

**NDSU Carrington Research Extension Center
2016 Variety Trial Data**

Corn - Dryland

Carrington (Page 1 of 3)

Brand	Hybrid	R.M.	Hybrid Traits ¹	Days to Silk	Ear Height inch	Plant Height inch	Up. Stalk Break ² 0 to 10	Grain Protein %	Starch Content %	Harvest Moisture %	Test Weight lb/bu	----- Grain Yield -----		
												2016	2-yr. Avg. bu/ac	3-yr. Avg. bu/ac
Channel	182-62	82	VT2PRIB	80.5	36.1	76.6	5.8	9.3	73.5	16.7	57.6	113.3	120.5	--
Channel	185-15	85	VT2PRIB	81.3	37.6	80.7	2.3	8.1	73.7	18.2	56.0	144.3	148.4	--
Channel	186-31	86	VT2PRIB	81.3	34.8	75.5	3.3	8.6	73.8	17.5	56.5	144.0	139.1	--
Channel	187-49	87	VT2PRIB	81.3	38.3	82.9	0.3	8.9	72.5	18.4	55.0	164.4	--	--
Dairyland Seed	EXP-08404	84	GTCBLL	80.8	31.9	68.9	7.0	8.0	73.5	16.0	55.8	141.1	--	--
Dairyland Seed	DS-9686	86	300GT	80.8	36.1	78.1	1.8	8.9	73.0	18.3	56.8	153.2	--	--
Frontiersman	85-H7 VT2Pro	85	VT2Pro	81.3	35.4	72.0	5.8	8.8	73.8	16.8	57.0	136.8	--	--
Frontiersman	89-J7 VT2Pro	89	VT2Pro	81.0	34.5	74.2	2.3	8.6	73.5	18.4	55.5	149.1	--	--
Frontiersman	91-E3 VT2ProRIB	91	VT2ProRIB	81.0	38.0	76.9	3.5	8.5	73.5	18.2	56.0	137.9	143.0	164.1
Frontiersman	91-C6 VT2ProRIB	91	VT2ProRIB	85.3	38.8	80.3	0.8	9.1	73.1	18.4	56.0	163.9	--	--
Integra	3142	81	VT2PRIB	81.0	35.6	75.7	4.7	8.9	72.9	16.0	58.4	105.1	115.1	131.8
Integra	3236	82	VT2PRIB	81.5	38.0	81.9	3.8	9.1	73.0	17.0	57.2	131.4	--	--
Integra	3325	83	GT/CB/LL	80.8	35.1	71.1	5.5	8.1	73.9	17.0	55.9	141.1	--	--
Integra	3537	85	VT2PRIB	81.0	34.3	73.9	1.0	8.7	73.1	18.1	56.8	148.1	149.6	156.0
Latham	LH3427	84	GTCBLL	82.0	40.6	82.4	1.3	9.3	73.7	16.4	55.3	142.9	145.2	--
Latham	LH3547	85	VT2Pro	80.8	35.6	73.2	3.5	8.8	73.2	17.7	57.0	133.9	--	--
Latham	LH3614	86	3011A	80.5	36.8	77.9	2.3	8.7	73.7	18.0	56.7	148.6	--	--
Latham	LH3877	88	VT2Pro	81.5	37.8	74.2	2.3	8.2	73.1	17.9	56.7	156.8	--	--
Latham	LH4097	90	VT2Pro	81.5	36.9	77.1	1.3	8.5	72.9	18.3	55.6	151.4	--	--
Legacy Seeds	L-2245	82	VT2PRO	82.0	37.2	76.5	3.8	9.0	72.8	17.2	57.9	127.6	--	--
Legacy Seeds	L-2314	83	VT2PRO	81.8	33.9	72.0	5.5	9.2	73.6	17.3	56.5	133.2	133.3	151.0
Legacy Seeds	L-2516	85	VT2PRO	80.8	32.6	69.9	6.5	9.1	72.9	16.8	57.0	129.2	--	--
Legacy Seeds	L-2643	86	VT2PRO	81.0	36.8	74.8	3.8	9.0	73.1	17.5	57.2	134.3	139.5	155.5
MEAN				81.1	35.5	75.7	3.5	8.8	73.3	17.5	56.6	137.5	--	--
C.V. (%)				0.8	8.4	4.7	38.2	4.4	1.0	3.3	1.0	8.2	--	--
LSD 0.10				0.8	3.5	4.1	1.6	0.45	0.8	0.7	0.7	13.2	--	--
LSD 0.05				0.9	4.2	4.9	1.8	0.54	1.0	0.8	0.8	15.7	--	--

