

Navy Bean Irrigated Variety Trial - NDSU

WREC, Nesson Valley, ND 2019

Variety	Canopy Height (in)	Days to Maturity (DAP*)	Lodging (0 - 9*)	Hundred Seed Weight (g)	Seeds / Pound	Test Weight (lb/bu)	Yield	
							2019 (lb/a)	2-Yr Avg (lb/a)
HMS Medalist	13	122	0	77	589	63.9	1447	1353
T9905	11	124	0	79	580	61.9	1303	1318
Blizzard	12	122	0	78	580	62.4	1221	1221
MEAN	12.1	122.3	0.0	78.1	583.1	62.75	1323.8	1297.4
C.V. (%)	13.3	1.5	0.0	5.6	5.6	1.32	17.4	-
LSD (5%)	ns	ns	ns	ns	ns	1.44	ns	-
LSD (10%)	ns	ns	ns	ns	ns	1.14	ns	-

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

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 ft^2

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)