

Cornell University Study on 20% Acetic Acid

Table 1. Average weed control (1 to 2 days after treatment) and weed biomass reduction (15 to 17 days after treatment) of 23 monitored field weed populations in 2005 and 2006. Twelve populations were categorized as small (6 leaves and under) and 11 populations were categorized as large (greater than 6 leaves).

Treatment ^b	% Average weed control by weed size			% Average weed biomass reduction by weed size		
	Small	Large	Combined	Small	Large	Combined
1) Untreated	0	0	0	0	0	0
3) 20 % Acetic acid at 34 GPA	77.8	46.6	62.2	85.5	41.0	63.3
4) 30 % Acetic acid at 34 GPA	84.5	65.0	74.8	90.9	58.4	74.7
5) 15 % Acetic acid at 68 GPA	83.7	64.9	74.3	90.9	48.0	69.5
6) 20 % Acetic acid at 68 GPA	90.5	76.3	83.4	92.7	54.7	73.7
7) 10% Matran II at 34 GPA	51.3	34.5	42.9	70.9	39.1	55.0

^bAcetic Acid treatments (3-6) contained yucca extract at 0.1% V/V, and Matran II treatments contained humasol at 2.5% V/V.