



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

June 12, 2023

Cristina Rodriguez
Senior Registration Manager
FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104

Subject: Registration Review Label Mitigation for Quinclorac & Clomazone
Product Name: F7436-13 Herbicide
EPA Registration Number: 279-3409
Application Dates: June 3, 2019 & February 25, 2022
Decision Numbers: 592294 & 582215

Dear Cristina Rodriguez:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Quinclorac and Clomazone Interim Decisions, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Caleb Carr via email at carr.caleb@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to be "Linda Arrington", with a stylized flourish at the end.

Linda Arrington, Branch Chief
Risk Management and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

Enclosure

Clomazone	GROUP	13	HERBICIDE
Quinclorac	GROUP	4	HERBICIDE

[F7436-13 Herbicide]

[Alternate Brand Name: Obey Herbicide]

For Agricultural or Commercial Use Only
NOT FOR SALE OR USE IN CALIFORNIA

Microencapsulated Liquid

For control of weeds in Rice

EPA Reg. No. 279-3409

EPA Est. _____

Active Ingredient:	By Wt.
Clomazone	13.2%
Quinclorac.....	13.2%
Other Ingredients:	73.6%
	100.0%

Contains 2.5 pounds of active ingredient per gallon

Nonrefillable Container or Refillable Container
Net: _____ Net: _____

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

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

FIRST AID	
If in Eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes. Then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on Skin or Clothing	<ul style="list-style-type: none"> • 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 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 the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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.
HOTLINE NUMBER	
<p>Have the product container or label with you when calling a poison control center, doctor or going for treatment. You may also contact FMC Corporation at 1-800-331-3148 for emergency medical treatment information.</p>	

Sold By:

FMC
FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104

A C C E P T E D

Jun 12, 2023

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 279-3409

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes moderate eye irritation Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

For medical emergencies involving this product, call toll free 1-800-331-3148.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants;
- Waterproof gloves; such as Barrier Laminate or Butyl Rubber, or Nitrile Rubber or Viton;
- Protective eyewear
- 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 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.

Engineering Control 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. Pilots must use an enclosed cab that meets the definition listed in the WPS for agricultural pesticides [40 CFR 170.305].

Important: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "Applicators and Other Handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

USER SAFETY RECOMMENDATIONS

USERS SHOULD:

- Wash hands with soap and water after handling and 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 outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from the area treated. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment wash waters or rinsate. Apply this product only as specified on this label.

NON-TARGET ORGANISM ADVISORY STATEMENT:

This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following the label directions intended to minimize spray drift.

Physical/Chemical Hazards

Do not use or store near heat or open flame.

RESTRICTIONS

Off-site movement of spray drift or vapors of F7436-13 herbicide can cause foliar whitening or yellowing of some plants. Prior to making applications, read and strictly follow all precautions and instructions in the APPLICATION INSTRUCTIONS , BUFFER & APPLICATION RESTRICTIONS and MANDATORY SPRAY DRIFT MANAGEMENT sections.

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 through any type of irrigation system.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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; such as Barrier Laminate or Butyl Rubber, or Nitrile Rubber or Viton;

Shoes plus socks.

F7436-13 herbicide, referred to below as F7436-13 herbicide, must be used only in accordance with instructions on this label or as otherwise permitted by FIFRA. Always read the entire label, including the Limitation of Warranty and Liability.

To the extent consistent with applicable law, FMC will not be responsible for losses or damages resulting from the use of this product in any manner not specified by FMC.

RESTRICTIONS

Spray Buffers

- Observe all buffer restrictions.
- **Do not apply within 300 feet of downwind crops and desirable non-target plants.¹**
- **Do not apply within 1,200 feet of Towns and Housing Developments, Commercial Fruit, Nut, or Vegetable Production¹, Commercial Greenhouses or Nurseries.¹**

¹ Except for vegetable crops registered for use on the F7436-13 herbicide label (including peppers, pumpkins, succulent peas, sweet corn, sweet potato, and winter squash).

