

NDSU Corn Hybrid Performance Trial

Company	Hybrid	RM	Grain Yield bu/A	PERF. INDEX PI	Grain Moisture %	Plant Density pl/A	Root Ldg %	Stalk Ldg %	Test Weight lb/bu
NK Brand	N27-B5	91	171.3	164.6	<b>16.9</b>	34276	0.0	1.2	<b>49.2</b>
NuTech	3W-484 RR/YGRW	84	146.3	127.9	18.4	32001	0.0	3.6	53.0
Peterson Seeds	PFS 56N87	87	141.3	122.2	18.6	35760	0.0	11.1	52.4
Pioneer	39D85	85	137.8	117.4	18.9	34792	1.4	2.7	52.2
NuTech	3C-393 RR/YGCB	92	136.2	114.2	19.2	33405	1.2	12.2	50.8
Peterson Seeds	PFS 62L90	90	132.8	116.8	18.2	33840	2.4	0.0	<b>49.5</b>
Renk	RK288YGCB	86	132.6	134.4	<b>15.9</b>	34356	0.0	4.2	52.6
Proseed	786Bt11	86	129.9	118.5	17.6	34227	0.0	1.4	<b>48.6</b>
NuTech	1B-186 CB/LL	85	129.8	114.4	18.2	32614	0.0	2.6	51.8
Proseed	781RR	81	128.6	109.2	18.9	35147	0.0	4.1	<b>46.9</b>
Terning	Exp	85	127.5	117.4	17.5	33534	0.0	3.8	<b>49.6</b>
Proseed	582Bt11	82	126.1	104.5	19.4	34276	0.0	2.5	<b>54.6</b>
Integra	65D85RB	84	126.0	134.7	<b>15.1</b>	33969	0.0	9.0	53.8
Renk	RK268RRYGRW	85	125.2	118.1	17.3	33534	0.0	<b>20.8</b>	52.2
NuTech	3A-389 RR	88	125.0	102.1	19.7	34356	0.0	3.1	51.0
Proseed	787RRCRW	87	124.8	110.8	18.1	34356	0.0	2.5	52.2
NuTech	3A-093 RR	90	124.2	88.8	<b>23.0</b>	33405	0.0	1.3	50.5
NuTech	1B-887 CB/LL	86	124.2	112.3	17.8	34356	0.0	0.0	<b>48.5</b>
NuTech	3C-882 RR/YGCB	80	121.2	124.9	<b>15.6</b>	34711	0.0	<b>22.0</b>	51.6
NuTech	3P-090 RR/YGPL	89	120.0	98.5	19.7	36195	0.0	10.7	<b>49.7</b>
Kruger	2087RR/YGCB	87	119.7	104.5	18.5	32001	0.0	3.3	53.9
NuTech	3A-995 RR	93	119.1	96.3	19.9	32743	0.0	12.1	<b>48.0</b>
Wensman	W4141	93	119.1	98.6	19.5	34663	0.0	12.0	<b>49.6</b>
NuTech	3T-393 VT3	92	116.4	95.5	19.6	34276	0.0	3.8	<b>48.7</b>
Proseed	P92RRBtCRW	90	115.9	98.3	18.9	32437	2.7	6.8	51.2
NK Brand	N25-N4	90	115.8	103.5	18.0	33485	0.0	8.3	52.6
Experimental	LH9800		114.1	86.9	<b>21.1</b>	33840	0.0	11.3	51.4
Pioneer	39B79	90	113.6	93.9	19.4	32743	0.0	8.8	<b>49.8</b>
Mycogen	2P174	85	113.0	102.9	17.6	33840	<b>5.1</b>	12.0	52.5
NuTech	3C-082 RR/YGCB	82	113.0	102.5	17.7	32614	0.0	8.0	52.2
Renk	RK438YGCB	92	112.6	96.3	18.8	34356	2.4	3.3	51.9
Wensman	W6087RR	86	112.5	97.9	18.6	32566	0.0	12.2	50.7
NuTech	3A-791 RR	90	112.0	89.4	<b>20.1</b>	33050	0.0	1.2	<b>49.8</b>

