

State Cooperative Soil - Vegetation Survey

CALIFORNIA DIVISION OF FORESTRY

Department of Conservation, The Resources Agency

PACIFIC SOUTHWEST FOREST AND RANGE EXPERIMENT STATION

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DIVISION OF AGRICULTURAL SCIENCES

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SOIL FERTILITY STUDIES: NO. 16 - Dibble 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. FA59-52-1	Treatment	Yield
Tehama County	None	4.8 a
Plot 19 of Quad 31D-1	S	5.2 a
NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 23, T27N, R6W, MDMB	P	6.0 a
East - 25%; 850 feet	PS	6.2 a
Grassland	N	19.8 b
Collected 3 July 1959	NS	22.8 c
Tested 9 Sept. - 23 Nov. 1959	NP	34.2 d
	NPS	42.0 e

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

COMMENTS:

A good primary response to nitrogen; strong and mild secondary responses to phosphorus and sulfur, respectively; a good third order response to sulfur. This soil sample was from the type locality of the Dibble series.

