather conditions do not favor spray drift beyond the border of the rice field.

Soil Applications

Facet 75 DF can be applied to the soil surface before, during, or after planting of dry-seeded rice. When applied to the soil surface and activated by rainfall or irrigation, roots of susceptible grasses and broadleaf weeds uptake the herbicide resulting in commercially acceptable control before weed competition reduces rice productivity. Soil texture and clay content determine the proper use rate for optimum

Table 1. Timing and Application Rate Table

Weed Species	Soil Applications (Rate per Acre)			Foliar Applications	
	Light-textured sandy loams	Medium-textured silts, loams, silt loams, sandy clay loams	Heavy-textured such as silty clays, silty clay loams, clay loams, clays, gumbo and buckshot	Small weeds controlled and short-term soil residual	Larger weeds controlled and long-term soil residual
Annual Grasses Barnyardgrass Broadleaf signalgrass Junglerice Large crabgrass	0.33 to 0.44 pound	0.50 pound	0.67 pound	0.33 to 0.50 pound up to 2 inches	0.33 to 0.67 pound up to 3 inches
Broadleaf Weeds Eclipta Jointvetches Morningglory species , cypressvine , entireleaf , ivyleaf , palmleaf , pitted , purple moonflower , tall Sesbania, hemp	0.33 to 0.44 pound	0.50 pound	0.67 pound	0.33 to 0.50 up to 2 leaves	0.50 to 0.67 pound up to 3 leaves
Alligatorweed (partial control)*	n/a	n/a	n/a	0.67 pound	n/a

* Rice must be in at least the 2-leaf stage. For best control, establish permanent flood within 2 days after **Facet® 75 DF herbicide** application.

weed control with heavier soil textures and higher clay content requiring higher use rates as recommended in **Table 1**.

Foliar Applications

Facet 75 DF can be applied to the foliage of susceptible grasses and broadleaf weeds in dry-seeded and water-seeded rice. When applied to weed foliage, leaves and stems partially uptake the herbicide. It is essential that rice be flushed after a foliar application to maximize root absorption resulting in commercially acceptable weed control. Additionally, the herbicide reaching the soil surface moves into the soil with rainfall or irrigation providing residual weed control. In general, smaller weeds are more effectively controlled with lower use rates; larger weeds require higher use rates for more complete control. The use rates in **Table 1** are recommended for foliar applications to provide commercially acceptable control of susceptible weeds based on weed size or growth stage.

Ground Application

Whenever possible, spray mixtures containing **Facet 75 DF** should be applied using ground spray equipment. **DO NOT** make spray applications when wind speed is greater than 10 mph, when air temperatures exceed 90° F, or when environmental conditions exist for temperature inversions.

Application Information

Preplant/Preemergence and Delayed Preemergence

Water Volume: Apply 10 to 40 gallons of water per broadcast acre.

Spray Pressure: Use 25 to 40 psi.

Postemergence

Water Volume: Apply 10 to 20 gallons of water per broadcast acre.

Spray Pressure: Use 25 to 40 psi.

Air Application

If application with ground spray equipment is not possible, application by aircraft is acceptable, provided the aerial applicator understands the risks and assumes the liability associated with accidental spray drift from aerial application. **DO NOT** make spray applications when wind speed is greater than 8 mph, when air temperatures exceed 90° F, or when environmental conditions exist for temperature inversions.

Application Information

Water Volume: Apply a minimum of 5 gallons of water per acre.

Spray Pressure: Use a maximum 40 psi.

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determines the potential for spray

drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements **DO NOT** apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outermost nozzles on the boom must not exceed $\frac{3}{4}$ the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downward more than 45 degrees.

Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the [Aerial Drift Reduction Advisory Information](#) presented below.

INFORMATION ON DROPLET SIZE

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly or under unfavorable environmental conditions (see **WIND**, **TEMPERATURE AND HUMIDITY**, and **TEMPERATURE INVERSIONS**).

CONTROLLING DROPLET SIZE

- **Volume** - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** - **DO NOT** exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of Nozzles** - Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation** - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is recommended practice. Significant deflection from the horizontal will reduce droplet size and increase drift potential.
- **Nozzle Type** - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid-stream nozzles oriented straight back produce the largest droplets and the lowest drift.

