Volunteer canola control in soybean (2005)

Roundup Ready DSR0501 Dairyland soybeans were seeded May 17 at 80 lb/A into 6-inch rows. Canola was then seeded over the top to simulate a volunteer canola (VC) situation. Herbicide treatments were applied preemergence (PRE), 3-leaf canola, and 6-leaf canola on May 19, June 16, and June 23, respectively. Individual plots were 10 x 30 ft and replicated three times.

Soil-applied Sencor, Valor, Python, and Extreme provided good to excellent VC control. Flexstar, Basagran, and Raptor at any rate provided good to excellent VC control. Harmony GT, Cobra, and Ultra Blazer provided only poor to fair VC control. These results are generally similar to the 2004 study.

			Volunteer canola	
Treatment	Rate	Timing	Jun 30	Jul 14
			——— % control ———	
Sencor	0.25 lb	PRE	91	89
Valor	2.5 oz	PRE	88	84
Python	1 oz	PRE	95	93
Extreme	1.5 pt	PRE	98	99
Harmony GT + NIS	0.083 oz + 0.125% v/v	3-leaf	86	67
Harmony GT + NIS	0.083 oz + 0.125% v/v	6-leaf	71	65
Basagran + COC	0.5 pt + 1 qt	3-leaf	100	93
Basagran + COC	0.5 pt + 1 qt	6-leaf	83	81
Raptor + NIS + 28% N	4 fl oz + 0.25% v/v + 2.5% v/v	3-leaf	97	99
Raptor + NIS + 28% N	4 fl oz + 0.25% v/v + 2.5% v/v	6-leaf	76	96
Raptor + NIS + 28% N	2 fl oz + 0.25% v/v + 2.5% v/v	3-leaf	95	97
Raptor + NIS + 28% N	2 fl oz + 0.25% v/v + 2.5% v/v	6-leaf	70	94
Raptor + NIS + 28% N	1 fl oz + 0.25% v/v + 2.5% v/v	3-leaf	91	84
Raptor + NIS + 28% N	1 fl oz + 0.25% v/v + 2.5% v/v	6-leaf	60	89
Cobra + COC	6 fl oz + 1 qt	3-leaf	89	78
Cobra + COC	6 fl oz + 1 qt	6-leaf	79	53
Ultra Blazer + NIS	0.5 pt + 0.125% v/v	3-leaf	77	64
Ultra Blazer + NIS	0.5 pt + 0.125% v/v	6-leaf	68	50
Flexstar + MSO + AMS	0.75 pt + 1% v/v + 2.94 gal/100 gal	3-leaf	100	100
Flexstar + MSO + AMS	0.75 pt + 1% v/v + 2.94 gal/100 gal	6-leaf	93	100
Untreated			0	0
LSD (0.05)			10	12
CV			7	9