

# Spartan® Herbicide

**Section 18  
Emergency Exemption**

**FOR DISTRIBUTION  
AND USE ONLY IN  
WASHINGTON STATE**

**For Agricultural or Commercial Use Only**  
EPA File Symbol 03-WA-20

**EMERGENCY CALLS: 800-331-3148**

**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN  
A MANNER INCONSISTENT WITH ITS LABELING**

**THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF APPLICATION.**

**Chickpeas may be treated in Adams, Asotin, Benton, Columbia, Franklin, Garfield, Grant, Kittitas, Klickitat, Lincoln, Okanogan, Pend Oreille, Spokane, Stevens, Walla Walla, and Whitman counties.  
Expiration Date June 20, 2003**

<b>Crop</b>	<b>Weeds Controlled</b>	<b>Rate of Application</b>
<b>Chickpeas</b>	<b>Russian thistle</b>	<b>2 to 5.33 ounces per acre 0.094 to 0.25 lb ai per acre</b>

**DIRECTIONS FOR USE:**

Apply Spartan Herbicide on conventional tillage or conservation tillage cropping systems using rates recommended in the use rate chart below. Apply in a minimum of 10 gallons per acre of water by ground application. One application of Spartan may be made up to 30 days prior to planting until three days after planting. If Spartan is applied 14 to 30 days prior to planting use the higher rate in the appropriate rate range for your soil type. Incorporation is not recommended.

<b>Organic Matter Content</b>	<b>Soil Type</b>		<b>Rate oz per acre (lb ai per acre)</b>			
	<b>Coarse</b>		<b>Medium</b>	<b>Fine</b>		
Less than 1.5 %	2.0 to 2.7	(0.094 to 0.125)	2.7 to 3.0	(0.125 to 0.141)	2.7 to 3.0	(0.125 to 0.141)
1.5 to 3.0 %	2.7 to 3.0	(0.125 to 0.141)	3.0 to 4.0	(0.141 to 0.188)	3.0 to 4.0	(0.141 to 0.188)
Greater than 3 %	3.0 to 4.0	(0.141 to 0.188)	4.0 to 5.3	(0.188 to 0.250)	4.0 to 5.3	(0.188 to 0.250)
	sand, loamy sand, sandy loam		loam, silt loam, silt		silty clay loam, sandy clay loam, silty clay, sandy clay, clay loam, clay	

**PRECAUTION:**

Do not use on coarse soils classified as sand that have less than 1.0 % organic matter.

Some adverse crop response may occur on coarse textured soils with low organic matter (less than 1.5 percent) and pH of 7.8 or higher, or on highly eroded areas, particularly exposed calcareous outcroppings, within fields or medium or fine-textured soils. Risk of adverse crop response may be lessened by reducing Spartan Herbicide use rate on those areas.

Inadequate furrow closure will result in exposure to the herbicide, and may result in an undesirable crop response.

Poor growing conditions such as excessive moisture, cool temperatures, and soil compaction or the presence of various pathogens may impact seedling vigor. Under these conditions the active ingredient in Spartan Herbicide, like other soil applied herbicides, can injure dry bean or peas. However, these early symptoms most often are of short duration and do not result in yield reduction.

After spraying Spartan Herbicide and before using sprayer equipment for any other application, the sprayer must be thoroughly cleaned using the procedure on the EPA label. Failure to remove even small amounts of Spartan Herbicide from application equipment may result in injury to subsequent sprayed crops.

**ROTATIONAL GUIDELINES:**

Long rotational periods are recommended for some crops following applications of Spartan Herbicide. Refer to the EPA label for specific guidelines.

03-WA-20 EPA Reg. No. 279-3189

FMC Corporation  
Agriculture Products Group  
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Philadelphia, PA 19103

Spartan\_18\_WA\_chickpea\_5-15-2003



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# Spartan® Herbicide

## **GENERAL INFORMATION:**

Spartan Herbicide is a selective soil-applied herbicide for the control of certain broadleaf weeds, grasses and sedges. Spartan Herbicide is a dry flowable formulation containing 75 percent active ingredient, sulfentrazone.

The mode of action of Spartan Herbicide involves uptake by weed roots and shoots. Preemergence applications of Spartan Herbicide require rainfall or irrigation to activate the herbicide. The amount of rainfall or irrigation required for activation following application depends on existing soil moisture, organic matter content and soil texture. If adequate moisture of 0.5 to 1 inch is not received within 7 to 10 days after the application of Spartan Herbicide, a shallow cultivation may be needed to obtain desired weed control.

## **RESTRICTIONS:**

Do not exceed 5.3 ounces, 0.25 lb ai, per acre per application. Do not make more than one application per season.

Do not apply within 80 days of harvest.

Observe the restricted entry interval of 12 hours. Follow PPE guidelines on the EPA label.

Application by air or through any type of irrigation system (ie chemigation) is prohibited.

Do not use flood irrigation to incorporate this product.

Do not apply to soils classified as sand with less than 1.0 percent organic matter.

Do not apply to saturated soils. If soil is approaching saturation, avoid application when heavy rainfall is predicted to occur within 24 hours following planned application

This product is toxic to marine and estuarine invertebrates. Do not apply directly to water or wetlands, 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.

## **ENDANGERED SPECIES PROTECTION REQUIREMENT**

To protect listed threatened or endangered (T/E) plant species, one of the following options must be followed:

1. Apply only when there is sustained wind away from native plant communities,
2. Leave a 25 foot untreated buffer between treatment area and native plant communities, or
3. Use low pressure nozzles according to manufacturer's specifications that produce only coarse or very coarse droplets.

## **SPECIAL PRECAUTIONS:**

**Proper Handling Instructions:** 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. See guidelines on the EPA label pertaining to impervious pads and diked mixing and loading areas. The 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.

**Groundwater Advisory:** Sulfentrazone 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 that have less than 1.0 percent 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.

## **CONDITIONS OF USE:**

FMC Corporation intends that this Section 18 label be distributed only to end users and/or growers and/or applicators acting on behalf of growers who agree that FMC would not be held responsible for failure to perform and/or any crop damage from use of Spartan Herbicide in chickpeas. If such terms and conditions are unacceptable, FMC requests the return of Spartan Herbicide at once unopened. FMC considers the user to have accepted such terms and conditions upon use of this product.

**ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE EPA REGISTERED SPARTAN HERBICIDE (EPA Reg. No. 279-3189) AND THE EMERGENCY EXEMPTION SUPPLEMENTAL LABEL MUST BE FOLLOWED.**

**THE WASHINGTON DEPARTMENT OF AGRICULTURE MUST BE INFORMED OF ANY ADVERSE EFFECTS, WHICH MAY RESULT FROM THE USE OF THIS PRODUCT.**