- Do not apply this product through any type of irrigation system.
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

FAILURE TO OBSERVE THE RESTRICTIONS IN THIS SECTION OF THE LABEL MAY RESULT IN INJURY TO SENSITIVE PLANTS

- The microencapsulation of clomazone, one of the active ingredients in F7436-13 herbicide, is intended to minimize movement away from the site of application. Avoid making applications when spray particles may be carried by air currents to areas where sensitive crops and plants are growing, or when temperature inversions exist. Leave an adequate buffer zone between the area to be treated and desirable plants. Coarse sprays are less likely to drift out of the target area than fine sprays.
- Foliar contact with spray drift or vapors may cause foliar whitening or yellowing of sensitive plants. Symptoms are generally temporary in nature but may persist on some plant species.

Application restrictions must be taken as follows:

- Do not apply through irrigation equipment.
- Before application, determine air movement and direction.
- Do not apply when wind speeds are greater than 10 mph at the application site.
- Do not apply F7436-13 herbicide to non-field areas including fence rows, waterways, ditches, and roadsides.
- When moving spray equipment to noncontiguous sites, do not allow spray solution to spray or drip from tanks, hoses, fittings or spray nozzles and tips.
- Use a minimum spray volume of 10 gallons per acre.
- **Refer to individual crop use directions for additional requirements.**

PRECAUTIONS

Non-target spray drift of F7436-13 herbicide needs to be avoided to prevent whitening of desirable plants. **Drift is influenced by many factors which include wind speed, spray pressure, particle size, nozzle type, and boom height.**

Refer to Mandatory Spray Drift Section for additional instructions.

WEED RESISTANCE MANAGEMENT

F7436-13 herbicide, which contains the active ingredients clomazone and quinclorac is a group 13 and 4 herbicides based on the mode of action classification system of the Weed Science Society of America.

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is a best practice. A diversified weed management program may include the use of multiple herbicides with different sites of action and overlapping weed spectrum with or without tillage operations and/or other cultural practices. Research has demonstrated that using the labeled rate and directions for use is important to delay the selection for resistance.

The continued effectiveness of this product depends on the successful implementation of a weed resistance management program.

To aid in the prevention of developing weeds resistant to this product, users should:

- Scout fields before application to ensure herbicides and rates will be appropriate for the weed species and weed sizes present.
- Start with a clean field, using either a burndown herbicide application or tillage.
- Control weeds early when they are relatively small (less than 4 inches) with a burndown herbicide.
- To minimize resistance, apply full labeled rates of F7436-13 herbicide.
- Scout fields after application to detect weed escapes or shifts in control of weed species.
- Control weed escapes before they reproduce by seed or proliferate vegetatively.
- Report any incidence of non-performance of this product against a particular weed to your FMC representative, local retailer, or county extension agent.
- Contact your FMC representative, crop advisor, or extension agent to find out if suspected resistant weeds to this MOA have been found in your region. If resistant biotypes of target weeds have been reported, use the application rates of this product specified for your local conditions. Tank mix products so that there are multiple effective sites of actions for each target weed.
- If resistance is suspected, treat weed escapes with an herbicide having a site of action other than Group 13 or 4 and/or use nonchemical methods to remove escapes, as practical, with the goal of preventing further seed production.
- Suspected herbicide-resistant weeds may be identified by these indicators:
 - Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
 - A spreading patch of non-controlled plants of a particular weed species; and
 - Surviving plants mixed with controlled individuals of the same species.

Additionally, users should follow as many of the following herbicide resistance management practices as is practical:

- Use a broad-spectrum soil-applied herbicide with other sites of action as a foundation in a weed control program.
- Utilize sequential applications of herbicides with alternative sites of action.
- Rotate the use of this product with non-Group 13 or 4 herbicides.
- Avoid making more than two applications of F7436-13 herbicide and any other Group 13 or 4 herbicides within a single growing season unless mixed with an herbicide with a different site of action with an overlapping spectrum for the difficult-to-control weeds.
- Incorporate non-chemical weed control practices, such as mechanical cultivation, crop rotation, cover crops and weed-free crop seeds, as part of an integrated weed control program.
- Use good agronomic principles that enhance crop development and crop competitiveness.
- Thoroughly clean plant residues from equipment before leaving fields suspected to contain resistant weeds.
- Manage weeds in and around fields, during and after harvest to reduce weed seed production.

