

SULFENTRAZONE	GROUP	14	HERBICIDE
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FIFRA 24(c) Special Local Need Label
EPA SLN No.: IN-240001 EPA Reg. No. 279-3220
FOR DISTRIBUTION AND USE ONLY IN INDIANA

**SPARTAN 4F Herbicide for Use on Mint as a Renovation Application
(For post harvest use after cuttings) to Control Broadleaf Weeds**

This label for SPARTAN 4F Herbicide expires and must not be distributed or used in accordance with this SLN registration after December 31, 2025.

Active Ingredient:	
Sulfentrazone:	39.6%
Other Ingredients:	60.4%

Contains 4 lbs of Active Ingredient per gallon.

**CAUTION
KEEP OUT OF REACH OF CHILDREN**

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.)

Environmental Hazards

This pesticide is toxic to marine/estuarine invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to terrestrial and aquatic plants in neighboring areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

Groundwater advisory: This chemical is 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.**

Surface water advisory: Sulfentrazone can contaminate surface water through spray drift. Under some conditions, Sulfentrazone 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 waters, 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.

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FMC
FMC Corporation
2929 Walnut St.
Philadelphia, PA 19104
215-299-6000

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Labeling includes, but is not limited to, this SLN label and the container label, attached to the product.

This labeling must be in the possession of the user at the time of pesticide application. Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on this SLN label and the container label.

SPARTAN 4F Herbicide Use Rate Table (Mint) Preemergence Applications			
Broadcast Rate	fl oz/A SPARTAN 4F HERBICIDE		
	Soil Texture		
% Organic Matter	Coarse	Medium	Fine
<1.5%	4.5 – 6.0	6.0 – 8.0	8.0
1.5 - 3.0 %	6.0 – 8.0	8.0 – 10.1	10.1
3.0+ %	8.0 – 10.1	10.1 – 12.0	12

Refer to the SOIL CLASSIFICATION CHART section on the container label for information on soil texture and the influence of soil type, organic matter, and pH on use rates and crop response. Use higher rates for soils of pH less than 7.0 and lower rates for pH greater than 7.0 within the rate range.

Renovation (For post harvest use after cuttings)

After cutting and removing mint from the field, a renovation application of SPARTAN 4F Herbicide may be broadcast-applied at 4 fl oz/A (0.125 lb ai/A). If a dormant application of SPARTAN 4F Herbicide was previously applied, the renovation application must occur at least 100 days after the dormant application. The dormant application must use the appropriate SPARTAN 4F Herbicide rate for the soil type and percent organic matter, as specified above, but must not exceed 8 fl oz/A (0.25 lb ai/A). Do not make more than two applications per year. Application intervals should be no shorter than 100 days with the last application at least 55 days before harvest. Apply a minimum of 10 gallons of finished spray per acre by ground.

When applied according to directions, SPARTAN 4F will provide control of:

Amaranth, powell	Nutsedge, yellow
Bedstraw, catchweed	Pigweed, redroot
Chamonile, mayweed	Shepherdspurse
Kochia (ALS and Triazine Resistant)	Toadflax, yellow
Lambsquarter, common	Thistle, Russian
Morningglory, ivyleaf	Waterhemp, common
Nightshade, Eastern black	Waterhemp, tall

Precautions

Apply SPARTAN 4F Herbicide only before new mint growth emerges. Applications made to mint that has emerged will result in severe injury to exposed plant tissue.

Apply only to healthy mint fields. Applications to mint under stress from disease, pests and/or cultural or environmental conditions may result in crop injury.

Moisture in the form of rainfall or overhead irrigation is required after application to activate the herbicide.

After spraying SPARTAN 4F Herbicide and before using sprayer equipment for any other application, the sprayer must be thoroughly cleaned using the procedure on the container label. Failure to remove even

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small amounts of SPARTAN 4F Herbicide from application equipment may result in injury to subsequently sprayed crops.

These Crop Specific Use directions are based upon the interactive effects of SPARTAN 4F Herbicide (sulfentrazone) and the primary soil and environmental factors, which affect its activity on various weed species and tolerance among crops. The user is required to observe the instructions and guidance previously presented under Application Instructions, SPARTAN 4F Herbicide Product Use Rates, Rotational Crop Guidelines, Replanting Instructions, Weeds Controlled and any other section of the container label pertinent to the anticipated crop use. It is important to note that not all varieties or cultivars of a given crop species have been evaluated under treatment with SPARTAN 4F Herbicide. Consult university or extension weed management specialists for additional information on specific local varieties or cultivars and any other pertinent information on SPARTAN 4F Herbicide under specific local conditions.

Restrictions

- Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.
- Do not use on soils classified as sand, which have less than 1% organic matter.
- Do not apply by air.
- Do not make renovation applications via chemigation.
- Do not apply more than 12 fl oz/A (0.375 lb ai/A) per twelve-month period. The total allowed usage per 12-month period includes all applications made to the field per 12-month interval. This includes dormant, new planting, and renovation applications. The 12-month period is considered to begin upon the initial SPARTAN 4F Herbicide application.
- Do not harvest mint less than 55 days after a renovation application.
- This product may not be mixed or loaded within 50 feet of any wells, including abandoned wells and drainage wells, sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing and loading areas. Refer to information on the container label pertaining to impervious pads and diked mixing and loading areas. Product must be used in a manner that will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures or rinsates.

Indiana Endangered Species Advisory: SPARTAN 4F Herbicide should not be used under this SLN label where adverse impact on threatened or endangered species is likely. Consult the container label for additional restrictions and precautions to protect non-target organisms.

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Label Code R 4779 050724 02-14-24

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