UNIVERSITY OF CALIFORNIA
AGRICULTURAL EXTENSION SERVICE

Date: 3 August 1961
To: Seymour W. Thurber
Farm Advisor - Shasta-Lassen Counties

DAVIS, CALIFORNIA

From: W. E. Martin
Title: Extension Soils Specialist
Re:

AUG 4 P.M.

Dear Sam:

I am enclosing herewith a copy of the yield data from Kenneth-McArthur irrigated pasture test. The yields are in terms of bales per acre and have been adjusted for the width of the checks and the length.

You will notice in our summary that the 100 pound rate of gypsum did as well as did the higher rates according to Ken's figures. I seriously doubt that there is any significant difference between the 100, 200 and 300 pound rates of gypsum applied. We may, however, see some difference in subsequent cuttings. The samθ ples which we took for laboratory analysis have not yet been completed. I would appreciate getting from Sam the bale counts which weren't with the yields from the other McArthur test on the native meadow hay. I would also be most interested in knowing whether any difference showed in the regrowth at this location.

Sincerely yours,

WEM:maj

cc: Jim Street

Enclosure

WEM:maj

Lores Shasta

(13)

Effect of Gypsum on:

Yield of Baled Irrigated Pasture Forage

June 1961 — Kenneth McArthur Test — Shasta-Lassen Counties

Treatment No.	Material	Bales-Yield as Measured	Width in Feet (1/2 Mile Long)	Sq. Ft. Area	Acres per Plot	Yield per Acre
1	100 Gypsum	85	56'	147,840	3.39	25.07
2	Check	20	44	116,160	2.67	7.49
3	300 Gypsum	70	51	134,640	3.09	22.65
4	200 Gypsum	60	49	129,360	2.97	20.20
5	Check	20	50	132,000	3.03	6.60
6	200 Gypsum	85	51	134,640	3.09	27.51
7	100 Gypsum	64	45	118,800	2.73	23.44
8	Check	52	60	158,400	3.64	14.29
9	300 Gypsum	71	39	102,960	2.36	30.08
10	200 Gypsum	99	62	163,680	3.76	26.33
11	100 Gypsum	82	38	100,320	2.30	35.65
12	300 Gypsum	64	53	139,920	3.21	19.94

Summary of Yields: Bales Per Acre Hay with

Pounds Gypsum Per Acre

	None	100	200	300 Lbs/Ac
I	7.49	25.07	20.20	22.05
II	6.60	23.44	27.51	30.08
III	14.29	35.65	26.33	19.94
	29.38	84.16	73.84	72.67
Av.	9.79	28.05	25.61	24.22
	9.79		25.96 Av.	
	Average Increase		2.65X	