INTEGRATED PEST MANAGEMENT

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

STORAGE AND DISPOSAL

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

Pesticide Storage

STORE ABOVE -4°F TO KEEP PRODUCT FROM FREEZING. If frozen, thaw before use. Observe recirculation directions under Mixing and Handling Instructions for Bulk/Mini-Bulk Containers.

Keep out of reach of children and animals. Store in original containers only. Store in a dry place. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC (800) 331-3148.

To confine spill: Dike surrounding area or absorb with sand, cat litter or commercial clay. Place damaged package in a holding container. Identify contents.

Pesticide Disposal

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

Container Disposal

Plastic Non-refillable Containers: Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Returnable/Refillable Sealed Containers: Refill this container with pesticide only. Do not reuse this container for any other purpose. Do not rinse container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate.

Mini-Bulk Containers: These containers are property of FMC Corporation and are returnable to FMC at FMC's discretion. These containers are provided for repackaging of **F7436-13** herbicide and should not be filled with any other product.

Bulk Drums: **F7436-13** herbicide Bulk drums are returnable to FMC Corporation for reuse when the container is completely empty. Bulk drums containing product in excess of 1 gallon cannot be accepted for return.

Container Precautions

Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices. After filling and before transporting, check for leaks. Do not refill or transport a damaged or leaking container.

* Any dealer wishing to repackage F7436-13 herbicide must comply with all Federal, State and local laws pertaining to bulk herbicide handling and possess a signed repackaging agreement from FMC Corporation.

MIXING AND HANDLING INSTRUCTIONS

Equipment Requirements:

F7436-13 herbicide is a microencapsulated herbicide and requires a diaphragm type pump in order to maintain product quality. **Do not use gear or piston-type pumps.**

The dealer/applicator must wear proper clothing listed on the F7436-13 herbicide label.

MANDATORY SPRAY DRIFT MANAGEMENT

Ground Boom Applications:

- Do not release spray at a height greater than 30 inches above the ground.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

Aerial Applications:

- Do not release spray at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Do not apply when wind speeds exceed 10 mph at the application site. If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- Do not apply during temperature inversions.

SPRAY DRIFT MANAGEMENT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

CONTROLLING DROPLET SIZE – GROUND BOOM

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

CONTROLLING DROPLET SIZE – AIRCRAFT

- Adjust Nozzles - Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT – GROUND BOOM

For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT – AIRCRAFT

Higher release heights increase the potential for spray drift.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or 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. Avoid applications during temperature inversions.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

DRIFT CONTROL ADDITIVES

Using product compatible drift control additives can reduce drift potential. When a drift control additive is used, read and carefully observe cautionary statements and all other information on the additive's label. If using an additive that increases viscosity, ensure that the nozzles and other application equipment will function properly with a viscous spray solution. Preferred drift control additives have been certified by the Council of Producers & Distributors of Agrotechnology (CPDA).

ROTATIONAL CROPPING PRECAUTIONS

Under some conditions, temporary whitening or yellowing of leaves may occur on approved rotational crops where undesirable soil residues of F7436-13 herbicide exist.

Under abnormal conditions, carryover injury to rotational crops can occur. The following factors can contribute to increased risk of injury to rotational crops:

- 1) Over-application resulting from use of worn nozzles, excessive over-lapping of spray swaths, failing to shut off spray booms when turning (end row areas), or slowing or stopping sprayer.
- 2) Soil with pH less than or equal to 5.9.
- 3) Extreme dryness in the four months following application.
- 4) Choice of rotational crop hybrid.

Additional instructions to prevent rotational crop injury may be provided in the form of service bulletins for locations where risk of injury is significantly increased due to extremely dry conditions.

Refer to Rotational Crop Instructions and Replanting Instructions of specific crops for additional crop planting information.

SPRAYER CLEANUP

Do not drain or flush equipment on or near desirable trees or other plants, or in areas where their roots may extend or in locations where the chemical may be washed or move into contact with their roots. **Do not** contaminate any body of water including irrigation water that may be used on other crops. Carefully follow sprayer clean-up instructions noted below to prevent spray tank residues from damaging other crops.

Sprayer equipment needs to be thoroughly rinsed to remove residues of herbicide that might injure other subsequently sprayed crops. The steps below need to be followed for the thorough rinsing of spray equipment following applications of F7436-13 herbicide or tank mixes of F7436-13 herbicide with other labeled products.

