

Table 4. The effects of mustard seed meal (MSM) at 4400 kg ha⁻¹ on weeds and chile pepper fruit yield at four sites in southern New Mexico. Data are means with standard error, n = 4 unless noted otherwise.

Site	Treatment ¹	Weed control		Chile pepper fruit yield ³ kg 4m ⁻¹
		Palmer amaranth ²	Ambient weeds	
		% of non-treated		
Deming	MSM	83.3	100 ⁴	14.3 a
	Non-treated	--	--	14.9 a
Las Uvas	MSM	100	91.7	4.8 a
	Non-treated	--	--	5.2 a
Leyendecker	MSM	100	86.1	3.0 a
	Non-treated	--	--	4.6 a
Los Lunas	MSM	100	54.2	4.5 a
	Non-treated	--	--	4.8 a
Weighted mean ⁵		95.8	80.6	

¹ MSM was incorporated into soil between crop rows at 2 to 3 weeks after crop thinning.

² Control was determined using emergence data for a Palmer amaranth population that was intentionally seeded at all sites.

³ Fresh weight of marketable, green chile peppers. Means with the same letter are not significantly different according to paired t-tests ($\alpha = 0.05$).

⁴ Due to the absence of weeds in control plots, n = 2.

⁵ Overall mean weighted by site-specific sample size.