

## D95-412

- A. Variety Name: D95-412 (not named as yet)
- B. D95-412 is a white awned, semi-dwarf durum derived from exploitation of a quality durum male sterile facilitated recurrent selection population established in 1994 by Arizona Plant Breeders, Inc. by crossing Cortez and Aruba onto the population.

D95-412 was increased from a single F2 head selection made in Arizona in 1995. F3 rows were grown in Montana in the summer of 1995. F4 plots were grown in Arizona in the 1995-96 season. F5 head rows were grown in Montana during the summer of 1996. Bulk F5 head rows were evaluated in 1996-97 in Arizona and California. Heads were pulled from bulk F7 plots in Arizona in 1998 and grown as F8 head rows in Montana during the summer of 1998. Bulk of head rows were used to establish fields in California and Arizona to produce the F9 generations which were designated as Breeders Seed. Breeders Seed is currently planted in Idaho to produce Foundation seed of D95-412 in the summer of 1999.

- C. The heading date for D95-412 is about one day later than Kronos and about one week earlier than Ocotillo. Plant height for D95-412, Kronos and Ocotillo were 89, 92 and 97cm respectively. Mature plant and heads are white like Kronos and Ocotillo. D95-412 has very short awns when compared to Kronos and Ocotillo. Average awn lengths for D95-412, Kronos and Ocotillo were 12.5, 14.5 and 16.5cm respectively. The beak on D95-412 is very short and pubescent. The rachis internode length for D95-412 was 5mm compared to 6 and 7mm for Kronos and Ocotillo respectively. Head length of D95-412 is about the same as Kronos. The head width of D95-412 is somewhat narrower than Kronos. D95-412 can be distinguished from Kronos by being shorter in height, having much shorter awns and rachis internodes. D95-412 can be distinguished from Ocotillo by being much shorter in height and having much shorter awns, rachis internodes and head lengths. D95-412 has durum grain, semolina and pasta quality characteristics equal to or superior to Kronos.