

8900082

EXHIBIT A

ORIGIN AND BREEDING HISTORY OF DUREX

Durex was derived by Farmers Marketing Corporation from a F₂ head selection made in a genetic male sterile facilitated recurrent selection population. This population was developed by the University of Arizona and released as AZ-MSFRS-86 Quality Enhanced Spring Durum Wheat Germplasm. A single plant from the F₃ headrow was selected in Montana and increased in El Centro, California, in 1986. The bulk F₅ was increased at Yuma, Arizona, in 1987. Forty-eight representative heads were snapped and grown in individual rows at Post Falls, Idaho, in the summer of 1987. Sixteen uniform nonsegregating rows were bulked to form the basis of the present designated breeders seed and increased at Yuma, Arizona in 1988. A portion was seeded at Idaho Falls, Idaho, and a limited amount of Durex seed is available for 1989 production.

Durex is uniform and stable. Rarely occurring genetic recessive male sterile plants were observed at flowering in the breeder seed increase. Some farther occurrence of male sterility is expected from outcrossed seed set on unidentified male steriles. Less than .5% of the plants were rogued from the breeder seed field in 1988. Over 80% of the rogued variant plants were dark awned. Less than .5% of these variant plants may be expected in subsequent generations. Forty-eight headrows are being grown in 1989 to reduce or eliminate male sterile and variant occurrence.

8900082 th 2/6/89

EXHIBIT B

NOVELTY STATEMENT (Amended 1-30-89)

Durex is most similar to Mexicali 75 in plant type and appearance except for the following differences:

1. Durex has a narrow and shallow seed crease; whereas, Mexicali 75 has a wide and shallow seed crease.
2. The cheeks of Durex are rounded while those of Mexicali are angular.

In addition the following differences are noted in the attached data sheets:

	DUREX	MEXICALI 75
Average Yield (Sacaton & El Centro)	7,811 lbs. per acre	8,622 lbs. per acre
Lodging at maturity (Sacaton & El Centro)	28.8 %	56.9 %
Protein (Sacaton)	13.4 %	10.3 %
Sedimentation (Sacaton)	63	40
Grain Protein (Pillsbury)	<u>14.35</u> % 15.40	<u>12.40</u> % 13.30
Flour protein (Pillsbury)	13.95 %	11.30 %
Protein (General Mills)	14.3 %	12.9 %