NDSU Corn Hybrid Performance Trial

Wensman	W5105Bt	90	111.2	101.8	17.7	34356	0.0	<b>18.2</b>	51.8
Wensman	W7118 VT3	92	110.6	89.4	19.9	33969	0.0	<b>23.6</b>	51.2
Terning	TS8230RRYGCB	92	110.0	91.6	19.3	32130	0.0	<b>14.1</b>	50.7
Experimental	TR3691Bt		109.1	110.6	<b>15.8</b>	32743	0.0	<b>19.3</b>	<b>57.2</b>
Proseed	690	90	107.9	85.9	<b>20.1</b>	34098	<b>9.1</b>	0.0	<b>48.1</b>
NuTech	3A-393 RR	91	107.5	85.7	<b>20.1</b>	33405	<b>5.9</b>	1.1	<b>48.4</b>
NuTech	3C-883 RR/YGCB	82	107.0	93.6	18.4	32743	<b>6.7</b>	3.3	54.2
NuTech	3C-191 RR/YGCB	90	106.3	86.5	19.8	34227	0.0	7.1	50.7
Kruger	1090RR	86	105.3	112.6	<b>15.3</b>	34276	0.0	2.6	51.6
Wensman	W7087BtRWRR	86	104.2	101.6	<b>16.6</b>	33050	0.0	5.8	52.9
Mycogen	2K154	83	104.2	90.2	18.6	33840	0.0	9.8	<b>55.5</b>
Proseed	581RRBtCRW	83	103.7	93.9	17.8	33921	0.0	1.5	53.2
Kruger	1087RR	87	101.7	92.0	17.8	33405	0.0	7.9	<b>54.5</b>
Mycogen	2P172	84	101.3	95.5	17.2	34356	0.0	<b>15.3</b>	53.2
Experimental	LH9897		100.7	87.3	18.7	33485	0.0	<b>12.9</b>	50.0
Mycogen	2J086	80	100.0	106.7	<b>15.1</b>	34276	0.0	<b>13.2</b>	53.1
Kruger	1082RR	82	99.6	88.6	18.1	33485	0.0	<b>23.8</b>	<b>56.5</b>
Wensman	W6117BtRR	92	99.5	84.1	19.0	32130	0.0	6.9	51.6
NuTech	3A-391 RR	90	98.9	85.4	18.7	34227	0.0	1.4	52.1
Wensman	W6084BtRR	84	96.2	92.8	<b>16.7</b>	32614	0.0	<b>30.0</b>	<b>54.9</b>
Kruger	1584RR	84	93.2	80.0	18.7	33485	0.0	6.9	52.9
Experimental	NP2328Bt		92.8	68.2	<b>22.0</b>	32437	0.0	8.0	<b>47.9</b>
NuTech	3C-383 RR/YGCB	83	91.3	82.5	17.9	34227	0.0	6.8	51.8
Experimental	TR4678		90.9	76.4	19.1	35147	0.0	7.2	<b>48.3</b>
Peterson Seeds	PFS 56E85	85	89.3	89.6	<b>16.1</b>	32437	0.0	4.6	53.9
Terning	TS8102RRYGCB	83	87.8	85.5	<b>16.4</b>	34663	0.0	0.0	53.5
Seeds 2000	2821RRBt	82	84.2	75.9	17.9	34792	0.0	0.0	51.4
Experiment	Mean		114.0	100.9	18.3	33727	0.6	7.9	51.6
LSD (0.05)			34.3		2.0	4595	5.0	17.9	3.2
CV			12.9		5.5	9	408.2	113.4	2.6

Planting Date 5/31/07

Harvest Date 10/31/07

Statistical Analysis and Presentation Date 11/01/07

Experiment conducted by the NDSU Corn Breeding Program