

SUPREND™, A POST DIRECTED HERBICIDE FOR COTTON
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Abstract

Suprend™ is a new post-directed herbicide for use in Cotton developed by Syngenta Crop Protection. Suprend™ is a pre mix of Trifloxysulfuron sodium and Prometryn, formulated as an 80 WG in a 1:112 ratio. Use rates will be 1 to 1.5 pounds of formulated product per acre. Do not apply more than 2.65 pounds of formulated product per year nor do not apply 60 days before harvest. Suprend™ is expected to be available for the 2003 cotton use season.

Suprend™ can be used in all picker cotton varieties from across a large section of the southern cotton growing areas, including the Southeast, Mid-South as well as portions of Texas. Applications can be made post directed to lay by timings beginning in cotton as small as 8 inches in height.

Suprend™ contains two herbicide modes of action that aids weed control as well as provide sound glyphosate resistance management. Importantly, Suprend™ also exhibits excellent residual weed control in this crop. Suprend™ is flexible and may be used in conventional as well as herbicide tolerant crops.

Tank mix options include several commonly used herbicides in cotton such as MSMA, Touchdown, Dual Magnum, Aim, Diuron, Linuron, Cobra, Caparol, and Buctril. Do not tank mix Suprend with Malathion, profenofos (Curacron®) or emamectin-benzoate containing insecticides (Denim®), acephate, Bidrin®, Capture®, Karate® or unacceptable cotton injury can occur.

Economically important weeds controlled by Suprend™ in cotton include but not limited to: Coffee Senna (*Cassia obtusifolia*), Hemp Sesbania (*Sesbania exaltata*), Sicklepod (*Senna obtusifolia*), Common Cocklebur (*Xanthium strumarium*), Pitted morningglory (*Ipomoea lacunose*), Ivyleaf Morningglory (*Ipomoea hederacea*), Entireleaf Morningglory (*Ipomoea hederacea* var. *integriuscula*), Redroot Pigweed (*Amaranthus retroflexus*), Smooth Pigweed (*Amaranthus hybridus*), and suppression of Seedling Johnsongrass (*Sorghum halepense*), Yellow Nutsedge (*Cyperus esculentus*), and Purple Nutsedge (*Cyperus rotundus*).

Rotation restrictions include: 3 months: wheat, oats, barley, sorghum (cover crops); 7 months: field corn, grain sorghum, peanuts, rice soybeans, and transplanted tobacco; 9 months: seeded tomato; and 12 months: all other crops.