

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

July 13, 2023

Catherine Rice Product Registration Manager FMC Corporation 2929 Walnut Street Philadelphia, PA 19104

Subject: Registration Review Label Mitigation for Quinclorac & Sulfentrazone Product Name: F7214 Granule Concentrate Herbicide EPA Registration Number: 279-3407 Application Dates: February 24, 2022 & June 20, 2023 Decision Numbers: 582233 & 592489

Dear Catherine Rice:

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 Sulfentrazone 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.

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

Sincerely,

2.

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

Enclosure

# F7214 Granule Concentrate Herbicide

For Crabgrass and Selective Weed Control in Residential Lawns

EPA Reg. No. 279-3407

Active Ingredients: Sulfentrazone\* Quinclorac\* Other Ingredients: Total: .....

**EPA Est. XXXX** 

By Wt. 18.75% 56.25% 25.00% 100.0%



Jul 13, 2023

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 279-3407

\*F7214 Herbicide contains 0.75 pounds of active ingredient per one pound of product (0.1875 pounds a.i. of Sulfentrazone and 0.5625 pounds a.i. of Quinclorac)

## **KEEP OUT OF REACH OF CHILDREN** CAUTION

See [insert inside of box][back panel][additional panels] for additional Precautionary Statements and complete Directions For Use

FIRST AID		
IF SWALLOWED	Call a poison control center or doctor immediately for treatment advice.	
	Have person sip a glass of water if able to swallow.	
	Do not induce vomiting unless told to do so by the poison control center or doctor.	
	Do not give anything by mouth to an unconscious person.	
IF ON SKIN OR	Take off contaminated clothing.	
CLOTHING	Rinse skin immediately with plenty of water for 15-20 minutes.	
	Call a poison control center or doctor for treatment advice.	
IF IN EYES	Hold eye open and rinse slowly and gently with water for 15-20 minutes.	
	Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.	
	Call a poison control center or doctor for treatment advice.	
IF INHALED	Move person to fresh air.	
	If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.	
	Call a poison control center or doctor for further treatment advice.	
	HOTLINE NUMBER	
Have the product cor 331-3148 for emerge	ntainer or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800 ncy medical treatment information.	

For Information Regarding the Use of this Product Call 1-800-321-1FMC(1362)

## **FMC Corporation** 2929 Walnut Street Philadelphia, PA 19104

Net Contents: Three (8 gram) packets = 24 g

## PRECAUTIONARY STATEMENTS

## Hazards to Humans and Domestic Animals

## CAUTION

- Harmful if swallowed.
- Absorbed through skin.
- Avoid contact with skin or clothing.
- Causes moderate eye irritation
- When using this product, wear long-sleeved shirt, pants, shoes, socks and waterproof gloves.

After using this product:

- Rinse gloves before removing and wash hands.
- If product gets on skin, wash thoroughly with soap and water
- If product gets on clothing, remove clothing and wash thoroughly. Wash clothing before wearing again.
- User should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

#### **Environmental Hazards**

- This pesticide is toxic to marine/estuarine invertebrates.
- This product may be hazardous to plants in adjacent areas.
- To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, or surface waters.
- Applying this product in calm weather when rain is not predicted for the next 24 hours will help ensure that wind\* or rain does not blow or wash pesticide off the treatment area. \*Do not apply when wind speeds are greater than 10 mph at the application site.
- · Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems

<u>Groundwater advisory</u>: The active ingredients in this product are known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Do not use on coarse soils classified as sand which have less than 1% organic matter.

<u>Surface water advisory</u>: F7214 Granule Concentrate Herbicide can contaminate surface water through spray drift. Under some conditions, F7214 Granule Concentrate Herbicide may also have a high potential for runoff into surface water (primarily via dissolution in runoff water), for several to many months post-application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface water, frequently flooded areas, areas overlying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-lying tile drainage systems that drain to surface waters.

#### USE INFORMATION

F7214 Granule Concentrate Herbicide is a selective post-emergence herbicide absorbed by shoots, foliage and weed roots which controls listed annual grasses such as crabgrass, broadleaf weeds and annual and perennial sedges in established lawns. The product is a water dispersible granule to be diluted in water.

