

PROJECT TITLE: **Soft White Winter Wheat Evaluation**

PROJECT LEADERS: Bob Stougaard and Doug Holen, Kalispell, MT
 Phil Bruckner and Jim Berg, PS&ES, Bozeman, MT

OBJECTIVE: To evaluate soft white winter wheat lines for adaptability, quality, and disease resistance in northwestern Montana.

RESULTS: This study was terminated on April 29 due to an overall stand survival of 25%.

SUMMARY: 130 continuous days of snow cover led to severe levels of snow mold which became lethal to a bulk of the stand. Recovery of slightly infected plants was slow to non-existent due to extended cold and saturated soil conditions.

FUTURE PLANS: Continued soft white winter wheat evaluations with this 18 variety nursery in an attempt to identify cultivars best adapted for the Pacific Northwest and northwestern Montana's unique conditions specifically.

Table 1. Agronomic data from the Soft White Winter Wheat Nursery grown at the Northwestern Agricultural Research Center in Kalispell, MT.

Planted: September, 25, 1996

Harvested: Terminated

VARIETY	WINTER % SURVIVAL
ML 6W93-598	41.67
MACVICAR	36.67
LAMBERT	33.33
ELTAN	31.67
CASHUP	31.67
MALCOLM	28.67
ROD	28.33
KMOR	28.33
STEPHENS	28.33
LEWJAIN	28.33
DAWS	27.00
NEELEY	23.67
HILL 81	21.67
MCDERMID	20.00
BU 6W93-481	18.67
W301	16.67
MADSEN	13.33
GENE	5.67
MEAN	25.8
C.V.	75.4
LSD (.05)	32.2