- 1) Drain any remaining spray solution from tank, pump, hoses and boom and discard in an approved manner (See Note that follows).
- 2) Clean tank and fittings by:
 - Thoroughly hosing down the inside walls of the spray tank with a quantity of water equal to 1/8 of the total tank capacity and operating the pump to circulate this solution through the sprayer system for 15 minutes.
 - Washing down the outside surfaces of equipment.
 - Removing nozzle tip and screen from end nozzle in each boom section and allowing several gallons of rinsate solution to flush completely through boom (collect rinsate while flushing).
- 3) Thoroughly drain remaining rinsate solution from tank, pump and hoses. Combine with boom flushing and dispose of all rinsates from this first rinsing in an approved manner (see Note that follows).
 - When switching from water dilutions to applications utilizing crop oil or liquid fertilizer as a carrier, a small volume of crop oil or liquid fertilizer needs to be flushed through the tank, pump, hoses, and boom prior to the next use. Dispose of crop oil or liquid fertilizer rinsate in an approved manner (see Note for local, state and federal guidelines).
- 4) Remove the remaining nozzle tips, and screens and the line filter and wash in a pail of warm soapy water, thoroughly rinse and replace.
- 5) Hose down the inside walls of the spray tank a second time and circulate this solution using the same procedure as noted in #2 above.
- 6) If the next use of the sprayer will be for applying a pre-emergent or preplant incorporated pesticide on any crop for which F7436-13 herbicide is registered, rinsate from this second rinsing may be utilized by diluting with the water for the next pesticide load;

HOWEVER

If the next use of the sprayer will be a post-emergence applied pesticide on any crop, drain rinsate solution from this second rinsing. Retain rinsate solution for use only with a soil incorporated pesticide to be applied on a crop for which F7436-13 herbicide is registered. Refill tank (after draining second rinsate solution) in accordance with post-emergence product label directions.

NOTE: Dispose of excess spray mixture and/or *rinsate from first tank rinsing* by application to cropland as described on this label. If excess spray mixture and/or *rinsate from first rinsing* cannot be disposed of according to label instructions, dispose of in compliance with local, state and federal guidelines. Contact your state pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA regional office for guidance.

MIXING INSTRUCTIONS

Care must be taken when mixing F7436-13 herbicide. Avoid mixing in areas adjacent to desirable plants.

Alone: Mix F7436-13 herbicide with water or liquid fertilizer in the following manner: Fill the spray tank one-half to three-fourths full with water or liquid fertilizer, add the proper amount of F7436-13 herbicide, then add the rest of the water or liquid fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform spray mixture.

Tank Mixtures: Fill spray tank one-fourth to one-third full with water; with agitator operating add the specified amount of ingredients using the following order: dry formulations (e.g., wettable powders, dry flowables) first, liquid suspensions (e.g., flowables) next and finally liquids (e.g., EC's). Mix thoroughly and fill tank one-half full continuing agitation. Add F7436-13 herbicide to tank while maintaining agitation. Complete filling the sprayer tank with water. Where use of a surfactant is specified, add as the last ingredient to the spray tank. Maintain agitation during filling, mixing and application. When using drift reducing agents, follow specific product label instructions for order of addition to spray tank.

Fertilizer Spray Mixtures: Applications of F7436-13 herbicide alone, or with specified tank mixtures, in conjunction with fertilizer solutions may be used unless use directions specifically state otherwise. Small quantities need to be tested for compatibility by the following procedure before mixing tank full quantities. In the case of tank mixes with other herbicides, it is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. If the instructions on the tank mix partner label conflict with this F7436-13 herbicide label, **do not** use in a tank mixture with F7436-13 herbicide.

APPLICATION INSTRUCTIONS

Broadcast Applications: Apply F7436-13 herbicide alone or in tank mix combinations by ground equipment using a finished spray volume of 10 to 40 gallons of water per acre, or aerially in a minimum of five gallons of water per acre. Use nozzles suitable for broadcast boom or banded application of herbicides. Coarse sprays are less likely to drift out of the target area than fine sprays. See "APPLICATION DIRECTIONS" and "BUFFER & APPLICATION RESTRICTIONS" sections for specific instructions to reduce spray drift. For F7436-13 herbicide tank mixtures with wettable powder or dry flowable formulations, nozzle screens and strainers need to be no finer than 50-mesh. In the case of tank mixes with other herbicides, it is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. If the instructions on the tank mix partner label conflict with this F7436-13 herbicide label, **do not** use in a tank mixture with F7436-13 herbicide.