Planting Date = April 29 ; Harvest Date = October 18 ; Previous Crop = Faba Bean

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Brand	Hybrid	R.M.	Hybrid Traits ¹	Days to Silk	Ear Height inch	Plant Height inch	Up. Stalk Break ² 0 to 10	Grain Protein %	Starch Content %	Harvest Moisture %	Test Weight lb/bu	----- Grain Yield -----		
												2016	2-yr. Avg. bu/ac	3-yr. Avg.
<i>* Please Note: Trial was impacted by significant hail storm on July 9.</i>														
Legacy Seeds	L-2916	88	VT2PRO	80.3	35.0	76.2	5.3	8.8	73.6	17.1	55.8	140.8	--	--
Legacy Seeds	L-2924	89	VT2PRO	81.5	37.6	82.7	1.5	9.3	72.5	18.1	56.1	134.2	147.7	--
Legend	LR 9487		VT2PRIB	80.5	34.3	75.2	2.0	8.8	73.7	18.1	56.9	159.6	151.5	162.0
Legend	LR 9587		VT2PRIB	81.0	34.7	74.4	1.8	8.8	73.3	18.6	56.8	147.2	151.2	--
Legend	LR 9583		RR	81.3	34.8	73.4	2.8	8.7	73.0	17.7	56.4	138.0	--	--
NorthStar	NS 81-188 VT2P	81	VT2P	80.8	37.5	78.3	4.0	9.1	73.1	17.2	57.2	128.9	--	--
NorthStar	X 84-349 3010A	84	3010 Artesian	81.0	34.4	72.5	6.3	8.0	73.5	16.8	56.4	142.7	--	--
NorthStar	NS 86-194 VT2P	86	VT2P	80.8	35.5	73.8	2.8	8.8	73.2	17.9	57.0	141.1	--	--
NuTech	5N-183	83	3000GT	80.8	36.2	79.9	1.5	8.7	73.7	17.8	56.2	145.1	147.6	--
NuTech	5N-886	86	3000GT	81.3	36.3	75.9	2.0	8.6	74.1	18.1	56.6	157.4	--	--
NuTech	X5B-8801	88	GT/CB/LL	80.5	32.1	77.6	2.8	8.4	74.4	17.3	55.9	130.3	--	--
NuTech/G2 Genetics	5F-091	91	Optimum AcreM	80.5	38.0	82.5	1.3	8.8	73.8	18.4	55.2	155.8	--	--
PFS	PFS71D83	83	VT2PRO	81.0	29.5	68.6	6.8	9.0	73.0	17.3	57.8	109.3	122.2	126.8
PFS	PFS79M83	83	VT2PRO	81.3	37.5	78.1	6.0	9.1	73.0	16.7	57.8	123.5	--	--
Proseed	1083	83	3000 GT	80.8	34.1	75.8	2.5	8.5	74.2	17.2	55.9	128.8	132.1	147.6
Proseed	1283	83	VT2P	80.8	31.3	69.5	5.8	8.6	73.4	16.8	57.6	112.3	114.5	125.6
Proseed	1483	83	VT2P	81.5	30.5	70.8	5.8	9.1	73.8	17.0	56.7	117.3	127.1	--
Proseed	1385	85	VT2P	81.3	37.2	81.5	1.5	8.9	72.7	17.8	56.8	144.6	152.6	166.4
Proseed	1286	86	VT2P	80.8	33.7	72.4	5.0	8.4	73.8	17.3	57.4	131.7	140.5	157.9
Proseed	1487	87	VT2P	80.3	37.3	77.1	3.0	8.8	73.2	18.1	56.6	145.3	--	--
REA Hybrids	1B820-RIB	82	RR2, Bt	81.3	34.1	71.7	6.0	9.3	73.7	16.8	58.2	119.3	129.0	139.0
REA Hybrids	2B840-RIB	84	RR2, Bt	81.3	36.2	76.7	4.3	8.6	73.2	17.2	56.3	141.0	136.3	--
REA Hybrids	2A871-RIB	87	RR2,Bt,CRW	80.8	30.5	71.9	3.5	9.2	72.1	18.9	56.1	133.7	141.0	152.7
MEAN				81.1	35.5	75.7	3.5	8.8	73.3	17.5	56.6	137.5	--	--
C.V. (%)				0.8	8.4	4.7	38.2	4.4	1.0	3.3	1.0	8.2	--	--
LSD 0.10				0.8	3.5	4.1	1.6	0.45	0.8	0.7	0.7	13.2	--	--
LSD 0.05				0.9	4.2	4.9	1.8	0.54	1.0	0.8	0.8	15.7	--	--

