PROJECT TITLE: Advanced Yield Spring Wheat Nursery

PROJECT PERSONNEL: Bob Stougaard and Todd Keener, NWARC, Kalispell
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OBJECTIVE: To determine the adaptability of new and introduced spring wheat varieties grown under high moisture conditions in Montana.

RESULTS:

Yields were reduced slightly in comparison to harvests taken from the same varieties last year. Only four varieties had yields in excess of 100 bu/A (MT 9002, Owens, Stoa, and Penawawa). Test weights were normal for the location and averaged 59.4 lb/bu. Height and heading date information are given in Table 1.

FUTURE PLANS:

There are plans for continued evaluation of new and introduced lines of spring wheat in Montana by growing the Advanced Yield Spring Wheat Nursery.

Table 1. Agronomic data from the Advanced Yield Spring Wheat Nursery grown on the Northwestern Agricultural Reseach Center.
Date planted: April 7, 1992 Harvested: August 28, 1992

VARIETY	YIELD BU/A	TEST WT LB/BU	HEAD DATE	HEIGHT INCHES
MT 9002 EP-VOC-512/12/BUTTE	109.7	60.2	168	37.9
CI 17904 OWENS	106.7	58.8	168	34.0
ND 582 STOA	104.0	59.2	169	39.9
WA 6920 PENAWAWA	100.3	60.0	168	33.5
BZ684-23 BZ684-23	99.5	59.3	170	31.2
FA982220 FA 982-220	98.8	59.9	168	33.7
MT 8849 RS6880/MT7819	97.8	60.0	169	34.8
MT 9129 ALEX/MT7881	97.5	59.9	169	34.9
ND 606 AMIDON	97.1	58.9	170	42.4
MT 9153 BW574//NEWANA/FORTUNA	97.1	57.8	165	31.6
MT 9150 MT7810/3/BW559//TOB66/CNO	96.4	58.9	169	31.6
MT 9127 ALEX/MT7881	95.7	59.1	169	34.1
SWP-9521 SWP-9521	95.1	60.0	164	32.0
MT 9132 LEN/MT7819	94.3	58.3	169	31.4
MT 9151 MT7926//PI428419/BW559	94.2	58.2	163	34.3
MT 9109 GUARD//KRONSTAD'S-GALLO/M	93.5	59.7	163	33.6
CI 13596 FORTUNA	92.5	61.1	170	40.2
PI483235 GLENMAN	92.4	58.7	169	34.0
MT 9126 ALEX/MT7881	91.8	57.6	170	33.7
CI 17828 PONDERA	91.8	60.1	169	34.4
MT 9158 MEXSEL2315/LEADER	91.7	58.7	169	33.1
PH986-61 PH 986-61	91.2	58.6	164	29.3
MT 9113 PEWEE'SCM-31630/MT8065	90.6	58.8	170	31.1
MT 9122 MT8043//SELC/74-130-7	90.3	59.2	163	33.9
MT 9137 LEN/MT7819	89.6	57.9	169	34.3
C982-324 RAMBO	89.4	60.0	168	33.2
MT 9118 MT8190/4/CNO17C//KAL/BB/3	88.6	59.4	166	33.9
MT 9131 LEN/MT7819	88.3	57.8	170	35.8
MT 9157 BW574//NEWANA/FORTUNA	88.0	60.0	171	44.9
CI 17430 NEWANA	87.6	59.7	172	33.1
WB 926 WESTBRED 926	87.4	59.2	163	30.3
TR983239 TR 983-239	87.0	60.2	163	30.8
CI 17790 LEN	86.6	59.2	169	35.4
CI 10003 THATCHER	86.3	59.1	171	45.0
MT 9030 PONDERA/BUTTE	86.0	60.1	170	33.7
MT 9121 MT8043//SELC/74-130-7	85.5	59.2	163	31.9
CI 17429 LEW	84.8	61.4	171	40.9
PI486139 KLASIC	84.4	59.1	163	21.5
MT 9154 BW574//NEWANA/FORTUNA	84.1	61.2	171	41.9
CI 15930 OLAF	83.6	59.1	168	35.4
MT 8402 HI-LINE	82.5	60.3	166	30.5
MT 9117 MT8190/4/CNO17C//KAL/BB/3	82.1	59.0	169	32.9
MT 9115 CNO7C/4/KAL/BB/2/PCIS/3/M	81.2	60.0	166	33.1
MT 9159 NK715/BW559	80.9	58.7	169	39.8
ND CUT CUTLESS	78.5	59.2	167	35.2
MT 9162 MT7836/LEADER	78.4	58.0	163	30.8
MT 9160 FORTUNA/MN70170	78.2	60.0	166	41.5
MT 9161 FORTUNA/MN70170	75.9	59.9	170	43.2
BZ984326 WPB BZ 984-326	74.3	60.1	163	32.4
EXPERIMENTAL MEANS	89.99	59.36	167.66	34.74
LSD (0.05)	19.25	.73	2.15	2.55