F7436-13 herbicide may be used as a pre-emergent soil surface applied treatment from 30 days before planting up to the 5-leaf stage.

RICE

PRODUCT INFORMATION

F7436-13 herbicide may be utilized as a surface broadcast treatment prior to weed emergence, for the control of annual grass weeds in dry-seeded rice.



PRE-EMERGENT SURFACE BROADCAST APPLICATIONS – Dry-Seeded Rice

F7436-13 herbicide may be applied as a surface broadcast application 14 days before, during and after planting, but prior to weed emergence, using ground equipment in a minimum of 10 to 40 gallons of water per acre or by aerial application in a minimum of five gallons of water per acre at the rate of 25.6 to 51.3 fl oz product (0.5 to 1.0 lb. total active) per acre depending upon the soil texture. Refer to table below for specific rates and weeds controlled. For heavy soils use the higher specified rate, otherwise less than desirable weed control may result.

For pre-emergent broadcast treatments, refer to the directions for broadcast applications in the APPLICATION INSTRUCTIONS section.

F7436-13 Rate fl oz/A	Clomazone lb ai/A	Quinclorac lb ai/A
25.6 to 51.3	0.25 to 0.5	0.25 to 0.5

F7436-13 Herbicide Applied Alone - Single Application Pre-emergent

RATES AND WEEDS CONTROLLED

Soil Texture		Broadcast Rates Per Acre	
Coarse (light) Soils - (sand, loamy sand, sandy loam)		25.6-38.5 fl oz product (0.5 -0.75 lb total ai/A)	
Medium Soils - (loam, silt, silt loam, sandy clay, sandy clay loam)		38.5 fl oz product (0.75 lb total ai/A)	
Fine (heavy) Soils - (silty clay, clay loam, silty clay loam, clay)		51.3 fl oz product (1.0 lb total ai/A)	
F7436-13 Rate fl oz/A	Clomazone lb ai/A	Quinclorac lb ai/A	
25.6	0.25	0.25	
38.5	0.375	0.375	
51.3	0.5	0.5	

*Select lower to higher rates based on lighter to heavier soils.

*

GRASSES	
Barnyardgrass (Watergrass)	(<i>Echinochloa crus-galli</i> , <i>E. colonum</i>)
Broadleaf signalgrass	(<i>Brachiaria platyphylla</i>)
Crabgrass (Large and Smooth)	(<i>Digitaria spp.</i>)
Panicum	(<i>Panicum spp.</i>)
—Common	
—Fall	
—Texas	
Sprangletop	(<i>Leptochloa spp.</i>)
BROADLEAFS	
<u>Eclipta</u>	(<i>Eclipta alba</i>)
Jointvetches species	
—Indian	(<i>Aeschynomene indica</i>)
—Northern	(<i>Aeschynomene virginica</i>)
Hemp Sesbania	(<i>Sesbania exaltata</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 lacunose</i>)
—purple moonflower	(<i>Ipomoea muricata</i>)
—tall	(<i>Ipomoea purpurea</i>)
Water Hyssop	(<i>Bacopa rotundifolia</i>)

EARLY- to MID-POSTEMERGENT APPLICATIONS – Dry- and Water-Seeded Rice

F7436-13 herbicide may be applied after planting as an early post-emergent treatment to rice from emergence through the five leaf stage to provide post emergence and residual control of grass and broadleaf weeds. Use ground or aerial equipment with a minimum of 10-40 gallons of water per acre, refer to the "Mandatory Spray Drift" section in this label for specific instructions. Refer to table below for specific rates and weeds controlled. For larger weeds use the higher specified rate, otherwise less than desirable weed control may result.

