

Response of Russet Potato to Source and Rate of Phosphorus Fertilizer Application

Samuel Y.C. Essah, Colorado State University, Department of Horticulture and Landscape Architecture

Yield response of Rio Grande Russet potato to source and rate of phosphorus fertilizer application, 2013.

Source and Rate of P Application (lbs/ac)	4-10oz	10-16oz	Total
	Yield (cwt/ac)		
Control	267d	66a	467a ¹
MAP 50	284bcd	33f	464a
MAP 100	285abcd	43cdef	484a
MAP + AVAIL® 50	291abcd	61ab	474a
MAP + AVAIL 100	310a	29f	482a
MESZ 50	309ab	37def	490a
MESZ 100	279d	52abcd	478a
MESZ + AVAIL 50	307ab	33f	483a
MESZ + AVAIL 100	274d	57abc	477a
40 ROCK® 50	285abcd	52abcd	462a
40 ROCK 100	284abcd	35ef	464a
40 ROCK + AVAIL 50	277d	57abc	469a
40 ROCK + AVAIL 100	300abc	44bcdef	474a
LSD (0.05)	25	17	29
CV (%)	6	26	4

¹Figures in the same column and bearing the same letters are not significantly different at the 0.05 level of probability.