

**NDSU Carrington Research Extension Center
Oakes Irrigation Research Site
2011 Variety Trial Data**

Corn - Irrigated **Dickey County - Oakes (Page 1 of 3)**

Brand	R.M.	Hybrid	Hybrid Traits ^{Co}	Green ¹ Snap %	Silk Date	Ear Height inch	Plant Height inch	Grain Protein %	Grain Starch %	Grain Oil %	Harvest Moisture %	Test Weight lb/bu	-----Grain Yield ² -----		
													2011 ³	2-yr Avg.	3-yr Avg.
													-----bu/ac-----		
Ag Venture	85	2949	3000 GT	49	7/18	39	81	9.5	72.6	3.1	14.6	58.1	119.5	--	--
Ag Venture	88	2708	3000 GT	28	7/18	38	79	9.2	72.7	3.2	15.0	58.7	156.3	--	--
Ag Venture	92	4342	3000 GT	30	7/21	42	81	9.2	72.8	2.9	14.9	57.1	153.6	--	--
Ag Venture	95	4802	RL/HBW	20	7/19	46	86	9.2	72.8	3.1	15.3	56.9	186.0	--	--
Ag Venture	97	5267	RL/HBW	20	7/22	46	85	9.6	72.5	3.1	17.1	57.4	193.7	--	--
Ag Venture	101	5925	RL/HBW	7	7/23	44	85	9.5	72.5	3.2	16.6	56.7	233.8	--	--
Dairyland	91	ST-9291 SSX	SSX	44	7/23	41	82	8.9	73.2	3.0	14.8	56.6	160.4	--	--
Dairyland	92	ST-9992	VT3	31	7/20	39	78	9.4	72.8	3.1	15.2	58.6	166.9	--	--
Dairyland	94	ST-6494	SSX	35	7/23	44	87	8.8	72.9	3.1	14.5	57.9	161.7	182.2	--
Dekalb	92	DKC42-72	VT3	25	7/19	39	80	9.3	72.6	3.4	15.4	57.5	193.0	199.9	--
Dekalb	95	DKC45-51	GENSS	57	7/20	39	85	9.4	72.7	3.3	16.5	57.7	114.5	--	--
Dekalb	98	DKC48-12	GENSS	69	7/21	41	81	9.6	72.5	3.2	16.0	56.6	101.3	--	--
G2 Genetics	95	5X-795	HXX/RR2	12	7/19	46	85	9.3	72.3	3.4	15.6	57.3	208.7	--	--
G2 Genetics	95	5X-895	HXX/RR2	35	7/24	42	86	9.2	72.7	3.0	17.0	54.8	180.6	207.8	--
G2 Genetics	97	5H-797	HX1/RR2	25	7/31	51	96	9.4	72.4	3.7	24.2	55.0	200.9	213.7	--
G2 Genetics	100	5X-500	HXX/RR2	13	7/23	48	87	9.4	72.6	3.2	16.6	57.6	208.4	--	--
G2 Genetics	101	5H-0101	HX1/RR2	10	7/24	42	89	9.0	72.6	3.2	16.4	55.8	236.5	--	--
G2 Genetics	97	5H-597	HX1/RR2	79	7/22	42	80	9.5	73.0	3.1	16.7	55.4	72.6	--	--
G2 Genetics	101	5H-501	HX1/RR2	12	7/22	44	89	9.4	72.9	3.0	16.8	56.8	225.1	--	--
Garst	92	89T43	3000 GT	39	7/20	43	83	9.3	72.6	3.3	14.5	57.6	154.6	--	--
Garst	94	88R16	3000 GT	34	7/21	43	84	9.1	73.3	2.9	15.1	58.2	167.9	--	--
Garst	97	88W22	3000 GT	14	7/22	41	87	9.2	72.8	3.2	15.5	57.6	228.0	--	--
Garst	97	88V62	3000 GT	10	7/19	45	81	9.13	73.28	2.945	15.3	58.0	198.1	--	--
Hyland	92	Hyland 8386	SmartStax	48	7/19	40	83	9.6	72.5	3.1	15.1	59.0	136.8	--	--
Hyland	93	Hyland 8454	SmartStax	34	7/23	42	81	9.1	73.2	2.9	15.6	57.8	159.8	--	--
Hyland	94	Hyland 8377	SmartStax	47	7/23	41	80	9.5	72.8	3.0	14.9	56.3	151.0	--	--
Mean				31	7/22	43	84	9.3	72.7	3.1	16.1	57.3	172.2	--	--
C.V. (%)				27	0	5	2	2.29	4.7	0.8	3.6	1.0	10.6	--	--
LSD 0.05				11	1	3	3	NS	NS	NS	0.8	0.8	25.6	--	--