F7436-13 Herbicide Applied Alone - Single Application
Post-emergent

RATES AND WEEDS CONTROLLED

Soil Texture		Broadcast Rates Per Acre
Coarse (light) Soils - (sand, loamy sand, sandy loam)		30.8 fl oz product (0.6 lb total ai)
Medium Soils - (loam, silt, silt loam, sandy clay, sandy clay loam)		30.8 – 41.0 fl oz product (0.6 -0.8 lb total ai)
Fine (heavy) Soils - (silty clay, clay loam, silty clay loam, clay)		41.0 – 51.3 fl oz product (0.8 - 1.0 lb total ai)
F7436-13 Rate fl oz/A	Clomazone lb ai/A	Quinclorac lb ai/A
30.8	0.3	0.3
41.0	0.4	0.4
51.3	0.5	0.5

GRASSES	
Barnyardgrass (Watergrass)	(<i>Echinochloa crus-galli</i> , <i>E. colonum</i>)
Broadleaf signalgrass	(<i>Brachiaria platyphylla</i>)
Crabgrass (Large and Smooth)	(<i>Digitaria spp.</i>)
BROADLEAFS	
Eclipta	(<i>Eclipta alba</i>)
Jointvetches species	
—Indian	(<i>Aeschynomene indica</i>)
—Northern	(<i>Aeschynomene virginica</i>)
Hemp Sesbania	(<i>Sesbania exaltata</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 lacunose</i>)
—purple moonflower	(<i>Ipomoea muricata</i>)
—tall	(<i>Ipomoea purpurea</i>)
Water Hyssop	(<i>Bacopa rotundifolia</i>)
Groundcherry	(<i>Physallis angulata</i>)

Adjuvant Use Requirements

Use adjuvant for post-emergent applications only. Use a Crop Oil Concentrate (COC) at 0.5 to 1.0% v/v (one half to one gallon per 100 gallons). Refer to the **Mixing Instructions** section of this label and the adjuvant label for tank-mixing adjuvants with F7436-13 herbicide.

SEQUENTIAL APPLICATION PROGRAM WITH COMMAND® 3ME MICROENCAPSULATED HERBICIDE

F7436-13 herbicide may be used in a sequential (split) application program with Command 3ME Microencapsulated herbicide. Command 3ME Microencapsulated herbicide may be applied as a pre-emergent surface broadcast application, followed by early post-emergent surface broadcast application of F7436-13 herbicide. Alternatively, F7436-13 herbicide may be applied as a pre-emergent surface broadcast application, followed by an early post-emergent surface broadcast application of Command 3ME Microencapsulated herbicide. Both F7436-13 and Command 3ME Microencapsulated herbicides may be applied during the same season up to the five-leaf stage for control of the above weeds according to the table below.

Restriction:

The maximum yearly clomazone application from both F7436-13 and Command 3ME Microencapsulated herbicide products is not to exceed 0.8 lb ai/A on rice per year. The maximum single application rate for quinclorac is 0.75 lbs ai/A

Soil Texture and Pre or Post-Emergent Broadcast Application Rates per Acre for Command 3ME Microencapsulated herbicide Applied Ahead of a Pre or Post-Emergent Application of F-7436-13 herbicide		Pre or Post-Emergent Broadcast Application Rates per Acre for F7436-13 Herbicide Following a Pre or Post-Emergent Application of Command 3ME Microencapsulated herbicide
Coarse (light) Soils - (sand, loamy sand, sandy loam)	Command 3ME Microencapsulated herbicide applied at 8.5 -12.8 fl oz (0.2 -0.3 lb ai clomazone)	30.8 fl oz F7436-13 herbicide (0.6 lb total ai)
Medium Soils – (loam, silt, silt loam, sandy clay, sandy clay loam)	Command 3ME Microencapsulated herbicide applied at 12.8 – 17.1 fl oz (0.3 – 0.4 lb ai clomazone)	30.8 -41.0 fl oz F7436-13 herbicide (0.6 – 0.8 lb total ai)
Fine (heavy) Soils – (silty clay, clay loam, silty clay loam, clay)	Command 3ME Microencapsulated herbicide applied at 12.8 -17.1 fl oz /A (0.3 - 0.4 lb ai clomazone)	41.0 – 51.3 fl oz F7436-13 herbicide (0.8 – 1.0 lb total ai)
F7436-13 Rate fl oz/A	Clomazone lb ai/A	Quinclorac lb ai/A
30.8	0.3	0.3
41.0	0.4	0.4
51.3	0.5	0.5

