

REPORT OF THE NATIONAL CERTIFIED SMALL GRAIN VARIETY REVIEW BOARD

The National Certified Small Grain Variety Review Board has considered the application for certification of MP-3 CF spring wheat and has concluded that this variety is eligible for certification.

VARIETY: MP-3 CF (Experimental Designation) PROPOSED NAME: WS-3

APPLICANT: World Seeds, Inc., 2605 Oceanside Blvd., Oceanside, California 92054

BREEDER: Alfredo Garcia

Information pertinent to certifying agencies which was requested on the application and the information submitted by the applicant are given below. The applicant should be contacted if additional information is desired.

MP-3 CF

1. Distinguishing characteristics: produces purple grains and has short straw.
2. Adaptation: will be merchandised primarily in high feed consumption areas such as the corn belt and probably the Pacific Northwest; primary uses will be for feed and for different types of industrial products; can be grown in practically any of the spring wheat areas where there is a demand for such a product.
3. a. Plant and seed characteristics: a short, mid-season spring wheat, with a strong, white hollow stem; oblong, awned, and mid-dense spike, erect to inclined and very resistant to shattering; long and wide glabrous white glume; narrow and elevated shoulders; narrow and acuminate beak, averaging 3.7 mm. in length; long light to dark purple kernels, averaging 7.4 mm. in length; hard and elliptical kernels, slightly shrunken on cheeks and slightly keeled on the dorsal surface, with a mid-sized germ, a mid-wide, mid-deep crease, with a dark spot by the tip, mainly angular cheeks, and a small, non-collared short brush.
b. Variations: very stable for agronomic characteristics such as height, heading, and maturity; not segregating to prevalent races of leaf and stem rusts.
c. Adaptation: has been grown on experimental and commercial scale in North Dakota, Montana, Oregon, Washington, and California, with excellent results, so is widely adapted.
d. Growth habit: spring.
e. Special markers: purple kernels.
f. Disease resistance: has shown field resistance to prevalent races of leaf and stem rusts; tolerance to Septoria leaf diseases needs improvement.
g. Insect resistance: no special resistance noted.
4. Maintenance; Seed classes being produced beyond Breeder's Seed are Foundation, Registered, and Certified, but only the Certified class will be sold to the public.

5. Purity: There are no specific requirements necessary to maintain the purity of MP-3 CF except to clean drills and combines during the planting and harvesting operations and to be sure that the roguing crew knows which off-types have to be pulled out. The roguing schedule starts at heading time and continues until the variety is completely ripe.
6. Certified seed of MP-3 CF was offered for sale in the fall of 1973.