

McCoy Flat Experimental Planting Area

Planted - October 30, 1946

Susan River District - Lassen National Forest

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Twenty-nine plots are planted in duplicate. Each plot is 12 feet wide by 181½ feet long, or 1/20 acre in size. The north series of plots are numbered from east to west, plots 1 to 29. The south series of plots are offset 16 plots, that is, plot 17 is planted on east side through to 29, with 3 unplanted plots towards center. In the south series plot 1 is first plot to west of center then progresses westward through consecutive plot numbers until plot 16 is planted on west side. Plantings are made at the rate of 20 pounds per acre for all perennial grasses and 2 bushels per acre for cereal rye.

This area was primarily an Artemisia tridentata type with a small area of Artemisia arbuscula across the south end of the plots of the south series as shown in attached plot map.

Plot No.	GR No.	Scientific Name	Common Name	Source
1	164	<i>Agropyron cristatum</i>	Crested wheatgrass	Commercial
2	167	" "	" "	"Standard", North Dakota SCS
3	168	" "	" "	"Fairway", North Dakota, SCS
4	165	<i>Agropyron smithii</i>	Western	Commercial, Lakeview, Oregon
5	16	" "	" "	Commercial, Scott City, Kansas
6	162	" "	" "	P-9373, SCS, Pullman, Wash.
7	163	" "	" "	North, Dakota, SCS
8	166	<i>Agropyron intermedium</i>	Intermediate wheatgrass	P-2327 Pullman, Wash., SCS
9	110	" "	" "	North Dakota, SCS
10	166	" <i>elongatum</i>	Tall wheatgrass	Nebraska, SCS
11	164	" <i>paniclorum</i>	Slender wheatgrass	Commercial
12	111	<i>Elymus glaucus</i>	Blue wildrye	P-2662, Pullman, Wash., SCS
13	115	" "	" "	PL128, Pleasanton, Calif., SCS
14	116	" <i>canadensis</i>	Canada wildrye	North Dakota, SCS
15	99	" <i>juncens</i>	Russian wildrye	" " "
16	109	<i>Stipa viridula</i>	Green needlegrass	" " "
17	163	<i>Bromus inermis</i>	Smooth brome grass	Commercial
18	113	" "	" "	Manchar, Pullman, Wash., SCS

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No.	GR No.	Scientific Name	Common Name	Source
19	103	<i>Bromus inermis</i>	Smooth bromegrass	Achenbach; Manhattan, Kansas, SC8
20	104	" "	" "	Lincoln; Waterloo, Nebraska, SC8
21	114	" <i>marginatus</i>	Mountain "	P-16708, Pleasanton, Calif., SC8
22	107	" "	" "	Lassen N. F.
23	109	" "	" "	Commercial
24	112	" "	" "	P-2133, Pullman, Wash., SC8
25	101	" "	" "	Bromar; Pullman, Wash., SC8
26	14	<i>Festuca rubra cuneolata</i>	Chewings fescue	Commercial
27	81	" <i>idahoensis</i>	Idaho fescue	Lassen N. F.
28	98	<i>Poa annua</i>	Big bluegrass	P2716, Pullman, Wash., SC8
29	100	<i>Secale cereale</i>	Cereal rye	Commercial

The north series of grass plots are crossed by the following fertilizer and legume strips:

