

OBSERVATIONS - by Roy Parker

February 29, 1956

UNIVERSITY LEASE - LOST HILLS

GENERAL CONDITIONS:

A good stand of filaree, red brome, annual fescue, six weeks grass, calf lotus, and a wild vetch. The legumes look particularly good this year. The calf lotus (*Lotus subpinatus*) is abundant. The wild vetch, which is probably an annual *astragalus*, looks good. There are occasional patches of burr clover.

The natives look better than the planted species.

NOTES ON PLANTINGS:

Experimental seeding of January 5, 1951 of the established stipa plants -- some are just starting to green up.

Experimental seeding of November 15, 1951 -- particular attention was paid the tall wheat grass and pubescent wheat grass plants which had been established. There was no apparent new growth. There is apparently no life left.

Experimental seeding of November 16, 1953

1 & 2	Stipa Cernua	None	apparent
3 & 4	Tall Wheat	"	"
5 & 6	Int. Wheat	"	"
7 & 8	Pubescent Wheat	"	"
9 & 10	Harding	"	"
11 & 12	Sunol	"	"
13 & 14	Soft Chess	Perhaps	
15 & 16	Cucamunga Brome	Few	
17 & 18	Brome 100	None	apparent
19 & 20	Smilo	"	"
21 & 22	Wimera Rye	"	"
23 & 24	Mandan Rice	"	"
25 & 26	Schismus	Few	
27	West Aus. Blue Lupin	None	apparent
28	Rose Clover	"	"
29	Wooly Pod Vetch	"	"
30	Ataugua Crimson	"	"
31 & 32	Mount Barker Subclover	"	"
33 & 34	Bacchus Marsh Subclover	"	"
35 & 36	Clare Subclover	"	"
37 & 38	Dwalganup "	"	"
39 - 46	incl. Rose Clover & Soft Chess	- None	apparent

Barrel Medic - some.

Experimental seeding of November 17, 1954

	1 & 2	Smilo	Some	
3 & 4	3 & 4	Pubescent Wheatgrass	None	apparent
	5 & 6	Tall Wheatgrass	"	"
	7 & 8	Int. Wheatgrass	"	"
	9 & 10	Schismus arabicus	Few	
	11 & 12	Mandan ricegrass	None	apparent
	13 & 14	Brome 100	"	"
	15 & 16	Wimmera ryegrass	"	"
	17 & 18	Stipa Cernua	?	
	19 & 20	Soft Chess	"	"
	21 & 22	Hardinggrass	"	"
	23 & 24	Barrel medic	Fair	
	25 & 26	Bacchus Marsh Sub C.	None	apparent
	27 & 28	Dwalganup Subclover	"	"
	29 & 30	Rose clover	Poor	
	31 & 32	Bur clover	Fair	
	33	Uruguay ryegrass #13A	None	
	34	Annual ryegrass #13	None	

Experiments seeding November 14, 1955

Good stand of grasses - $2\frac{1}{2}$ " to 4". Good stand of clover $\frac{1}{2}$ " to 1".

Fertilized plots appear about the same; unfertilized has as thick a stand but less growth.

CO-OPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS
State of California

University of California
and United States Department
of Agriculture, cooperating

University of California
College of Agriculture Extension Service

140 GIANNINI HALL
BERKELEY 4, CALIFORNIA

July 6, 1956

Mr. Roy V. Parker
Farm Advisor
Post Office Box 791
Bakersfield, California

Dear Roy:

I recently took some soil samples from the Lost Hills plot. Samples were taken just east of the disced area. The purpose in taking these samples was to find out the amount of salts in the soil in the bare areas and the areas covered with vegetation.

Enclosed is the laboratory analysis of these soils. I hope to get Milt Fireman to examine this data and also to take him on a field trip in the area.

Sincerely,

Lloyd N. Brown

Lloyd N. Brown
Extension Soils Specialist

LNB p

enclosure

Lab. No. 656
6-6-56

KERN COUNTY

Soil Samples from Westside Range plots in Blow Area

No.	Location	Depth	CaCO ₃	pH	Conductivity of Sat. Solt.	Total Salt	Ca + Mg	
							Ext. millimhos/cm.	me/L
1	Covered with plant growth	0-4"	high	7.9	0.50	5.0	3.7	74
2	"	4-8"	"	7.9	0.37	3.7	2.5	66
3	"	8-12"	"	7.9	0.32	3.2	1.9	60
4	"	12-16"	"	8.0	0.34	3.4	1.1	32
5	"	16-20"	"	8.0	0.37	3.7	0.8	21
6	"	20-24"	"	8.0	0.41	4.1	0.6	15
7	Bare Soil	0-4"	"	7.9	26.0	500	108.5	22
8	"	4-8"	"	7.8	28.0	525	130.0	25
9	"	8-12"	"	7.8	30.0	425	105.1	25
10	"	12-16"	"	7.8	30.0	375	91.0	24
11	"	16-20"	"	7.8	27.0	350	81.0	23
12	"	20-24"	"	7.8	24.0	288	62.5	22

PROJECT: Wind Erosion Plots
RANCH: University lease - Lost Hills
DATE OBSERVED: May 17, 1956
OBSERVED BY: Jack Gilmore
FIELD CONDITIONS: Native annuals - dry

1953 plot

Dry. Nothing apparent from seeding.

1954 plot

Stipa. Spotty stand. Average 4" high but up to 20"
Tall wheatgrass - spotty stand, 5" high.

1955 plot

One Tamarisk tree putting out some new growth.

No observable difference between fertilized and unfertilized plots

Ryegrass green. Good stand - av. 3" up to 8"

Wheatgrass green - fair stand 3"

Harding - poor

Brome - occasional plant - 4"

Legumes - dry

Nothing green outside of rabbit fence - fairly green inside of
rabbit fence.

PROJECT: Wind Erosion Plots
RANCH: University lease - Lost Hills
DATE OBSERVED: March 18, 1956
OBSERVED BY: Jack Gilmore

GENERAL CONDITIONS:

To the 1 inch level the moisture is almost non-existent
Early weeds completely dried up
Filaree burned back to $1\frac{1}{2}$ " except choice locations
Red brome has some green color and headed at 4" with some plants to 6-8"
Side oats fescue matured and headed at 6"

1955 Plot

A few Tamarisk trees remain green but being eaten by worms.
Cereal grains turning reddish brown
Ryegrass - thick and green to 6"
Tall and Intermediate wheat - green to brown 2" to 4"
Harding & Brome 100 -
Rose & Dwal. clovers - $3/4$ " to $1\frac{1}{2}$ " - Rose flowered, fair stand- turning brown.

1954 Plot

Rose clover- excellent stand - $1\frac{1}{2}$ " high - green
Bur Clover- patchy stand - drying
Stipa - good stand in spots 3-8" high
Wimmera rye - very spotty, to 4"
Schismus- fair in spots - $1\frac{1}{2}$ "
Smilo - very poor 8"

1953 Plot

Wimmera rye - occasional plant - 3"
W.Australian Blue lupine - occasional plant - 5"
Tall wheatgrass - occasional plant 3"