

REPORT OF THE NATIONAL CERTIFIED SMALL GRAIN VARIETY REVIEW BOARD

The National Certified Small Grain Variety Review Board has considered the applications for certification of Vireo barley and two wheat varieties, MP-6B and Prospur, and has concluded that these varieties are eligible for certification.

<u>VARIETY</u>	<u>APPLICANT</u>	<u>BREEDER</u>
Vireo barley	Robert W. Matchett Northrup, King, & Company P. O. Box 1406 Woodland, California 95695	F. von Lochow-Petkus GMBH Zuchtstation Wetze 3411 Wetze uber Northeim, West Germany
MP-6B wheat	World Seeds, Inc. 2605 Oceanside Boulevard Oceanside, California 92054	Alfredo Garcia % World Seeds, Inc.
Prospur wheat	Northrup, King, & Company 13410 Research Road Eden Prairie, Minnesota 55343	CIMMYT Apartado Postal 6-641 Mexico 6, D. F., Mexico

PROSPUR WHEAT

1. Distinguishing characteristics: awned heads, white glumes, short stature, and well-developed beak on the glumes.
2. Adaptation: especially well adapted in the United States in the spring wheat growing areas west of the Missouri River, outside the high leaf rust hazard areas; particularly well suited for dryland and irrigated conditions in Washington, Oregon, Idaho, and Utah; does well under irrigation in northern California, but has not been evaluated on dryland there; good agronomic performance in Montana, both dryland and under irrigation, but quality data from Montana is lacking.
3. a. Plant and seed characteristics: a short wheat, equal to or slightly taller than Protor, with good resistance to lodging; fully awned, fusiform, lax and inclined spikes; good resistance to shattering; white, midlong to long, and midwide glumes; narrow and apiculate shoulders; acuminate beaks (about 4-5 mm. long); red, midlong, and hard kernels.
b. Variations: no unusual variations noted.
c. Growth habit: Spring habit.
d. Maturation: an early maturing spring wheat, with approximately the same maturity as Protor.
e. Disease resistances: resistant to the races of stem rust (e. g. 15B-2) and susceptible to races of leaf rust prevalent in the Midwest in 1972; has resistance to the races of leaf rust prevalent in the Pacific Northwest in 1972; stripe rust infection not observed either in the Pacific Northwest or in California; resistant to the races of powdery mildew prevalent in the Pacific Northwest in 1972.
f. Insect resistances: reaction to sawfly, aphid, greenbug, hessian fly, and cereal leaf beetle not tested.
4. Limitation of generations: only those which apply to wheat; no special requirements or limitations necessary to maintain varietal characteristics, so far as is known.

5. It was not stated whether or not Plant Variety Protection would be applied for.
6. Maintaining Breeder seed: Breeder's seed will be maintained by Northrup, King, & Company.
7. Certified seed of Prospur will be offered for sale in the spring of 1974 in Idaho, Washington, Oregon, and California.