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												2016	2-yr. Avg. bu/ac	3-yr. Avg. bu/ac
Rob-See-Co	RC3418-3010A	84	Agrisure Artesia	81.3	32.1	67.4	7.5	8.3	73.1	16.5	56.0	130.4	--	--
Rob-See-Co	RC3601-3011A	86	Agrisure Artesia	80.8	36.3	76.5	2.5	8.9	73.5	17.9	56.4	148.1	163.3	--
Rob-See-Co	RC3834-3010	88	Agrisure 3010	80.8	36.0	79.6	2.3	8.9	73.9	17.4	55.9	146.1	--	--
Thunder	4383 VT2P	83	VT2P	80.8	32.5	71.0	5.3	9.0	73.6	17.4	57.7	109.4	114.5	123.8
Thunder	4585RR	85	RR	80.3	33.1	73.6	4.0	9.4	72.7	17.6	56.7	133.6	140.3	160.1
Thunder	6385 VT2P	85	VT2P	80.3	34.4	77.6	4.8	8.9	73.5	17.2	58.8	108.1	115.4	--
Thunder	6785 VT2P	85	VT2P	80.8	34.6	72.5	5.3	9.3	72.8	16.6	57.1	130.4	--	--
Wensman	W80866VT2RIB	86	VT2RIB	80.8	35.4	71.5	4.0	8.8	73.3	18.0	56.8	134.6	135.1	144.4
Wensman	W80874VT2PRO	87	VT2PRO	80.3	40.1	83.9	2.3	8.6	72.8	18.0	54.1	150.9	152.0	--
Wensman	W80880VT2RIB	88	VT2RIB	80.5	36.6	74.4	2.0	8.3	75.2	18.5	56.1	141.7	145.7	--
Wensman	W80891VT2PRO	89	VT2PRO	81.3	37.5	73.4	2.3	8.3	73.4	18.1	56.9	142.9	--	--
Wensman	W80906VT2PRO	90	VT2PRO	86.3	39.8	81.7	0.5	9.4	72.0	18.6	55.7	160.4	--	--
MEAN				81.1	35.5	75.7	3.5	8.8	73.3	17.5	56.6	137.5	--	--
C.V. (%)				0.8	8.4	4.7	38.2	4.4	1.0	3.3	1.0	8.2	--	--
LSD 0.10				0.8	3.5	4.1	1.6	0.45	0.8	0.7	0.7	13.2	--	--
LSD 0.05				0.9	4.2	4.9	1.8	0.54	1.0	0.8	0.8	15.7	--	--

Planting Date = April 29 ; Harvest Date = October 18 ; Previous Crop = Faba Bean

¹ Hybrid traits as reported by seed company when hybrids submitted for evaluation.

² Upper stalk breakage: Stalk breakage above the ear. Scored 0 to 10 where 0 = no breakage and 10 = 100% breakage.

** Four (4) replications were utilized to record each of the traits reported.