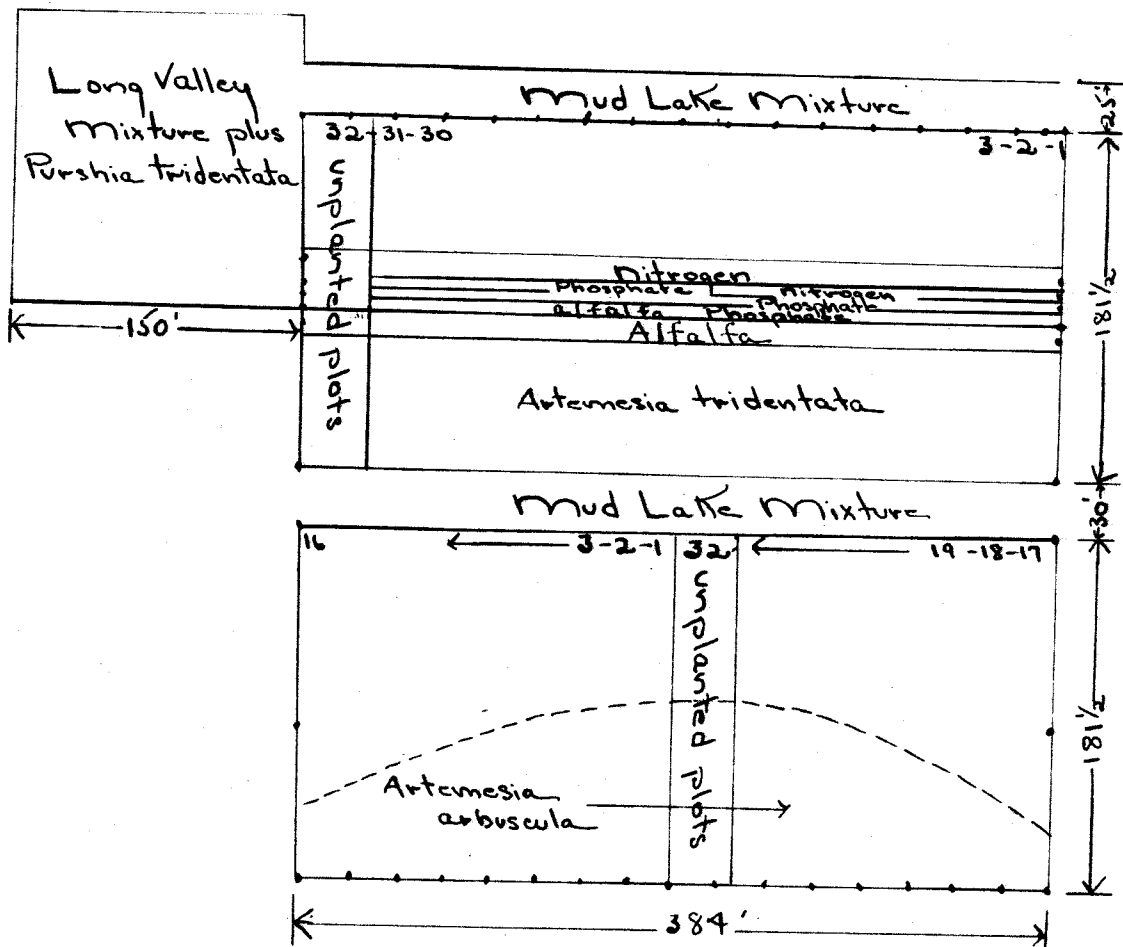
Ammonium sulfate, 500 lbs. per acre - 12 ft. strip
 Super phosphate, 500 lbs. per acre and Ammonium sulfate, 500 lbs. per acre - 6 ft. strip
 " " " " " " - 6 ft. strip
 " " " " " " and Alfalfa, 10 lbs. per acre - 6 ft. strip
 Alfalfa, 10 lbs. per acre - 12 ft. strip

The Long Valley Mixture drilled in the northwest corner of the experimental area, 150 feet by 150 feet, at the rate of 15 pounds per acre was composed of the following species and relative parts by weight:

Smooth broms.5
Slender wheatgrass.2
Timothy1
Western wheatgrass.1
Ladak alfalfa1
Yellow sweet clover2

One of the center drill spots was used for planting bitter-brush seed at the rate of pounds per acre. After the area was drilled, crested wheatgrass seed was broadcast over the area at the rate of 5 pounds per acre.

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Plots 12 feet wide 181½ feet long
 States at 24 foot intervals
 Area tilled with Dixie drag
 Some portions spike tooth harrowed
 Seed drilled 6 foot Van Brunt drill