

Small Grains

Variety nurserys grown in 1958 include four of spring wheat, six of winter wheat, five of oats, five of spring barley, and two of winter barley. In addition to these variety nurseries, field plots of spring wheat and winter wheat were grown for quality determination and yield comparisons under varied conditions.

In all, over 1200 plots were seeded, observed and harvested. Weights and measurements taken each year in an attempt to provide Northwestern Montana with suitable small grains probably exceed 5000.

The approved 1958-59 budget for this work was for \$4025.00.

Table 1. Agronomic data from the Advanced Yield Nursery grown under irrigation at the Northwestern Montana Branch Station at Creston, Montana, in 1958.

Planted: May 1, 1958 Plot sizes: 16 sq. ft. Reps. 5

Variety	Sel. No.	C.I. No.	Head Date	Height %		Grams Per Plot					Total	Bu./A	Test Weight
				Ins.	Lodge	1	2	3	4	5			
Selkirk	-----	13100	6/25	41	15	415	686	569	602	595	2867	57.34	60.5
Ceres	-----	6900	6/26	42	71	490	479	484	465	400	2318	46.36	62.3
Thatcher x Lee	B55-21	-----	6/22	42	21	502	482	510	588	526	2608	52.16	60.9
1898 x Lee	B52-57	-----	6/26	44	28	705	760	500	638*	540	3143	62.86	62.0
Th ⁶ x Kenya F	CT233	13345	6/23	42	29	468	520	472	520	384	2364	47.28	61.2
Rescue x 1831	B51-9	13304	6/28	43	70	650	528	635	521	495	2829	56.58	61.5
Lee	-----	12488	6/21	41	29	500	475	465	430	540	2410	48.20	59.6
Centana	N2170	12974	6/26	41	54	532	491	310	440	575	2348	46.96	62.5
Thatcher	-----	10003	6/23	42	29	425	495	550	440	410	2320	46.40	61.0
Lake	Canada	-----	6/30	44	9	471	549	415	500	590	2525	50.50	61.5
1953 x Lee	B52-91	13242	6/23	42	5	545	575	614	492	650	2876	57.52	61.5
Lee x Kenya F	C.T. 231	13221	6/21	40	39	581	545	375	495	502	2498	49.96	59.6
Chinook	H4258	13220	6/25	42	62	416	600	517	492	441	2466	49.32	61.9
Rescue	-----	12435	6/26	41	100	385	375	400	484	339	1983	39.66	59.5
Thatcher x Lee	B55-4	-----	6/23	40	27	660	555	355	525	685	2780	55.60	60.9
Conley	N.D.1	13157	6/27	41	60	555	425	549	580	470	2579	51.58	60.5
Pilot	-----	11945	6/25	39	66	522	596	464	500	465	2547	50.94	61.0
Overby Sel	S. Dak.	13346	6/23	44	32	360	400	429	462	406	2057	41.14	61.4
Thatcher x Lee	B55-8	-----	6/27	41	21	565	534	592	705	531	2927	58.54	60.5
1953 x Lee	B-52-94	-----	6/21	41	45	615	370	578	529	525	2617	52.34	62.1
Thatcher x Lee	B-55-5	-----	6/22	39	12	585	525	611	550	435	2706	54.12	62.0

Mean Yield 15.2
 S. E. \bar{x} 3.3
 L. S. D. (P = .05) 9.4
 C. V. = 6.45%

*Calculated as a missing plot