REPLANTING INSTRUCTIONS

If initial planting of rice fails to produce a uniform stand, rice may be replanted in fields treated with F7436-13 herbicide. **Do not** retreat fields with a second pre-emergent application of F7436-13 herbicide or Command 3ME Microencapsulated herbicide. When tank mixing with a labeled product, refer to the replant instructions for that product. **Do not** replant treated fields with any crop at intervals that are inconsistent with the ROTATIONAL CROP INSTRUCTIONS on the Command 3ME Microencapsulated herbicide or F7436-13 herbicide label. In the case of tank mixes with other herbicides, it is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. If the instructions on the tank mix partner label conflict with this F7436-13 herbicide label, **do not** use in a tank mixture with F7436-13 herbicide.

Partial weed control may result if levees are pulled after F7436-13 herbicide has been applied. Additional applications of labeled post-emergent herbicides may be required.

PRECAUTIONS

Application of F7436-13 herbicide to fields which have been precision leveled with deep cuts may result in rice crop injury including stand loss. Consult with rice specialists for soil amending practices which can reduce potential for herbicide injury in precision leveled fields.

Rotational Crop Restrictions

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

Minimum plant back (except for rice) is 309 days with the following exceptions:

Do not plant eggplant or tobacco for 12 months after F7436-13 herbicide application was made.

Do not plant tomatoes or carrots for 24 months after F7436-13 herbicide application was made.

Endangered Species

To determine whether your county has an endangered terrestrial plant species, consult <http://www.epa.gov/espp/usa-map.htm>. Endangered Species Bulletins may also be obtained from extension offices or state pesticide agencies. If the bulletin is not available for your specific area, check with the appropriate local state agency to determine if known populations of terrestrial endangered plants occur in the area to be treated.

Pre-harvest Interval (PHI): Do not apply F7436-13 herbicide 40 days before harvest.

RESTRICTIONS

Do not apply F7436-13 herbicide on rice fields in which concurrent crayfish or catfish farming are included in the cultural practices.

Do not use water containing F7436-13 herbicide residues from rice cultivation to irrigate other food or feed crops.

Do not apply more than 1.0 lb ai/A of F7436-13 herbicide (0.5 lb ai/A clomazone and 0.5 lb ai/A quinclorac) per year on rice..

Do not apply more than 1.0 lb ai/A of F7436-13 herbicide (0.5 lb ai/A clomazone and 0.5 lb ai/A quinclorac) in a single application.

Do not apply F7436-13 herbicide to rice that is heading.

Do not use rice straw or processing by-products (including chaff, hulls, etc.) as soil amendments or mulch for high-value crops including bedding stock, vegetable transplants, or ornamental and fruit trees.

Do not use treated rice fields for the aquaculture of edible fish and crustaceans (crayfish).

F7436-13 herbicide cannot be used to formulate or reformulate any other pesticide product.

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

Soil Restrictions

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 F7436-13 herbicide on any rice soil that does not have an impermeable hard pan to provide good water-holding capacity.

State Specific Restrictions:

In Arkansas, applications of F7436-13 herbicide within the area of one-mile west of Highway #1 to one-mile east of Highway 163 from the Craighead/Poinsett County line to the Cross/Poinsett County line are prohibited. Aerial applications in the area of Poinsett County one-mile west of Highway #1 to two-miles west of Highway #1 and one-mile east of Highway # 163 to Ditch # 10, from the Craighead/Poinsett County line to the Cross/Poinsett County line are also prohibited. Check for additional State restrictions in Arkansas by contacting the Arkansas Plant Board or a representative for specific instructions for applying F7436-13Herbicide in Arkansas.

IDENTIFICATION INFORMATION FOR PRODUCTS REFERENCED IN THIS LABEL

REGISTERED PRODUCTS REFERENCED IN THIS LABEL FOR APPLICATIONS or MENTIONED FOR OTHER REASON		
Product Name	Active Ingredient(s)	EPA Registration Number
Command® 3ME Microencapsulated Herbicide	Clomazone	279-3158

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

Notice: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. 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 manner of use or application, weather or crop conditions beyond the control of FMC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and, to the extent consistent with applicable law, Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and, to the extent permitted by applicable law, buyer assumes the risk of any such use.

To the extent consistent with applicable law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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