

# 24(c) LABEL FOR USE ON COWPEAS

## FOR USE IN THE STATE OF ARKANSAS

Valid only in the following Arkansas counties: Conway, Crawford, Franklin, Independence, Jackson, Lawrence, Lee, Logan, Lonoke, Pulaski, Sebastian, Washington, and Woodruff.

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH IT LABELING. ALL APPLICABLE DIRECTIONS, RESTRICTIONS, AND PRECAUTIONS ON THE EPA REGISTERED SPARTAN 4F LABEL (EPA Registration No 279-3220) MUST BE FOLLOWED.



## 4F HERBICIDE

For Agricultural or Commercial Use Only

EPA Reg. No. 279-3220  
EPA SLN No. AR-07-0008

### Active Ingredient: By Wt.

Sulfentrazone\* ..... 75.0%  
Inert Ingredients: ..... 25.0%  
100.0%

\* N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide  
Contains 0.75 pounds of active ingredient per pound formulated.  
U.S. Patent No. 4,818,275

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

### 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.



FMC Corporation  
Agricultural Products Group  
Philadelphia PA 19103

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## COWPEAS

Table 1

Spartan 4F Use Rate Table			
Pre-Plant and Preemergence Applications			
Broadcast Rate	Ounces Spartan 4F per acre		
	Soil Texture		
% Organic Matter	Coarse	Medium	Fine
<1.0%	2.25 – 3.0	3.0 – 4.5	3.0 – 4.5
1.0-3.0 %	3.0 – 4.5.0	3.75 – 6.0	4.5 – 6.0
>3.0 %	3.75 – 6.0	4.5 – 6.0	5.25 – 6.0

Refer to the previous information on soil types under the COARSE, MEDIUM, and FINE categories  
Use higher rates for soils of pH less than 7.0 and lower rates for pH greater than 7.0 within the rate range.

### Preemergence (Spring Applications)

Spartan 4F may be applied to cowpeas as a preemergence treatment at 6.0 ounces (0.1875 pounds active) per acre. Applications should be made with ground equipment in a minimum of 10 gallons of finished spray per acre. Spartan 4F can be applied early preplant prior to planting up to 3 days after planting as a preemerge soil application if seedlings have not broken the soil surface and if the seed furrow is completely closed. For preemerge applications greater than 3 weeks prior to planting, use the high rate within the appropriate rate range for the soil and organic matter type listed in the use rate chart above Table 1. Spartan 4F can be tank mixed with other preemerge herbicides labeled for cowpeas. If dry conditions persist following preemerge application of Spartan 4F, a shallow incorporation may be needed to incorporate and activate the herbicide. If weeds are emerged at the time of Spartan 4F application, use a burndown herbicide at the full-labeled rate in combination with Spartan 4F or split application as needed.

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

ALS Resistant Pigweeds  
Hophornbeam  
Copperleaf

### Precautions

These Crop Specific Use directions are based upon the interactive effects of Spartan 4F (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 General Application Instructions, General Spartan 4F Product Use Rates, Rotational Crop Guidelines, Replanting Instructions, Weed Controlled and any other section of this 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. Consult university or extension weed management specialists for additional information on specific local varieties or cultivars and any other pertinent information on Spartan 4F under specific local conditions.

### Restrictions

Do not apply more than 6.0 oz (0.1875 pound active) total per twelve-month period. The twelve-month period is considered to begin upon the initial Spartan application.

Do not apply after crop emerges, or if the seedling is close to the soil surface.

Do not apply to coarse soils classified as sand, which have less than 1% organic matter.

**Dealers Should Sell in Original Packages Only.**

**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 should 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. 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.

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