A Post-emergence Weed Control Trial in Established Asparagus. Mullen, R. J.; C. L. Elmore, B. Benson. A post-emergence weed control trial in established asparagus was established on Upper Jones Tract at Jones and Del Carlo Farms (Ken Jones and Ron Del Carlo) west of Stockton, California, on 7/18/83. The soil type was an Egbert muck, and all treatments were applied as directed sprays to the base of the crop fern, but over the weeds, with a handheld CO_2 backpack sprayer. A second application of all treatments was made in the same manner on 9/20/83. Weeds present at time of treatment were: flowering field bindweed and bermudagrass that was heading out. Weed Control and crop injury ratings were made on 9/20/83 and 10/6/83. Best overall weed control was achieved with SC-0224 + X-77, at the high rate, followed by Roundup (glyphosate) + X-77, and AC 252925 + X-77, at the high rate. AC 252925 + X-77, at both rates, was highly effective in controlling field bindweed (morning glory). All treatments caused some asparagus fern burn due to contact of the directed sprays with shorter fern or off-shoots near the tops of the beds.

Treatment	Rate Lb/Ac a.i.	Weed Control[1/]				Crop Phyto[1/]	
		Bermudagrass		Field Bindweed			
		9/20	10/6	9/20	10/6	9/20	10/6
glyphosate + X-77	4 + ½%	7.6	8.3	8.5	8.4	1.9	2.5
SC-0224 + X-77	2 + ½%	7.0	7.5	8.0	7.8	1.8	2.0
SC-0224 + X-77	4 + ½%	7.6	8.5	8.9	8.5	1.9	2.3
AC 252925 + X-77	½ + ¼%	8.3	7.8	8.6	8.5	2.2	2.2
AC 252925 + X-77	1 + ¼%	8.1	8.0	8.6	9.3	2.2	2.4
control	-	0.5	0.8	1.5	1.0	1.6	1.5

[1/] Weed Control Ratings: 0 = no control; 10 = complete weed control or kill

Crop Phytotoxicity Ratings: 0 = no crop damage and/or vigor reduction
10 = complete crop kill