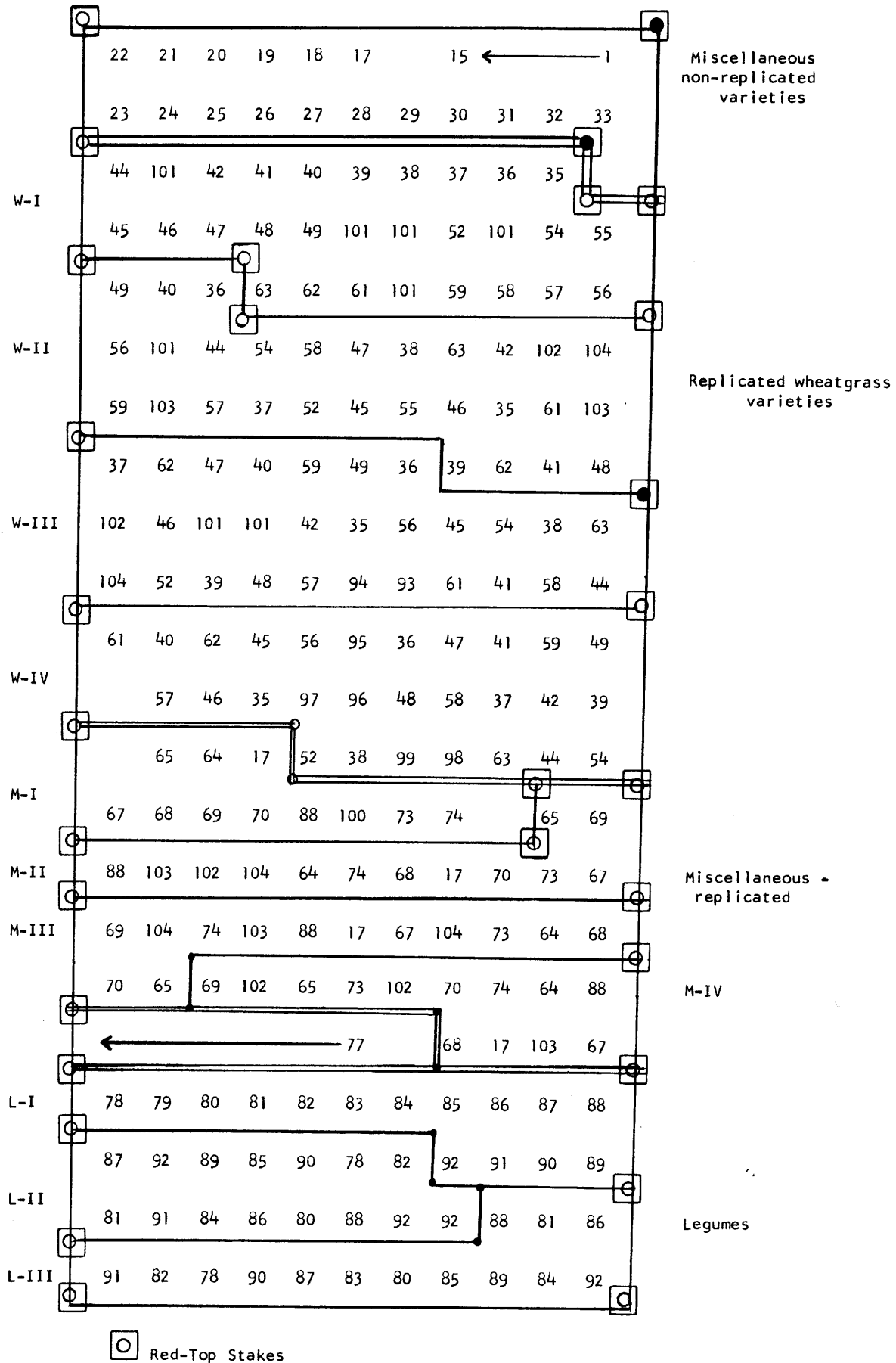


MODOC COUNTY RANGE VARIETY TRIAL - Planted March, 1963

(Diagram revised June, 1966)