DIRECTIONS FOR USE	
It is a violation of Federal Law to use t	his product in a manner inconsistent with its labeling.
When to use	When crabgrass or weeds are visible, small and actively growing.
	For newly seeded grass, application can be made after second mowing.
How much to use	One packet diluted in water treats 575 sq ft. The diluted total contents of the box treat 1725 sq ft [4 packet = 8 grame part 575 sq ft aguel 4 lb total si/ $(0.25 \text{ lb suffactors app})/(1.0 \text{ J5 lb suffactors app})$
	[1 packet = 8 grams per 575 sq ft equal 1 lb total ai/A (0.25 lb sulfentrazone/A + 0.75 lbs quinclorac/A)] The maximum single application rate is 0.75 lb quinclorac per acre; one packet
	contains 0.75 lb guinclorac.
How to use	1.) Remove one packet from the box.
110 10 030	2.) Fill a clean one gallon tank sprayer with $\frac{1}{2}$ gallon of water.
	3.) Add the contents of one packet with agitation.
	4.) Finish filling the gallon sprayer with ½ gallon of water and continuous agitation.
	5.) Spot treatment: spray thoroughly to wet all undesirable listed weeds.
	6.) When finished, triple rinse the tank sprayer and use rinsate to treat weeds.
	Note: If product is left standing for extended period of time before spraying or left to stand after
	application be sure to shake well again before spraying.
	<ul> <li>Works best when adequate soil moisture is present at application. If soil is very dry, water 1-2 days before applying.</li> </ul>
For Best Results	<ul> <li>Best weed control results will be obtained when no rainfall or watering occurs within 24</li> </ul>
	hours after application.
	<ul> <li>However, if no significant rainfall or watering occurs within 7 days after application of F7214</li> </ul>
	Granule Concentrate Herbicide, then watering is recommended.
	This product may be used on seeded, sodded or sprigged lawns that are well established.
	Turfgrass injury could result from application of this product on turfgrass that is not well
	established or has been weakened by stresses such as high traffic, unfavorable weather
	conditions or disease. If turfgrass becomes injured and discolored, it will recover and
	discoloration removed by mowing.

For use on these grasses	I] F7214 Granule Concentrate Herbicide can be used as directed on the following grass types:		
	Cool Season Grasses {Turf}{Lawns}: Bentgrass, creeping (Agrostis spp.) Bluegrass, Kentucky (Poa pratensis) Bluegrass, Rough (Poa trivialis) Fine Fescue, Fescue, tall (Festuca arundinacea) Ryegrass, perennial (Lolium perenne)		
	Warm Season Grasses {Turf}{Lawns}: Bermudagrass (Cynodon dactylon) & hybrids Buffalograss (Buchloe dactyloides) Centipedegrass (Eremochloa ophuiroides) Seashore Paspalum (Paspalum vaginaum) Zoysiagrass (Zoysia japonica)		
Restrictions	<ul> <li>Avoid mist and spray onto vegetables, ornamentals, flowers, shrubs, trees, and other desirable plants especially plants belonging to the Solanaceae Family such as tomatoes, eggplants, and bell peppers.</li> <li>Do not exceed one application per year.</li> <li>Do not apply product in a way that will contact people or pets, either directly or by spray drift. Keep people and pets off treated areas until completely dried.</li> <li>Do not treat pastures, rangeland, or other areas grazed or harvested for livestock forage or hay.</li> <li>Do not apply this product through any type of irrigation system.</li> <li>Do not use on turfgrasses other than those listed on this label. Do not use on St. Augustinegrass.</li> <li>Do not apply to turfgrasses under stress.</li> <li>Do not apply with surfactants.</li> <li>Do not apply with surfactants.</li> <li>Do not apply with hose-end applicators.</li> </ul>		
	To avoid injuring or killing desirable plants: <b>Do not</b> apply directly to landscape ornamentals or ornamental beds. <b>Do not</b> allow spray drift to contact landscape ornamentals, shrubs and trees. <b>Do not</b> use clippings as mulch or compost around flowers, ornamentals, trees or in vegetable gardens.		

## **Optional Quick Reference Chart**

PRODUCT USAGE		
Kills	Listed annual grasses, broadleaf weeds and annual and perennial sedges i established lawns {grasses}{turf}	
Use On	Cool Season Lawns {Grasses}{Turf}: Bentgrass (creeping), Bluegrass (Kentucky and Rough), Fescue (Fine and Tall) and Perennial Rye	
	Warm Season Lawns {Grasses}{Turf}: Bermudagrass (Common and Hybrid), Buffalograss, Centipedegrass, Seashore Paspalum and Zoysiagrass. Do not use on St. Augustinegrass.	
Amount to Use	Mount to Use One packet diluted in water treats 575 sq ft. The diluted total contents of box treats 1725 sq ft	
When to Use	When crabgrass or listed weeds are visible, small and actively growing.	
	For newly seeded grass, application can be made after second mowing.	

