

# State Cooperative Soil - Vegetation Survey

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Department of Conservation, The Resources Agency

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## SOIL FERTILITY STUDIES: NO. 14 - Keefers series

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This leaflet, a product of the Soil-Vegetation Survey, is one of a series giving results of greenhouse pot tests and field fertilizer trials on soils primarily associated with range lands. The data indicate fertility status with regard to nitrogen, phosphorus, and sulfur. Field trials also give preliminary data on potential range forage production and species changes resulting from fertilizer treatments. Methods are detailed in: Powell, W. Robert. 1964. Procedures used in range land soil fertility studies. State Cooperative Soil-Vegetation Survey, Calif. Division of Forestry, Sacramento, 15 pp.

### GREENHOUSE POT TEST

Sample No. FA61-45-125 Shasta County Quad 32A-2 North $\frac{1}{4}$ corner Sec. 10, T30N, R3W, MDMB South 10%; 500 feet Woodland-grass Collected 18 April 1961 Tested 21 Nov. 1961 - 16 Jan. 1962	Treatment	Yield
	None	5.8 a
	S	7.4 a
	P	8.4 ab
	PS	13.2 c
	N	12.0 bc
	NS	18.4 d
	NP	21.0 d
	NPS	45.4 e

(N = 200, P = 88, S = 100 lb/A)  
(Yield, decigrams per pot, oven-dry)

### COMMENTS:

A primary response to nitrogen; responses to each pair of elements (PS, NS, NP); strong response to all nutrients together (NPS).

