

Project 5023
Small Grains Investigations

All work with small grains, wheat, oats, or barley, is carried on under this project, whether fall or spring seeded, irrigated or dry, on or off station.

The 59-60 budget for this work is \$4614.45.

Work done and results included in this report in the order listed is as follows:

Winter Wheat

Western Regional Hard Red	Station	25	Varieties
Intrastate Hard Red	Station	25	"
Short or stiff straw winter	Station	11	"
Off-Station winter wheat	Sanders County	10	"
" " " "	Lake "	10	"
" " " "	Ravalli "	10	"
" " " "	Missoula "	10	"
" " " "	Mineral "	10	"
Foundation Seed Production	Station		
Winter Wheat Summary and Comments			

Spring Wheat

Advance Yield Spring Wheat	Station	20	Varieties	Irrigated
Advance Yield Spring Wheat	Station	20	"	Dryland
Western Regional White Wheat	Station	15	"	Dryland
Off-Station Spring Wheat	Lake County	10	"	Irrigated
Off-Station Spring Wheat	Ravalli County	10	"	Irrigated
Off-Station Spring Wheat	Missoula County	10	"	Dryland
Off-Station Spring Wheat	Mineral County	10	"	Dryland
Single rows of Idaho Selections				
Foundation Seed Production --- Wheat Quality Plots				
Spring Wheat Summary and Comments				

Winter Barley

Male-sterile Character.

Spring Barley

Malting and Advance Yield	Station	10	Varieties	Irrigated
Intrastate and Station	Station	25	"	Irrigated
Advance Yield	Station	9	"	Dryland
Intrastate and Station	Station	25	"	Dryland
Off-Station Barley	Lake County	10	"	Irrigated
Off-Station Barley	Ravalli County	10	"	Irrigated
Off-Station Barley	Missoula County	10	"	Dryland
Off-Station Barley	Mineral County	10	"	Dryland
Barley Feed Strips		6	"	Dry. & Irrig.

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Western Regional Spring Wheat Nursery grown at Creston, Montana, 1959
Seeded: May 6, 1959 Area harvested: 16 sq. ft.

Variety	C. I. No.	Head. Date	Pl. Ht.	Grams per Plot				Bu/A	Test Weight
				1	2	3	Total		
Onas	6221	7/12	38	555	605	405	1565	52.17	57.0
K. x L. ⁶ , 52AB 9702	13435	7/11	38	655	485	410	1550	51.67	57.0
255-6	13343	7/12	38	645	475	300	1420	47.33	59.25
Thatcher	10003	7/9	38	415	505	435	1355	45.17	57.0
2236 x Lee	13305	7/8	40	505	415	425	1345	44.83	55.75
294-5	13444	7/15	36	445	465	410	1320	44.00	57.25
Lemhi x H. F.	13053	7/11	38	370	510	425	1305	43.50	55.0
Federation	4734	7/12	36	490	470	337*	1297	43.23	56.5
Onas 53	13257	7/12	38	490	345	430	1265	42.17	57.25
Baart	1697	7/11	40	550	455	250	1255	41.83	59.0
Lemhi 53	13258	7/11	40	625	340	255	1220	40.67	57.75
Kenhi	13268	7/8	38	565	375	235	1175	39.17	56.5
Lemhi	11415	7/11	38	530	375	255	1160	38.67	55.75
Idaed	11706	7/6	38	500	335	274*	1109	36.97	57.25

Mean Yield - - - - - 43.9
S.E. \bar{x} - - - - - 4.7
L.S.D. (P = .05) - - - N.S.
C. V. = 10.71%

Note: Considerable bird damage to rep. 3. Nursery harvested before combine ripe dates taken to prevent further damage.

* Calculated by missing plot formula.