Planting Date = May 6; Harvest Date = October 20; Previous Crop = Soybean

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Brand	R.M.	Hybrid	Hybrid Traits ^{Co}	Green ¹ Snap %	Silk Date	Ear Height inch	Plant Height inch	Grain Protein %	Grain Starch %	Grain Oil %	Harvest Moisture %	Test Weight lb/bu	-----Grain Yield ² -----		
													2011 ³	2-yr Avg.	3-yr Avg.
													-----bu/ac-----		
Hyland	95	Hyland 8395	SmartStax	39	7/24	46	89	9.2	72.6	3.1	15.2	56.6	162.4	--	--
Hyland	98	Hyland 4424	SmartStax	28	7/24	42	84	8.8	73.2	3.1	16.4	57.9	165.1	--	--
Integra	95	9453 VT3	VT3	12	7/22	40	84	9.5	72.4	3.2	16.2	57.9	182.8	194.7	202.2
NuTech	97	5N-197	Ag3000GT	33	7/24	48	89	9.5	71.8	3.6	16.7	57.5	189.2	212.2	--
NuTech	99	3A-9901	GT	23	7/23	45	83	9.2	73.0	3.0	15.5	56.2	180.8	--	--
NuTech	100	5N-001	Ag3000GT	15	7/24	46	86	9.1	72.8	3.2	17.3	54.5	208.9	--	--
PFS	90	76R92	VT2PRO	39	7/20	40	81	9.3	72.6	3.2	14.9	58.2	152.3	--	--
PFS	95	48Q95	GT 3000	25	7/21	45	85	9.3	72.6	3.3	15.7	57.5	182.6	--	--
PFS	95	87V95	VT2PRO	19	7/22	34	75	9.7	72.4	3.3	17.0	57.5	203.8	--	--
Pioneer	99	P9910AM1	AM1, LL, RR2	16	7/24	45	88	9.3	72.6	3.1	16.5	54.7	222.0	--	--
Pioneer	96	P9630AM1	AM1, LL, RR2	25	7/22	47	85	9.4	72.4	3.3	15.8	57.3	189.1	--	--
Pioneer	99	P9917AM1	AM1, LL, RR2	26	7/23	44	83	9.3	72.9	3.0	17.2	57.2	199.1	--	--
Proseed	91	1191VT3Pr	VT3Pro	14	7/18	39	82	9.3	73.1	2.9	14.7	57.4	200.5	--	--
Proseed	93	1193VT3Pr	VT3Pro	52	7/20	37	80	9.0	73.1	3.1	14.8	58.9	129.8	--	--
Proseed	95	794 3000GT	3000 GT	24	7/21	44	83	9.6	73.0	2.7	15.2	58.0	177.0	189.8	--
Quality Seed Genetics	98	QSG 6198	CONV	62	7/24	48	92	9.9	72.1	3.2	18.6	56.0	99.4	--	--
Quality Seed Genetics	97	QSG 6197	CONV	25	7/25	48	90	9.3	73.0	3.3	19.2	55.1	186.2	--	--
Quality Seed Genetics	90	QSG 6190	CONV	17	7/22	48	85	9.1	73.0	3.1	15.7	57.5	169.3	--	--
Quality Seed Genetics	95	QSG 6095	CONV	66	7/24	42	84	9.0	72.8	3.2	15.9	57.3	85.0	--	--
Quality Seed Genetics	95	QSG 6094	CONV	21	7/23	50	90	9.3	72.7	3.3	16.1	58.1	160.8	--	--
Quality Seed Genetics	95	QSG 6095	RR	20	7/24	48	88	8.9	73.1	3.0	16.7	57.5	184.0	--	--
Renk	92	RK434VT3P	RR, Bt, CRW	43	7/21	41	81	9.1	72.8	3.2	14.9	58.4	143.3	182.0	199.2
Renk	90	RK302GTCBLLRW	RR, LL, Bt, CRW	35	7/21	44	83	9.3	72.6	3.3	14.8	57.3	153.5	--	--
Renk	94	RK530VT3P	RR, Bt, CRW	47	7/20	36	81	9.3	72.5	3.2	14.9	58.9	133.4	--	--
Renk	95	RK559VT3P	RR, Bt, CRW	30	7/21	42	82	9.1	72.8	3.2	15.2	58.6	169.9	191.0	--
Renk	96	RK585VT3P	RR, Bt, CRW	41	7/19	37	78	9.3	72.9	3.0	16.6	57.1	157.7	--	--
Mean				31	7/22	43	84	9.3	72.7	3.1	16.1	57.3	172.2	--	--
C.V. (%)				27	0	5	2	2.29	4.7	0.8	3.6	1.0	10.6	--	--
LSD 0.05				11	1	3	3	NS	NS	NS	0.8	0.8	25.6	--	--

