

**EXP 7 COLFAX (THIS IS ONLY ONE LOCATION, CHECK FOR COMBINED DATA OF THE SAME HYBRIDS IN SOUTHERN ND)
SENT FOR WEB POSTING ON OCTOBER 8, 2012**

The NDSU corn breeding program planted 36 experiments across >20 state locations in 2012. Of those experiments 25 were for breeding purposes and 9, specifically, to aid North Dakota farmers select their hybrids for planting in 2013. These are the Eastern ND Hybrid Corn Performance Trials and evaluate commercial hybrids available in the market.

In order to select the top hybrid for your farm you need to find all strengths and weaknesses of the hybrids available in the market. For instance, a hybrid with top yields at **only** one testing site in central North Dakota could be hiding weaknesses not easily seen in just one location. Growing the same hybrids across several testing sites will increase the chances to expose its weaknesses so that you can avoid planting it.

COMPANY	HYBRID NAME	Grain Yield bu/A	Grain Moisture %	Test Weight lb/bu	Stalk Lodging %	Root Lodging %	Dropped Ears %
Seeds2000	9504 VT3P	197.7	18.9	59.1	0	0.00	0
G2 Genetics	5X-9402™	194.3	17.9	57.5	0	1.43	0
Seeds2000	2903 GTCBLL	191.6	18.3	58.5	0	0.00	0
Seeds2000	9503 VT2P	189.6	19.5	60.0	0	0.00	0
Hyland	8300	188.9	18.5	57.4	0	0.00	0
Proseed	1288 3111GT	184.1	18.1	56.2	0	1.39	0
Northstar Genetics	96-596	182.3	19.6	58.2	0	0.00	0
Peterson Farms	PFS 75T93	179.3	17.5	58.5	0	0.00	0
Monsanto	DKC48-12	173.3	19.4	56.9	0	0.00	0
Pioneer Hi-Bred	P9675AMX	173.2	19.7	56.4	0	0.00	0
Peterson Farms	PFS 98L90	171.7	18.6	57.2	0	0.00	0
NuTech	5B-798™	168.6	18.9	59.3	0	0.00	0
Dahlman	Dahlman R47-35VT3P	167.4	21.5	56.4	0	2.86	0
Dahlman	Dahlman R48-32VT3P	167.1	17.8	59.5	0	1.39	0
Monsanto	DKC46-20	166.8	20.8	57.9	0	0.00	0
Proseed	990 3000GT	159.6	18.6	57.4	0	0.00	0
G2 Genetics	5X-795™	158.9	19.6	55.6	0	0.00	0
Wensman	W 7268VT3	158.4	20.8	58.1	0	0.00	0
Integra	9455VT3Pro	157.8	17.7	56.4	0	0.00	0
Stine Seeds	9207 3000GT	155.2	18.9	54.9	0	0.00	0
CHECK 5		154.8	21.9	56.7	0	1.47	0

NuTech	5B-9102	152.1	17.5	56.6	0	0.00	0
G2 Genetics	5X-895™	151.2	19.3	54.3	0	0.00	0
G2 Genetics	5Z-198™	150.5	19.2	52.3	0	0.00	0
G2 Genetics	5X-193™	149.9	18.8	57.6	0	2.86	0
NuTech	5N-001™	149.1	22.2	52.8	0	1.67	0
Proseed	1295 VT3P	148.8	18.4	59.6	0	0.00	0
Monsanto	DKC43-10	147.9	18.2	57.3	0	0.00	0
Wensman	W 7140VT3PRO	147.9	17.5	58.0	0	0.00	0
Pioneer Hi-Bred	P9411HR	141.5	18.4	59.8	0	0.00	0
Northstar Genetics	94-594	137.0	16.4	60.2	0	0.00	0
Hyland	8295	135.4	16.2	56.4	0	0.00	0
CHECK 4		133.9	21.3	55.2	0	1.47	0
Stine Seeds	9311 VT3 PRO	133.6	18.5	57.7	0	1.43	0
Peterson Farms	PFS 76R92	128.4	15.6	58.3	0	1.52	0
CHECK 3		127.9	14.7	59.2	0	0.00	0
Seeds2000	9202 VT2P	127.2	17.7	57.5	0	0.00	0
CHECK 1		126.6	19.2	57.6	0	0.00	0
G2 Genetics	5H-399™	120.7	19.8	56.4	0	2.70	0
CHECK 2		117.7	18.3	57.4	0	1.47	0
Proseed	1292 VT2P	117.0	15.6	58.7	0	0.00	0
Proseed	1193 VT3P	81.4	18.5	51.5	0	0.00	0
	EXPERIMENT MEAN	154.0	18.6	57.2	0	0.52	0
	LSD (0.05)	31.1	1.9	3.5	0	2.79	0
	CV	16.4	5.0	3.1	0	268.00	0
	EFFICIENCY RELATIVE TO						
	RCBD DESIGN	YES		YES		YES	
EXP 7 OF THE NDSU CORN BREEDING PROGRAM (COLFAX)							
A LATTICE EXPERIMENTAL DESIGN SHOWED MORE EFFICIENCY THAN USING A RCBD FOR MOST TRAITS							
THE LARGEST EFFICIENCY WAS FOR YIELD AT 107 %							
Drought and diseases affected specific hybrid yields (ear size) and quality. Long-season hybrids did escape drought due to early planting							
Barrenness limited yields							