

SULFENTRAZONE

GROUP

14

HERBICIDE

**SPARTAN**<sup>®</sup>  
  
**4F**  
 HERBICIDE

## FIFRA 24(c) Special Local Need Label

EPA SLN No.: MI-240001  
 EPA Reg. No. 279-3220

FOR DISTRIBUTION AND USE  
 ONLY IN MICHIGAN

This label for SPARTAN 4F herbicide is valid until December 31, 2025 or until withdrawn, canceled or suspended.

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING. ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE EPA REGISTERED LABEL MUST BE FOLLOWED.

THE SPARTAN 4F SECTION 3 LABEL AND THESE USE DIRECTIONS MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF PESTICIDE APPLICATION.

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

### 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 too 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.

24(c) Registrant:

**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.

This FIFRA Section 24(c) SLN label and the label for the federally registered product, EPA Reg. No. 279-3220, must be in the possession of the user at the time of pesticide application. Read this entire label and the entire label for SPARTAN 4F herbicide. Follow all directions, restrictions, and precautions on this label and all the applicable requirements on the label for SPARTAN 4F herbicide, including Worker Protection Standard requirements.

### 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. These requirements 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.**

Personal Protective Equipment (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 over long-sleeved shirt and long pants, Chemical-resistant gloves made of any waterproof material and Shoes plus socks.

**SPARTAN 4F Herbicide Use Rate Table (Mint)  
For Dormant, New Planting and Dormant 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

### Dormant Applications

Apply SPARTAN 4F to established stands of dormant mint after post harvest and/or spring land cultivation has been completed and before emergence of new mint growth.

Split applications of SPARTAN 4F may be used for preemergence sequential control of winter annuals and summer annuals. Fall applications must be applied after post harvest cultivation has been completed and spring application made after spring cultivation has been completed and before emergence of new mint growth.

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Apply SPARTAN 4F in tank-mixtures with a registered burndown herbicide to control emerged weeds at the time of application. A federally approved surfactant is recommended with these tank mixtures to improve control of the emerged weeds.

SPARTAN 4F may also be applied in tank mixtures with other products registered for use in mint. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

### **New Planting Applications**

SPARTAN 4F may be applied to new mint plantings preemergence to the weeds and mint. The rate of application should be reduced approximately twenty five percent of the rate listed for established plantings for particular soil characteristics. Refer to SPARTAN 4F Use Rate Table above for the appropriate use rate for the soil type and organic matter content. The higher rates in the range are recommended for soils of pH less than 7.0.

### **Renovation (For use between cuttings and post-harvest)**

For the first application, apply the appropriate rate for the soil type and organic matter as specified by above, not to exceed 8 fl oz/A of SPARTAN 4F Herbicide (0.25 lb ai/A) as a broadcast application to the soil at dormancy to control various broadleaf weeds and grasses. At a minimum of 100 days after the first application, mow/cut the mint and remove mint from the field within 1-3 days after cutting. After removing the mint, a second broadcast application may be made at 4 fl oz/A of SPARTAN 4F Herbicide (0.125 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.

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

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

### **Precautions**

Dormant and New Planting: Apply SPARTAN 4F Herbicide only to dormant mint, post-harvest (renovation), or new mint plantings before new 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 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.

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 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.

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**Restrictions**

- Do not use on soils classified as sand, which have less than 1% organic matter.
- Do not apply by air.
- Do not apply more than 12 fl oz/A (0.375 lb ai/A) per twelve-month period.
- The twelve-month period is considered to begin upon the initial SPARTAN 4F Herbicide application.
- PHI is 92 days for dormant and new planting applications.
- PHI is 55 days for renovation applications.

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