

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 3. Agronomic data from the Eastern Regional Dryland Spring Wheat Nursery Grown on the Northwestern Montana Branch Station in 1958.

Seeded: 4/27/58 Harvested: 8/19/58

Variety	C.I. No.	Plant Height	First Headed	% Lodging	Test Weight	Grams Per Plot			Total	Bu/A
						I	II	III		
Lemhi	11115	39	6/26	22	59.4	520	602	517	1639	54.63
Baart	1697	38	6/24	35	62.0	453	389	601	1443	48.10
2236 x Lee (B52-107)	13305	39	6/22	2	58.1	495	392	515	1402	46.73
Lemhi 53	13258	38	6/25	18	59.4	531	446	402	1379	45.97
Onas 53	13257	36	6/27	15	59.0	345	424	599	1368	45.60
Onas	6221	38	6/28	17	59.0	349	480	539	1368	45.60
Lemi x Hope Fed.	13053	38	6/26	20	58.4	410	410	476	1296	43.20
Henry	12265	35	6/25	17	60.0	351	515	426	1292	43.07
52Ab 9702	13435	39	6/27	13	59.8	351	555	340	1246	41.53
Kenya x Lemhi ²	13268	33	6/24	10	59.0	395	410	421	1226	40.86
Federation	4734	40	7/1	8	59.0	502	386	326	1214	40.47
Idaed	11706	32	6/17	25	60.0	435	370	365	1170	39.00
Thatcher	10003	35	6/23	22	59.2	360	420	330	1110	37.00
Marfed	11919	35	7/1	5	60.5	205	362	476	1043	34.77

Mean Yield	43.3
S.C. \bar{x}	4.9
L.S.D. (P = .05)	N. S.
C. V. = 11.32%	

Note: C. V. for Regional Report = 19.63%.