

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 Prosper, 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.

MP-6B WHEAT

1. Distinguishing characteristics: a semi-dwarf variety with excellent straw strength, differing from other varieties in its resistance to stem rust. It is a hard red spring wheat variety to be utilized by the bread-making industry.
2. Adaptation: to be merchandised in Minnesota, South Dakota, North Dakota, Montana, Washington, Oregon, and California.
3. a. Plant and seed characteristics: MP-6B is short, under irrigation and dryland farming conditions; field observations seem to indicate that it carries a major single gene for dwarfness; a midseason (under irrigation and dryland farming conditions) of spring growth habit, daylight-length insensitive; white, strong, hollow stems; awned spike, with white awns averaging 72 mm., oblong, mid-dense, erect to inclined, and very resistant to shattering; white, long, and wide glabrous glumes; mid-wide and square shoulders; narrow and acuminate beaks, averaging 3.2 mm. in length. Kernels are red, short (average 5.9 mm.), hard, and oval, with a mid-size germ and mid-wide and mid-deep crease; rounded to angular cheek; mid-sized, mid-long, and non-collared brush.
b. Variations: very uniform at heading and maturity and also for height and rusts reaction.
c. Adaptation: very well adapted to practically all areas where spring wheats are growing.
d. Growth habit: Spring habit.
e. Special markers: none.
f. Disease resistance: MP-6B is resistant to all races of stem rust now prevalent in North Dakota and in Mathis, Texas; also resistant to all leaf rust races prevalent in North Dakota, but susceptible to a new and unknown strain found in Mathis, Texas. The tolerance of MP-6B to Septoria is as good as any of the known commercial varieties, with the exception of Era, which has better tolerance.
g. Insect resistances: no special resistance to insects noted.

4. Maintaining Breeder Seed: Seed classes being produced beyond Breeder seed are Foundation, Registered, and Certified. Only Certified seed will be offered to the public.
5. There are no particular requirements necessary in order to maintain the purity of MP-6B besides the practical principles of using a clean drill for seeding, a roguing schedule from heading through maturity, and a clean combine for harvesting.
6. Certified seed of MP-6B will be offered for sale for the first time in the fall of 1973.
7. Plant Variety Protection for MP-6B has been applied for.