#### Weeds Controlled or Suppressed by F7214 Granule Concentrate Herbicide

Common Name	Scientific Name	Controlled	Suppressed
Bittercress	(Cardamine spp.)		Х
Barnyardgrass	(Echinochloa crusgalli)	1	
Black medic	(Medicago lupulina)	1	
Buttercups	(Ranunculus spp.)		Х
Carolina geranium	(Geranium carolinianum)	1	
Carpetweed	(Mollugo verticillata)		Х
Chickweed, common	(Stellaria media)	1	
Chickweed, mousear	(Cerastium vulgatum)		X
Cinquefoil	(Potentilla spp.)		Х
Clover	(Trifolium spp.)	1	
Crabgrass (Large and Smooth)	(Digitaria spp.)	1	
Cudweed	(Gnaphalium spp.)		Х
Deergrass	(Panicum cladestinum)	1	
Dallisgrass	(Paspalum dilatatum)		Х
Dandelion	(Taraxacum officinale)	1	
Dock, Curly	(Rumex crispus)		Х
Dollar Weed	(Hydrocotyle spp.)	1	
Evening primrose	(Oenothera biennis)		Х
Fiddleneck	(Amsinckia spp.)		Х

(Setaria spp) (Solidago spp.) (Eleusine indica) (Glechema hederacea)	1 1	
(Eleusine indica)	-	
/		
(Glechema hederacea)	2	
	1	
(Lamium amplexicaule)		Х
(Polygonum aviculare)		V
, <b>, , , , , , , , , , , , , , , , , , </b>		X
(Kochia scoparia)	1	
(Chenopodium album)		X
(Soliva pterosperma)		Х
(Lespedeza striata)		X
(Sisybrium irio)	1	
(Malva neglecta)		Х
	1	
	1	
(Alchemilla arvensis)	1	
(Amaranthus		
retroflexus)	1	
(Amaranthus albus)	1	
(Matricaria		V
matricarioides)		X
(Plantago major)	1	
(Plantago lanceolata)	1	
(Tribulus terrestris)		Х
(Portulaca oleracea)		Х
(Richardia scabra)	1	
(Melochia corchorifolia)		Х
( Brachiaria platyphylla)	1	
(Polygonum pensylvanicum)	1	
(Rumex acetosella)		Х
(Veronica spp.)	1	
(Euphorbia spp.)	1	
(Euphorbia humistrata)	1	
(Euphorbia maculata)	1	
(Ornithogalum umbellatum)	1	
(Panicum repens L.)		Х
		X
(Viola pratincola)	1	
(Allium vineale)		Х
		Х
(Oxalis corniculata)		Х
	(Chenopodium album)(Soliva pterosperma)(Lespedeza striata)(Lespedeza striata)(Malva neglecta)(Ipomea spp.)(Qperus esculentus)(Alchemilla arvensis)(Alchemilla arvensis)(Amaranthus retroflexus)(Amaranthus albus)(Matricaria matricarioides)(Plantago major)(Plantago lanceolata)(Tribulus terrestris)(Portulaca oleracea)(Richardia scabra)(Melochia corchorifolia)(Brachiaria platyphylla)(Polygonum pensylvanicum)(Rumex acetosella)(Veronica spp.)(Euphorbia tapp.)(Euphorbia maculata)(Ornithogalum umbellatum)(Panicum repens L.)(Allium vineale)(Allium canadense)	(Chenopodium album)(Soliva pterosperma)(Lespedeza striata)(Lespedeza striata)(Ipomea spp.)1(Ipomea spp.)1(Cyperus esculentus)1(Achemilla arvensis)1(Amaranthus1(Matricariamatricarioides)(Plantago major)1(Portulaca oleracea)(Richardia scabra)1(Melochia corchorifolia)(Brachiaria platyphylla)1(Polygonum1(Porbia spp.)1(Euphorbia humistrata)1(Drithogalum1(Panicum repens L.)(Abuilon theophrasti)(Viola pratincola)1(Allium vineale)(Allium vineale)(Oxalis corniculata)

1. Weeds are suppressed at rates lower than 1 packet per 575 sq. ft. For optimum control apply rates of 1 packet per 575 sq. ft. Do not exceed 1 packet per 575 sq. ft. in a single application. The maximum single application rate is 0.75 lb quinclorac per acre; one packet contains 0.75 lb quinclorac.

2. F7214 Granule Concentrate Herbicide controls goosegrass when applied postemergent to newly emerged weeds in the 1-4 leaf stage of development.

#### POSTEMERGENCE CONTROL OF ANNUAL AND PERENNIAL SEDGES

Yellow nutsedge (*Cyperus esculentus*) is the most susceptible sedge species. Good spray coverage is needed for optimum control of sedges.