Miscellaneous Non-Replicated Varieties

		<u>ORIGIN</u>
1.	P-9951 <u>Elymus triticoides</u>	Kern County
2.	Bulk <u>E. triticoides</u>	Lake Huges, Calif.
3.	2108 CF <u>E. triticoides</u>	Lockwood, Calif.
4.	2110 CF <u>E. triticoides</u>	German & Cuddy Valley
5.	2111 CF <u>E. triticoides</u>	Lebec, Calif.
6.	2196 CF <u>E. triticoides</u>	Tehachapi
7.	PI-243-57 <u>E. triticoides</u>	Hill City, Idaho
8.	PI-344-57 <u>E. triticoides</u>	#1 Westwood ARS
9.	PI-341-57 <u>E. triticoides</u>	#2 Westwood ARS
10.	PI-52-60 <u>E. triticoides</u>	Carmel Valley
11.	PI-223-58 <u>E. triticoides</u>	Los Banos, Calif.
12.	PI-225-58 <u>E. triticoides</u>	Mendota WMA
13.	PI-247-58 <u>E. triticoides</u>	Mendota WMA
14.	PI-248-58 <u>E. triticoides</u>	Firebaugh, Calif.
15.	PI-224-58 <u>E. triticoides</u>	Los Banos, Calif.
16.	<u>Bouteloua gracilis</u> Okla. Synth 40 Blue Grama F.C. 33811 1958 A. A. Hanson	
17.	<u>Bromus brevis</u> T.O. 2339 6/61 UCD	
18.	<u>Bromus grandis</u> T.O. 2500 6/13/61 UCD	
19.	<u>Bromus mollis</u> T.O. 2799 5/62 UCD	
20.	<u>Bromus trinii</u> T.O. 2483 5/60 UCD	
21.	<u>Bromus</u> sp. 2626 5/28/62 E37-38	
22.	<u>Bromus</u> sp. 2611 5/23/62 E-41	
23.	<u>Oryzopsis coerulescens</u> 2323 5/61 UCD	
24.	<u>Oryzopsis holciiformis</u> 2324 5/61 UCD	
25.	<u>Oryzopsis miliacea</u> 2431 Israel 6/62 UCD	
26.	<u>Panicum virgatum</u> Oklahoma 1958	
27.	<u>Phalaris arundinacea</u> 2517 Idaho 6/61 UCD	
28.	<u>Stipa lemmoni</u> 2494 5/61 UCD	
29.	<u>Stiporyzopsis</u> Mandan Ricegrass 1960 S-55	
30.	<u>Sanguisorba minor</u> F 94-96 6/12/62 F-94-96	
31.	P-14895 <u>Brachypodium pinnatum</u> SCN-784 Pkt.	
32.	P-2336 <u>Bromus erectus</u> PI-370-60 Pkt.	
33.	P-2447 <u>B. tomentellus</u> PI-127-56 Pkt.	
34.	P-11599 <u>Elymus sabulosus</u> SCN-723 Pkt.	

Replicated Wheatgrass Varieties

35. Agropyron curvifolium - 2634 7/62 F-2
36. A. sibiricum - 2516 6/22/61 UCD
37. A. subsecundum - 2492 5/25/61 UCD
38. A. trachycaulum var. majus - Robust 6/18/62 G8-9 2800
39. A. triticeum - 2752 - Annual, Nevada 5/23/62
40. Amur A. intermedium - Amur wheatgrass - 1958 Area E5 Pullman PMC Pkt.
41. Greenar A. intermedium - intermediate wheatgrass 1961 Field 10 Pullman PMC Pkt.
42. P-14 A. intermedium - Dwarf intermediate wheatgrass 1958 Pkt.
44. Nordan A. desertorum - Crested wheatgrass 1961 Tetonia, Idaho Pkt.
45. P-27 A. sibiricum - Siberian wheatgrass 1961 Aberdeen, Idaho Pkt.
46. P-1822 A. dasystachyum - Thickspike wheatgrass 1961 Area H Pullman PMC Pkt.
47. Topar A. trichophorum - Pubescent wheatgrass 1961 Aberdeen, Idaho Pkt.
48. Whitmar A. inerme - Beardless wheatgrass 1961 Field 8 Pullman PMC Pkt.
49. P-739 A. spicatum - Bluebunch wheatgrass 1960 Aberdeen, Idaho Pkt.
52. ALKAR A. elongatum P1-146-62 Pkt.
53. Largo A. elongatum P1-384-60 Pkt.
54. A-12496 A. intermedium P1-25-63 Pkt.
55. Ree A. intermedium P1-169-61 Pkt.
56. P-14897 A. smithii Pkt.
57. P-727 A. smithii P1-14-63 Pkt.
58. P-9115 A. subsecundum P1-142-62 Pkt.
59. Sodar A. riparium P1-140-62 Pkt.
61. A-1115 A. trichophorum P1-247-57 Pkt.
62. A-1488 A. trichophorum P1-170-62 Pkt.
63. Oahe A. intermedium - Cert. S.D. Foundation L-1-T-34, 1962

Miscellaneous Replicated Varieties

17. Bromus brevis T.O. 2339 6/61 UCD
64. P-284 Festuca ovina P1-395-58 Pkt.
65. Durar Festuca ovina var duriuscula - Hard fescue - 1960 - Field 14c Pullman PMC Pkt.
67. Sherman Poa ampla - Big bluegrass - 1960 - Field 5A Loti - Pullman PMC Pkt.
68. Albion Poa ampla - Big bluegrass, P89-03 - 1952 Pullman, Washington Pkt.
69. P-851 Poa canbyi - Canby bluegrass - 1961 Field 1 Pullman PMC Pkt.
70. P-4874 Poa bulbosa - Bulbous bluegrass - 1960 5

