

Weed management in STS/RR soybean, Carrington, 2007

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The trial had a randomized complete block design with four replicates. Trial area was shallow tilled with a field cultivar prior to planting Pioneer 'STS/RR' soybean at 200,000 pls/A in 7-inch rows on May 28. Herbicide treatment was applied to 5 by 25 ft plots with a CO₂ pressurized hand-held plot sprayer at 10 gal/A and 35 psi through 8001 flat fan nozzles on June 22 with 85 F, 53% RH, 95% clear sky, and 5 mph wind to V1- to 2-stage soybean, 0.5- to 2-inch tall common lambsquarters, 1- to 3-inch diameter common purslane and 0.5- to 3-inch tall redroot pigweed.

Weed control was excellent (94-99%) with Harmony GT + RU Weather Max (Table). No crop injury was detected from herbicides (data not shown).

Table. Weed management in STS/RR soybean, Carrington.

Treatment	Herbicide ² Rate product/A	Weed control ¹					
		6-Jul-07			20-Jul-07		
		colq	copu	rrpw	colq	copu	rrpw
Untreated check	x	0	0	0	0	0	0
Harmony GT + RU	0.33 oz + 22 fl						
WeatherMax + AMS	oz + 64 fl oz	96	97	99	96	94	99
C.V. (%)		3.0	2.8	0	5.8	6.6	0
LSD (0.05)		3	3	0	6	7	0

¹colq=common lambsquarters; copu=common purslane; rrpw=redroot pigweed.

²Treatments: Harmony GT = thifensulfuron formulated as 75XP from DuPont; RU WeatherMax = glyphosate at 4.5 lb ae/gal with full-load adjuvant from Monsanto.