BOOM LENGTH

For some use patterns, reducing the effective boom length to less than $\frac{3}{4}$ of the wingspan or rotor length may further reduce drift without reducing swath width.

APPLICATION HEIGHT

Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater

height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

SWATH ADJUSTMENT

When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the upwind and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller droplets, etc.).

WIND

Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **NOTE:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

TEMPERATURE AND HUMIDITY

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

TEMPERATURE INVERSIONS

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

SENSITIVE AREAS

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, or nontarget crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

Cleaning Spray Equipment

All mixing equipment and all spray equipment should be thoroughly cleaned before and after mixing and applying **Facet® 75 DF herbicide**.

Additives

For postemergence applications only, adding 2 pints of crop oil concentrate per acre will improve leaf and stem uptake of the herbicide and enhance weed control.

Drift Control Products

Drift control products should always be added to the spray solution to affect spray droplet size and other characteristics, reducing the potential of off-target, accidental spray drift.

When an adjuvant (or a specific adjuvant product, such as a drift control agent) is to be used with this product, the use of a Chemical Producers and Distributors Association (CPDA) certified adjuvant is recommended.

Mixing Order

- 1) **Water:** Begin by agitating a thoroughly clean sprayer tank $\frac{3}{4}$ full of clean water.
- 2) **Agitation:** Maintain constant agitation throughout mixing and application.
- 3) **Products in PVA bags** (such as **Facet® 75 DF herbicide**): Place any product contained in water-soluble PVA bags into 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** (such as wettable powders, suspension concentrates, or suspo-emulsions).
- 5) **Water-soluble products.**
- 6) **Emulsifiable concentrates:** If an inductor is used, rinse it thoroughly after the component has been added.
- 7) **Water-soluble additives:** If an inductor is used, rinse it thoroughly after the component has been added.
- 8) Remaining quantity water.

Maintain constant agitation during application. For more information, refer to **General Tank Mixing Information**.

General Tank Mixing Information

While **Facet 75 DF** is effective in controlling a broad spectrum of annual grasses and broadleaf weeds, more effective weed control may be obtained or additional weeds may be controlled by tank mixing **Facet 75 DF** with other herbicides labeled for weed control in rice. The table below describes some weed situations where tank mixing is appropriate. Read and follow all use directions, precautions, and restrictions for each herbicide in the spray mixture. The most restrictive labeling applies to tank mixes.

Table 2. Tank Mixes

Weed	Tank Mix Information
Cocklebur	Facet 75 DF: 0.33 to 0.67 pound Basagran® herbicide: 1.5 to 2.0 pints
Dayflower	Facet 75 DF: 0.33 to 0.67 pound Basagran: 1.5 to 2.0 pints
Hemp sesbania	Facet 75 DF: 0.33 to 0.67 pound Blazer® herbicide: 0.5 to 1.0 pint ¹ Facet 75 DF: 0.33 to 0.67 pound Command® 3ME: 0.8 to 1.6 pints
Sprangletop	Facet 75 DF: 0.33 to 0.67 pound Bolero® 8 EC herbicide: 0.5 to 1.0 pint ² Facet 75 DF: 0.33 to 0.67 pound Prowl® 3.3 EC herbicide: 2.4 pints ³ Facet 75 DF: 0.33 to 0.67 pound Command 3ME: 0.8 to 1.6 pints
Yellow nutsedge	Facet 75 DF: 0.33 to 0.67 pound Basagran: 1.5 to 2.0 pints
Morningglory	Facet 75 DF: 0.33 to 0.67 pound Command 3ME: 0.8 to 1.6 pints
Heavy infestations of broadleaf weeds	Facet 75 DF: 0.33 to 0.67 pound Storm® herbicide: 1.5 pints
For weeds and grasses not controlled by Facet 75 DF	Facet 75 DF: 0.33 to 0.67 pound propanil: 2 to 4 pounds ai
¹ Apply tank mix after rice has reached the 3-leaf stage. ² Apply tank mix to the soil surface 1 to 5 days before rice emergence. ³ Apply this tank mix to soil surface after planting, before rice emergence and before sprangletop emergence.	

