

Allis-Chalmers Milling Data-base (531 cultivars grown in crop years 1975 - 2000)

Milling quality is a very strong genetic trait. Milling Score consists of straight-grade flour yield, endosperm separation index (E.S.I.), and friability. Data represents Allis-Chalmers millings of shrivel-free grain from various locations and/or crop years (1975 - 2000). Every effort has been adopted to insure that milling-quality data is representative of the cultivar. However, there is a measure of uncertainty in data representing a cultivar with one milling only.

Historic cultivars dating to 1808 were acquired through the National Small Grains Collection, and grown with contemporary cultivars. Characteristics of the historic cultivars were compared with recorded plant descriptions; thus, there is a high level of confidence concerning the identity of the historic varieties.

## Cultivars With the Rye Translocation Genes

VARIETY	CLASS	LOC. OF	YEAR OF	N	TEST	TKW	MILL	ST.		FRIAB	FL	AWRC	BR.	COOK	FL.	WH	PROT
		RELEASE	RELEASE		WT.		SCORE	GR.	ESI		ASH		FL.	DIAM.	PROT	PROT	QLTY
Freedom	SRW	OH	1991	10	59.0	36.7	54.2	75.6	11.6	27.8	0.40	53.0	31.3	17.4	8.2	9.7	2
GR 876 (Agra)	SRW	OH	1988	8	61.3	36.8	56.4	75.7	11.1	28.0	0.39	51.7	28.3	17.4	9.7	11.2	1
Grant	SRW	IN	1993?	5	61.0	32.4	62.5	76.5	10.1	28.1	0.39	54.8	35.1	17.9	9.8	11.3	2
Pioneer 2510	SRW	IN	1991	20	62.1	37.6	73.8	77.4	8.8	29.4	0.40	54.3	33.1	17.8	8.5	10.1	2