73. Vinall Elymus junceus - Russian wildrye - 1961 - Tetonla Idaho Pkt.
 74. P-5797 Elymus cinereus - Giant wildrye or Basin wildrye 1959 Area S Pullman PMC Pkt.
 77. Orchardgrass - from GLS bulk, F₂, 6/27/61

Legumes

78. Oenothera odorata - Evening primrose T.O. 2439 1962 UCD
 79. Trifolium tridentatum var. T.O. 2776 5/62 UCD (B)
 80. T. arvense T.O. 2629 6/62 UCD (B)
 81. Dorycnium hirsutum - Hairy Canary Clover P-13229
 82. Dorycnium hirsutum T.O. 2515 D178 7/61 UCD
 83. Psoralea bituminosa T.O. 2514 8/21/61 D-194
 84. Hippocrepis sp. T.O. 2717 6/62 UCD
 85. Caragana sp. T.O. 2244 6/13/61 UCD
 86. Astragalus cicer - Cicer Milk Vetch PI-336-57
 87. Ladak alfalfa (A)
 88. Rambler alfalfa (A)
 89. Medicago sativa T.O. 2678-2679 Spain Aug 20/62 F45-46 (A)
 90. Onobrychis sativa Sainfoin T.O. 2718 6/12/62 F-91-93
 91. Ornobrychis chorassanica P-11592 SCN-842

Accessions Added in Later Years - Planted in Old Failures

- 3/18/65 92 Vicia tenuifolia p-692 1956 (C)
 4/8/65 93 Stipa viridula T.O. 2945 1964 UCD
 " 94 Festuca ovina T.O. 2704 1962 UCD
 " 95 Bromus virens T.O. 3508 1964 UCD
 " 96 Bromus valdivianus T.O. 3252 1964 UCD
 " 97 Bromus riparius T.O. 2998 1964 UCD
 " 98 Agropyron caespitosum T.O. 2953 1964 UCD
 " 99 Bromus cappadocicus T.O. 3004 1964 UCD
 " 100 Onobrychis hajastana T.O. 3236 1964 UCD
 3/18/65 101 Onobrychis viciaefolia SCN861 (Sainfoin) 18,190 seeds per pound

To be planted - Spring, 1967

- 102 Alaska alfalfa PI-11-57 1955 M. falcata Pleasanton PMC (Germ UC 55% 10/65)
 103 Travois alfalfa
 104 Rambler alfalfa

○ - Inoculated

MODOC COUNTY RANGE VARIETY TRIAL

Planted March 1963 - Yields are pounds per acre, oven dry,

Miscellaneous - replicated (mean of four reps.)

	1964		1965	
17 <u>Bromus brevis</u>	2440	b	910	d
64 Hard fescue P-20h	253		770	d
65 Darer hard fescue	2390	b	1260	ba
67 Sherman big bluegrass	2950	b	3020	a
68 Albion big bluegrass	3650	a	1020	bed
69 Casey bluegrass	790			
70 Bulbous bluegrass	870		570	cd
73 Russian wildrye	1520	c	710	cd
74 Giant wildrye	1530	c	1620	ab

Legumes (mean of three replications)

81-2 Hairy vernal clover	1970	bc	—	
86 Clear milk vetch	1600	c	1140	d
87 Ladak alfalfa	3800	a	2040	e
88 Rambler alfalfa	3030	ab	2580	a
89 Spanish clover	2890	ab	2140	b
90 Sainfoin (<u>O. sativa</u>)	1880	bc	620	
91 Sainfoin (<u>O. therassonica</u>)	1980	bc	810	e

Values not followed by the same letter differ significantly at the 5% level.

NEDOC COUNTY RANGE VARIETY TRIAL - - Wheatgrass only.

Planted March 1963 - Yields are pounds per acre, oven dry, mean of four replications. ✓

	1964	1965
35 <u>A. curvifolium</u> - 26%	2630 ab	1000 cde
36 Siberian 2516	2130 bc	1160 cde
37 Bearded 2492	1790 cd	660 e
38 Slender 2800 UCD	2870 ab	1000 cde
40 Amar	2270 bc	1000 cde
41 Greenar	2130 bc	1240 bcde
42 Dwarf intermediate	2210 bc	970 cde
44 Nordan	3220 a	1400 abc
45 Siberian P-27	2740 ab	1070 cde
46 Thickspike	2110 bc	1160 cde
47 Topar	1320 cd	1140 cde
48 Whitmar	2210 bc	1070 cde
49 Bluetunch	2170 bc	1160 cde
52 Alkar	1800 cd	1120 cde
54 Intermediate A-12496	2770 ab	1540 abc
56 Western P-14897	2260 bc	810 de
57 Western P-727	2170 bc	1000 cde
58 Bearded P-9115	2890 ab	1240 bcde
59 Sedar	1240 d	1040 cde
61 Pubescent A-1115	2260 bc	1400 abc
62 Pubescent A-2208		1780 ab
63 Oako intermediate	2800 ab	1870 a

✓ Values not followed by the same letter differ significantly at the 5% level.