

Variety	Market Class‡	Canopy Height (in)	Days to Maturity (DAP*)	Hundred Seed Weight (g)	Seeds / Pound	Test Weight (lb/bu)	Yield	
							2019 (lb/a)	2-Yr Avg (lb/a)
Zorro	BL	10	121	101	490	60.0	1424	2060
Powderhorn	GN	11	123	111	455	60.0	2194	1893
Eclipse	BL	12	121	134	338	57.9	1542	1669
Loreto	BL	11	125	91	542	60.5	1403	1558
Rosetta	PK	13	124	96	502	59.2	1505	1467
Merlot	SR	13	123	77	588	59.6	1980	-
ND112929-Pink	PK	14	120	113	426	58.3	1927	-
ND-Pegasus	GN	16	123	111	452	60.8	1799	-
NDF120287-Black	BL	11	121	104	474	60.0	1798	-
Black Tails	BL	12	124	100	487	56.4	1788	-
Viper	SR	15	122	99	492	60.4	1739	-
MEAN		12.4	122.4	103.3	477.0	59.37	1736.4	1729.4
C.V. (%)		14.5	1.7	31.3	30.4	3.91	24.9	-
LSD (5%)		3.0	2.9	46.7	208.0	3.35	536.0	-
LSD (10%)		2.5	2.4	38.9	173.1	2.78	445.9	-

* Days after planting 0: no lodging - 9: plants lying flat on the ground

‡ Market class: BL = Black, GN = Great Northern, SR = Small Red, PK = Pink

Location: Latitude 48 9.9222°N; Longitude 103 6.132°W

Elevation: 1902 ft

Soil test (0-6 in.): P=13 ppm; K=313 ppm; pH=7.6 ; OM=3.1%

Previous crop: Corn

(0-24 in.): NO3-N=15 lb/a

Planted: 5/21/2019

Yield goal: 2,500 lb/a

Harvested: 10/7/2019

Planting population: 125,000 seeds/a

Soil type: Lihen Loamy Fine Sand

Applied fertilizer: 265 lb/a of Urea (46-0-0) [6/4]

Plot size: 53 ft²

Herbicides applied: Prowl H2O 1.5 pt/a (5/23), Section 3EC 5.33 oz/a, Destiny HC 1.5 pt/a, 28-0-0 2 qt/a (6/24),

Rainfall: 19.5 in. (5/21 - 10/7)

Basagran 1 pt/a, Destiny HC 2 pt/a, Varisto 21 oz/a (6/26), Gramoxone 2.0 SL 2 pt/a, and Destiny HC 1 qt/ 100 gal (9/24)

Fungicides applied: Priaxor D 8 oz/a (7/12)