

**PROJECT TITLE:** Advanced Winter Wheat Nursery

**PROJECT LEADERS:** Bob Stougaard and Todd Keener, NWARC, Kalispell, MT  
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**OBJECTIVE:** Evaluation of winter wheat varieties for yield, quality and disease resistance.

**RESULTS:** Excellent yields were harvested from the Advanced Yield Nursery. The highest yield from the nursery was 129.6 bu/A from the variety Neely.

**SUMMARY:** Yields averaged 106 bu/A with the lowest yield being 67.5 bu/A from the variety Norstar. Test weights were normal also with the average test weight for the nursery being 60.99 lb/bu. The highest test weight was 62.53 lb/bu (MTS 92021). Heading dates were a few days later than normal.

**FUTURE PLANS:**

Continued evaluation of new and introduced lines is planned in the future through cooperative state-wide testing.

Table 1. Agronomic data from the Advanced Winter Wheat Nursery grown on the Northwestern Agricultural Research Center, Kalispell, MT.  
Planted: September 28, 1993 Harvested: August 5, 1994

VARIETY	YIELD BU/A	TEST WT LB/BU	HEADING DATE	HEIGHT INCHES
CI 17860 NEELEY	129.58	61.73	162.00	46.59
MT 8039 JUDITH	128.03	60.07	157.67	43.31
MT 9315 LNR/TBR//MT 7823/MT 7811	124.15	60.40	162.67	43.31
MTS92137 LEW/TBR//RDW	118.62	61.10	159.67	47.90
MT 9222 MT 7811/MT 7869//NWN/MT 7	118.12	60.80	158.00	45.28
MT 91192 WWP 4394/MT7811//MT7431/M	116.40	59.70	162.00	41.47
MT 9321 NWN/SMN82118//MT 7969/MT	116.30	59.77	161.00	37.40
MT 9335 MT 8095/NWN//MT 7823/SMN8	115.90	62.00	162.33	40.68
MTS92015 LEW/TBR//RDW	114.60	61.40	158.67	45.28
MT 9210 MT 80194/MT 7811//MT 8001	113.20	60.93	161.67	41.34
MT 9221 MT 7811/MT 7869//NWN/MT 7	112.20	61.23	158.33	46.59
MTS92135 LEW/TBR//RDW	111.75	62.40	158.67	43.31
MT 9206 MT693017/MT 7829//MT 7811	110.45	60.80	161.00	45.28
MTS92021 LEW/TBR//RDW	108.23	62.53	159.33	45.28
MT 9334 MT 8095/NWN//MT 7823/SMN8	107.92	60.43	159.67	38.71
MTS93047 MT88002/RDW	107.83	60.10	160.00	47.24
CI 17879 ROCKY	107.37	62.50	157.33	47.90
CI 17844 REDWIN	106.07	61.23	162.33	50.52
MT 9330 MT 8095/NWN//MT 7823/SMN8	105.90	60.50	159.00	42.65
MTS92045 LEW/TBR//RDW	105.73	61.87	158.00	44.62
MT 9307 SMN82118/TBR//NS26301/MT	105.30	61.60	160.67	51.18
MT 9316 TBR/SMN82287//MT 79111/NW	104.18	61.70	158.67	44.62
MTS92078 LEW/TBR//RDW	102.82	62.13	160.67	47.24
MT 9338 MT 8030/MT 7978//MT 7878/	102.75	60.27	160.33	42.65
MT 91366 MT7811/LOV24//MT7431/MT71	101.73	61.27	161.33	49.87
MT 9312 SMN82168/CC123922//SD 511	99.32	58.13	163.67	39.37
MT 91304 MT 7963/BBY//ODK/LCO	98.72	62.30	155.33	45.93
MT 9303 SMN82118/TBR//NS26301/MT	98.38	60.40	161.67	49.87
MTS92077 LEW/TBR//RDW	97.42	62.07	159.00	47.90
MT 9220 MT7951/NWN//MT7810/MT8003	96.37	59.80	159.00	51.18
MTSF2238 LEW/TBR//RDW	94.40	61.13	160.33	44.62
MT 9319 TBR/SMN82287//MT 79111/NW	93.48	61.70	158.67	43.96
MT 9318 TBR/SMN82287//MT 79111/NW	92.30	61.93	157.00	45.28
MT 91225 KS79H69/MT79121//FRD/NSR	91.57	60.80	157.33	49.21
MT 91429 NWN/LOV24//MT77066/MT7811	91.37	58.77	159.33	45.28
CI 17735 NORSTAR	67.48	60.13	164.00	55.77
MEAN	106.01	60.99	159.90	45.52
LSD (.05)	17.31	1.33	1.86	1.92