

TECHNICAL FACT SHEET

Single pass solution for sedge, grass and broadleaf weed control

Zone 4F[®] herbicide is a grower's best defense for controlling tough sedge, grass and broadleaf weeds like nutsedge, nightshade, kochia, pigweed and lambsquarters.

An ideal management tool when targeting glyphosate, imidazolinones and ALS-resistant weed species, Zone 4F provides long-lasting residual in addition to creating a barrier in the soil to control late-emerging flushes.

Product Specifications

Brand Name	Zone 4F [®]
Category	Herbicide
Active Ingredient	Sulfentrazone
Crops	Citrus, soybeans, tree nuts, vegetables, vines
Site of Action	Group 14
Formulation	Suspension concentrate
AI/Gallon	Sulfentrazone 4 lbs a.i./g
Applications	Preplant / PPI / Preemergence / Burndown
Rates	4.0 - 12 fl oz/A (See label for rates by crop)
Weed Spectrum	Sedge, broadleaf & grass species
Signal Word	Caution



CITRUS



SOYBEANS



TREE NUTS



VEGETABLES

Primary Weeds Controlled (or suppressed)

Amaranth species, Annual sedge, Bristly starbur, Carpetweed, Catchweed, Chamomile mayweed, Chickweed, Coffee senna, Crabgrass, Curly dock, Cypress hedgehog, Devil's claw, Eclipta, Fall panicum, Flixweed, Goosegrass, Groundcherry (clammy, cutleaf), Hairy galinsoga, Jimsonweed, Kochia (ALS, triazine resistant), Kyllinga species, Ladythumb, Lambsquarters, Mallow, Miners lettuce, Morningglory species, Nightshade (black, eastern black), Nutsedge (purple, yellow), Orchardgrass, Palmer amaranth, Pigweed (redroot, smooth), Plantain (blackseed, narrow-leaved), Poorjoe, Porophyllum, Prickly sida/Teaweed, Purslane, Redmaids, Redstem filaree, Red tassleflower, Redweed, Russian thistle, Sedge species, Shepherd's purse, Smartweed (Pennsylvania), Smellmellon, Southern sida, Stinkgrass, Tumble mustard, Waterhemp (common, tall), Wild poinsettia, Winged waterprimrose, Witchgrass, Woolly cupgrass, Yellow toadflax

ZONE 4F®

REI	12 hours	CROPS	Asparagus	Flax	Succulent peas	SEDGES CONTROLLED (or suppressed)	Green Kyllinga	Annual Sedge
PHI	See label by crop		Berries (small)	Garbanzo beans	Sugarcane		False Green Kyllinga	Cylindric Sedge
Restricted Use	No		Cabbage	Horseradish	Sunflowers		Purple Nutsedge	Globe Sedge
Packaging	2 x 2.5 gal 270 gal tote		Chick peas	Mint	Tobacco		Yellow Nutsedge	Surinam Sedge
EPA #	74530-63		Citrus	Soybeans	Tree nuts			Texas Sedge
		Cowpeas	Strawberries	Vegetables				
		Dry beans	Succulent beans	Vine crops				

See label for complete weed control list.

APPLICATION RATES AND GUIDELINES

Application Rates: Zone 4F use rate varies by crop, soil type and pH. See label for details and instructions by crop.

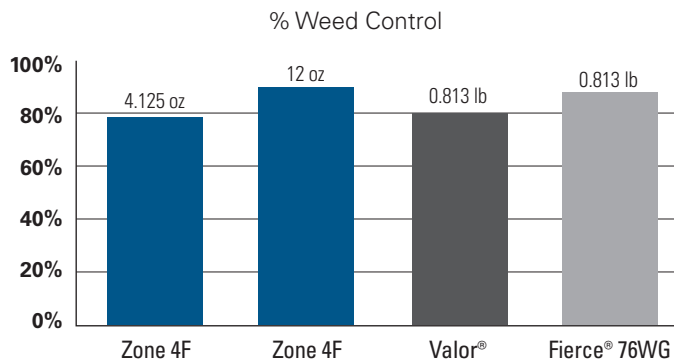
Use Patterns: Zone 4F can be used preplant incorporated, surface-applied preemergence, and as a post-plant treatment (over-the-top/layby) in various crops.

Product Activation: Precipitation of 0.5 to 1 inch is required for activation within 7 to 10 days after application. Shallow incorporation may be needed to obtain desired weed control.

Tank Mixing: Zone 4F may be applied impregnated on dry fertilizers or with liquid fertilizer, and in combination with pre- and post burndown herbicides. DO NOT tank mix with products containing sulfentrazone.

ZONE 4F vs STANDARDS

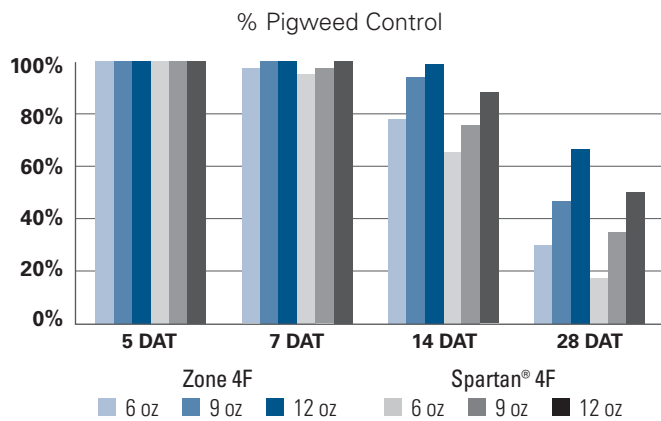
Preemergence Weed Control in Soybeans



Illinois and Tennessee. 37 observations.

ZONE 4F vs SPARTAN® 4F

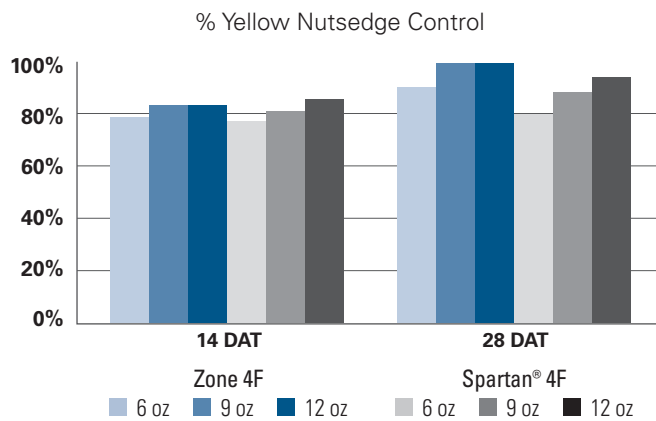
Preemergence Weed Control in Tobacco



South Carolina. Application: June 15, 2016.

ZONE 4F vs SPARTAN® 4F

Preemergence Weed Control in Tobacco



South Carolina. Application: June 15, 2016.



For more information, visit helmagro.com.

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