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													2011 ³	2-yr Avg.	3-yr Avg.
Seeds 2000	96	9602 G3	3000 GT	19	7/21	46	84	9.7	72.9	2.9	15.3	57.5	210.8	215.6	--
Seeds 2000	99	9902 G3	3000 GT	32	7/23	45	83	9.4	72.9	2.9	16.1	57.6	175.7	--	--
Seeds 2000	101	3021 G3	3000 GT	35	7/23	44	85	9.5	72.7	3.1	17.6	54.8	196.7	--	--
Seeds 2000	98	2982 GT	GT	26	7/24	47	89	9.9	72.2	3.195	16.4	58.6	203.2	223.8	--
Terning	93	TS8229	VTDP2	31	7/20	35	75	9.7	72.4	3.1	14.9	57.9	155.8	--	--
Terning	96	8244	GT	43	7/22	45	84	9.5	72.6	3.1	15.4	57.4	145.1	--	--
Wensman	96	W7268VT3	VT3	14	7/22	39	80	9.6	71.9	3.5	16.7	57.4	200.0	214.4	--
Wensman	97	W7270VT3PRO	VT3PRO	41	7/19	38	83	9.5	72.8	3.1	15.2	58.3	165.0	--	--
Wensman	98	W7273VT3	VT3	25	7/24	42	81	9.5	72.7	3.0	17.2	56.7	187.6	204.8	211.9
Wensman	99	W7290VT3PRO	VT3PRO	60	7/23	37	81	9.3	72.8	3.0	17.1	57.6	118.2	--	--
Wensman	101	W7320VT3PRO	VT3PRO	4	7/21	39	84	8.9	72.9	3.0	17.8	58.1	234.0	--	--
Mean				31	7/22	43	84	9.3	72.7	3.1	16.1	57.3	172.2	--	--
C.V. (%)				27	0	5	2	2.29	4.7	0.8	3.6	1.0	10.6	--	--
LSD 0.05				11	1	3	3	NS	NS	NS	0.8	0.8	25.6	--	--

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^{Co} - Traits provided by company.

¹Percentage of stalks green snapped in each hybrid.

²Yield calculated @ 15.5% moisture.

³Regression shows a relationship of R²=0.86 for green snap influence on yield.