Restrictions and Limitations - Rice

Maximum seasonal use rate: **DO NOT** apply more than **0.67 pound** of **Facet® 75 DF herbicide** per acre, per season.

Preharvest Interval (PHI): **DO NOT** apply **Facet 75 DF** within **40 days** of harvest.

DO NOT apply **Facet 75 DF** to rice that is heading.

State-specific Restrictions: Because there are additional state restrictions in Arkansas, contact the Arkansas Plant Board or a representative for specific instructions about applying **Facet 75 DF** in Arkansas.

In Arkansas, **Facet 75 DF** (quinclorac) must not be applied in an area from one-mile west of Highway No. 1 to one-mile east of Highway No. 163 from the Craighead/Poinsett county line to the Cross/Poinsett county line. Furthermore, **no aerial application** is allowed in the area of Poinsett County one-mile west of Highway No. 1 to two-miles west of Highway No. 1 and one-mile east of Highway No. 163 to Ditch No. 10, from the Craighead/Poinsett county line to the Cross/Poinsett county line.

Crop Rotation Restrictions: **DO NOT** plant any crop other than rice for a period of 309 days following application.

- Eggplant and tobacco should not be planted within 12 months on fields treated with **Facet 75 DF**.
- Tomatoes and carrots should not be planted within 24 months on fields treated with **Facet 75 DF**.

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

Soil Restrictions:

- **DO NOT** use **Facet 75 DF** on precision-cut fields until the second rice crop as injury can occur.
- **DO NOT** use **Facet 75 DF** on sand and loamy sand soils.
- **DO NOT** apply to rice fields with a history of poor water-holding capacity (porous subsoil) as erratic weed control may result.
- **DO NOT** apply **Facet 75 DF** on any rice soil that does not have an impermeable hard pan to provide good water-holding capacity.

Drift Concerns: **DO NOT** allow **Facet 75 DF** to drift outside the intended target areas.

- **Ground application:** **DO NOT** apply when wind speed is greater than 10 mph.
- **Aerial application:** **DO NOT** apply when wind speed is greater than 8 mph.

Temperature Inversions: **DO NOT** apply **Facet 75 DF** when air temperatures exceed 90° F.

DO NOT use rice straw or processing by-products (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 crustaceans (crayfish).

DO NOT use water from rice cultivation after a **Facet 75 DF** application to irrigate any crop other than rice.

Facet 75 DF cannot be used to formulate or reformulate any other pesticide product.

DO NOT apply this product through any type of irrigation system.

Table 3. Restrictions and Limitations

Crop	Minimum Time from Application to Harvest (PHI)	Maximum Rate Per Acre per Application	Maximum Rate Per Acre Per Season	Livestock Grazing or Feeding	Aircraft Application
Rice	40 days	0.67 pound	0.67 pound	n/a	yes

Crops
This product can be used on the following crops:
Rice
Look inside for complete Restrictions and Limitations and Application Instructions .

Weeds Listed in This Label	
Common Name	Scientific Name
Alligatorweed	<i>Alternanthera philoxeroides</i>
Barnyardgrass	<i>Echinochloa crus-galli</i>
Cocklebur	<i>Xanthium strumarium</i>
Crabgrass, large	<i>Digitaria sanguinalis</i>
Dayflower species	<i>Commelina</i> spp.
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 integruscula</i>
, ivyleaf	<i>Ipomoea hederacea</i>
, palmleaf	<i>Ipomoea wrightii</i>
, pitted	<i>Ipomoea lacunosa</i>
, purple moonflower	<i>Ipomoea muricata</i>
, tall (common)	<i>Ipomoea purpurea</i>
Sesbania, hemp	<i>Sesbania exaltata</i>
Signalgrass, broadleaf	<i>Brachiaria platyphylla</i>
Sprangletop	<i>Leptochloa</i> spp.
Yellow nutsedge	<i>Cyperus esculentus</i>

Conditions of Sales and Warranty
<p>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 must be followed carefully. However, 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 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. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.</p> <p>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.</p> <p>TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED, TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY 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.</p>

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