#### Sedge species controlled or suppressed by F7214 Granule Concentrate Herbicide

Common Name	SCIENTIFIC NAME
Kyllinga, green	(Kyllinga brevifolia)
Kyllinga, false green	(Kyllinga gracillima)
Nutsedge, purple	(Cyperus rotundus)
Nutsedge, yellow	(Cyperus esculentus)
Sedge, globe	(Cyperus globulosus)
Sedge, cylindric	(Cyperus retrorsus)
Sedge, Surinam	(Cyperus surinamensis)
Sedge, Texas	(Cyperus polystachyos)

## [Optional formatting of Weed Charts]

#### POSTEMERGENCE CONTROL OF ANNUAL GRASSES, BROADLEAF WEEDS AND SEDGES Weeds Controlled or Suppressed:

Barnyardgrass, Black Medic, Carolina geranium, Chickweed (common and mousear), Clover, Crabgrass (large and smooth), Curlydock, Deergrass, Dallisgrass, Dandelion, Dollar Weed, Foxtail, Goldenrod, Goosegrass, Ground Ivy, Henbit, Kochia, Kyllinga (green and false green), London Rocket, Morningglory, Nutsedge (purple and yellow), Parsley piert, Pigweed (redroot and tumble), Plantain (broadleaf and buckhorn), Purslane (common), Pusley, Sedges (globe, cylindric, Surinam and Texas), Signalgrass (broadleaf), Smartweed (Pennsylvannia), Speedwell, Spurge (annuals, prostrate and spotted), Star of Bethlehem, Violet (wild), Wild garlic, Wild Onion, and Woodsorrel (creeping and yellow)

## STORAGE AND DISPOSAL

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

#### Pesticide Storage

Store product in original container only, away from other pesticides, fertilizer, food or feed.

Store in a cool, dry place and avoid excess heat.

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

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

#### Pesticide Disposal

If product 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. Never pour unused pesticides down a drain.

#### Container Disposal

Non-refillable container. Do not reuse this container. Offer for recycling if available or place in trash.

#### 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 or FMC or Seller. All such risks shall be assumed by Buyer and User, and 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 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.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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## Optional Warranty Statement: WARRANTY- CONDITIONS OF SALE

RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather conditions, mixtures with other chemicals and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

#### OR

**NOTICE:** Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

#### **Optional Claims**

Controls annual grasses, broadleaf weeds and sedges in established turf {lawns} Effective on listed broadleaf and grassy weeds Kills listed grassy weeds Kills crabgrass plus sedges and broadleaf weeds Post-emergent control of grass and broadleaf weeds and of annual and perennial sedges Controls yellow sedge up to 60 days. Selective Post-emergence herbicide Water Dispersible Granule Granule Concentrate Mix with water Add water Dissolve in water

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Note to Reviewer: Text in brackets is optional] Dilute in water Kills {on}{by} contact Kills {weed} on contact Kills Crabgrass plus other listed weeds - not the lawn Kills weeds at the roots Effective control of Crabgrass {, clover and violet} Excellent {Outstanding} control of Crabgrass Kills clover and violet Excellent {Outstanding} control of Crabgrass, Clover and Violet Outstanding Crabgrass killer Triple Killing Action {Absorbed by shoots, foliage and roots} Absorbed by shoots, foliage and roots for a {complete} fast kill Kills tough weeds Kills hard to kill weeds Apply when weeds are small and actively growing Effectively kills Crabgrass Effectively kills Crabgrass at all stages of growth Effectively kills all stages of Crabgrass Rainproof after 24 hours Kills Crabgrass and tough listed weeds in Northern and Southern lawns For use on Cool and Warm Season Grasses {turf}{lawns} One packet covers 575 sq ft Covers 575 sq ft Mix with 1 gallon of water in tank sprayer Granule Concentrate- {Add}{Mix} with water Easy to use Packets- {dissolve in}{mix with} water Kills Crabgrass plus listed sedges Kills Crabgrass, Dallisgrass, and other listed annual grassy weeds Kills Crabgrass, Clover, Chickweed, Plantain and other listed weeds and sedges Spot treatment {selective post-emergent herbicide} Spot treat{er} Spot treater for Crabgrass For Selective Post-emergent Weed Control

Step 1- Dissolve 1 packet per gallon of water Step 2- Use tank sprayer to apply

1 Packet=1 Gallon

Makes 3 Gallons Contains 3 packs or packets 3 packet(s) Kills Crabgrass, Clover, Plantain, Chickweed and other listed weeds and sedges.