

PROJECT TITLE: Western Regional Spring Wheat Evaluation

PROJECT LEADERS: Bob Stougaard and Todd Keener, Kalispell, MT.  
Luther Talbert and Susan Lanning, Bozeman, MT.

OBJECTIVE:

To determine the adaptability of spring wheat varieties grown under high moisture conditions in northwestern Montana.

RESULTS:

Abundant precipitation levels in June contributed to high yields in the spring wheat nursery this year. The average yield for 1995 was 120 bu/a with thirty one of the thirty-three entries yielding above 100 bu/A. Penawawa, the soft white standard yielded 128.3 bu/A and the hard red standard, McKay, yielded 123.4 bu/A. Test weights were between 55.27 and 60.96 lb/bu with the average for the nursery being 58.73 lb/bu.

SUMMARY:

Lack of disease and lodging pressure contributed to high yields and good test weights in the majority of entries of the Western Regional Spring Wheat Nursery.

FUTURE PLANS:

Continue evaluation of new lines of spring wheat adapted for northwestern Montana.

Table 1. Agronomic data from the Western Regional Spring Wheat Nursery grown on the Northwestern Agricultural Research Center in Kalispell, MT. Planted: April 18, 1995 Harvested: September 11, 1995

VARIETY	YIELD BU/A	TEST WT LB/BU	HEADING DATE	HEIGHT INCHES
OR895181 PFAU.S/VEE#5.S,OR4895181	134.71	57.70	173.67	34.12
UT 1117 UT78S116-2746/906R	133.91	60.77	177.00	37.40
UT 1175 UT78S166-2746/906-R	130.68	58.57	176.00	38.06
OR493032 FCT 'S'	129.07	59.80	177.00	32.81
ID 456 ID184/ID187//TREASURE,A84	128.26	57.60	172.33	34.12
PI495916 PENAWAWA	128.26	58.20	174.33	34.12
OR487401 SN64/HN4//REX/3/EDCH/MEX/	128.26	60.97	177.00	34.78
ID 474 CENTENNIAL/ID0286,A85567S	126.65	59.87	173.67	35.43
OR488372 VEE.S/BOW.S	126.65	59.63	173.33	33.46
OR487410 CORVALLIS SEL.4870410	124.23	60.97	175.33	34.78
PI574538 WAWAWAI	123.42	60.37	170.67	34.78
UT 1146 UT78S166-2746/906-R	123.42	59.33	174.33	37.40
PI566596 ALPOWA	123.42	60.47	174.33	36.75
ID 492 ID0367/KLASIC,A89232S-3	123.42	60.37	170.00	36.09
ID 459 A73236-2-6/ID0186/3/SIG*2	122.61	57.47	173.00	34.78
ID 488 PI294994/4*CENNTENNIAL,ID	122.61	58.63	171.67	30.84
CI 17903 MCKAY	121.81	59.30	175.33	33.46
ID 476 A78240S-2/906R,A8541S-3	121.00	58.77	169.33	30.84
ML316402 SEL.ML-316-402	120.19	58.10	174.67	31.50
OR487374 CORVALLIS SEL.4870374	119.39	56.83	170.67	25.59
UT 2464 UT 78S 147-209/906R	118.58	59.53	177.00	36.75
CA 896 MAYA/NACUZARI, UC896	118.58	58.77	170.67	32.15
ID 462 ID203/ID166//WPB906R,ID85	117.77	60.20	172.33	34.78
ID 448 A771084S-B/ID246	116.97	56.77	176.33	33.46
UC 638 SERRA	114.55	58.93	170.33	31.50
SDM50014 VANCE/SUNSTAR1	114.55	59.30	176.33	34.12
ID 469 ID0285-115-6/ID0312-B-11,	114.55	58.37	167.67	30.18
FMBR9154 NW CONSORTIUM	113.74	57.50	167.00	31.50
ID 494 SUNDOR/ID0377,A89298S-2	110.51	59.20	167.67	29.53
CI 4734 FEDERATION	108.09	55.30	175.33	45.28
NKF 8002 KLASIC	102.45	58.13	167.33	24.28
FMBR5783 NW CONSORTIUM	99.22	57.23	171.33	24.28
OR489224 SNB'S'/PIMA,489224	98.41	55.27	177.33	30.84
EXPERIMENTAL MEANS	120.00	58.73	173.04	33.33
L.S.D. (.05 )	15.06	1.70	2.07	1.59