

**Table 3.** Effects of different rates of compost on potato tuber number, size, and quality, San Luis Valley, Colorado, 2002

Field	Treatment <sup>a</sup>	Percent <sup>b</sup>								Total lbs.	Total no.	Cwt/A <sup>d</sup>
		< 4 oz.	No.	4-10 oz.	No.	> 10 oz.	No.	MS <sup>c</sup>	No.			
6A	0	14.0	35.6	34.8	34.6	48.5	26.6	2.8	3.2	51.5 a	115.0	528.4 a
	4	11.4	31.5	33.6	35.6	51.3	29.6	3.7	3.3	49.5 a	106.0	507.2 a
	8	9.6	27.6	36.2	40.0	49.8	29.3	4.5	3.2	50.3 a	101.3	515.6 a
	12	7.4	23.0	27.9	34.8	60.7	39.3	4.0	3.0	45.4 b	90.3	465.5 b
6B	0	8.9	30.5	36.7	39.0	48.2	25.8	6.2	4.8	54.8	130.5	562.4
	4	5.4	23.8	31.0	38.0	56.0	32.3	7.6	6.0	56.6	112.0	579.7
	8	5.3	24.2	37.2	40.1	52.7	30.7	4.8	4.9	54.1	112.3	554.7
	12	5.4	19.6	36.0	44.8	53.2	30.5	5.5	5.1	51.8	100.0	531.0
Overall mean	0	11.4 a	33.0 a	35.7	36.8	48.3	26.2	4.5	4.0	53.2 a	122.8 a	545.4 a
	4	8.4 ab	27.7 ab	32.3	36.8	53.7	31.0	5.6	4.6	53.0 a	109.0 ab	543.5 a
	8	7.4 b	25.9 b	36.7	40.1	51.2	30.0	4.7	4.0	52.2 a	106.8 b	535.1 a
	12	6.4 b	21.3 b	31.9	39.8	56.9	34.9	4.8	4.0	48.6 b	95.1 b	498.3 b
LSD(P=0.05)		3.20	6.77	NS	NS	NS	NS	NS	NS	3.19	15.41	32.69

<sup>a</sup> Rate of compost applied in tons/acre.

<sup>b</sup> Based on tuber weight in pounds and tuber number, mean of four replications.

<sup>c</sup> Misshaped tubers.

<sup>d</sup> Total yield expressed as hundred weight per acre, 1-15 foot row per treatment per replication, mean of four replications.

Means followed by the same letter are not significantly different at P=0.05.