

TABLE 5. Non-Irrigated Corn Test

North Region: LaGrange, MO (Lewis County)

Soil Type: Westerville Silt Loam Soil Test: pH=6.2, OM=1.8%, P=26, K=276

European Corn Borer Rating: Damaged Plants= 92%, Tunnel Length/Plant= 1.95 in.

Rainfall: Apr.=4.3, May=4.1, June=1.6, July=1.0, Aug.=4.0 Total=15.0 in.

Brand-Variety	Seed Treatment ⁺	2007			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2007	2006	
DEKALB DKC61-73 (RR2/YGCB)	9	31553	12.1	0	250.5**	--	--
MOF2 WJC-61	NA	29449	13.2	3	249.1*	--	--
Kruger 5116YGCB	6	31013	12.7	1	245.4*	--	--
AgriGold A6633BtRR	9	31098	12.3	0	244.5*	--	--
Renze 8428YGCB	9	30862	12.8	0	243.1*	--	--
NuTech 0C-213A YGCB	3, 5, 7, 8	29918	13.0	0	242.6*	--	--
LG 2614 BtRR	NA	30677	12.8	0	241.5*	--	--
NuTech 0C-213 YGCB	3, 5, 7, 8	30544	12.6	0	241.3*	246.9**	244.1
Merschman M-512C-3	4, 9, 10	30470	12.9	1	241.1*	--	--
Kruger 2517RR/YGCB	6	29112	11.9	3	240.8*	184.8	212.8
NuTech 0C-514 YGCB	9	30287	12.3	1	239.9*	--	--
Kruger 8414HX	6	31951	12.5	5	239.8*	201.6	220.7
NuTech 1B-909 CB/LL	5	31162	12.3	0	239.2*	--	--
DEKALB DKC63-46 (RR2/YGCB)	9	31246	12.1	0	239.2*	228.7*	234.0
Kruger 5013YGCB	6	30653	12.5	0	238.7*	--	--
NuTech 0C-413 YGCB	9	29266	12.5	0	238.7*	--	--
Lewis 7044 CB	9	30769	13.2	4	238.1*	212.7	225.4
Stone 8K339	9	29757	12.4	0	238.0*	--	--
MFA MORCORN MC4083 RR/CB	6	30275	12.7	0	237.0*	--	--
Dyna-Gro 57F06	9	28188	12.3	0	236.7*	--	--
Fontanelle 8N206	9	30329	12.7	0	236.3*	--	--
NuTech 3W-313 RR/YGRW	3, 5, 7, 8	29551	12.5	0	235.8	--	--
Midland MG 436BT	9	28845	12.2	2	235.5	207.0	221.3
Kruger 2212RR/YGCB	6	30028	12.4	0	235.2	--	--
Fontanelle 8B467	9	31346	12.7	0	235.1	--	--
NuTech 0C-616 YGCB	3, 5, 7, 8	29829	13.0	3	234.7	213.4	224.1
Dyna-Gro 57F37	9	30238	12.5	0	234.5	215.5	225.0
Renze 8386YGCB	1, 8, 9, 10	30410	13.0	0	234.4	233.0*	233.7
Kruger 5514YGCB	6	30437	12.5	0	234.4	214.5	224.5
Midland MG 417BT	9	30787	12.3	4	234.4	--	--
Kruger 2210RR/YGCB	6	30464	12.7	0	234.3	--	--
Garst 8294YG1/IT	5	29640	12.6	0	234.0	244.3*	239.2
Kruger 2613RR/YGCB	6	29936	12.2	2	233.8	--	--
Renze 5347HX1/LL	5	29824	12.4	0	233.8	--	--
Kruger 8310HX	6	29971	12.3	0	233.6	--	--
NuTech 3C-714 RR/YGCB	9	30555	12.6	0	233.5	--	--
Midland MG 617BT	9	28969	12.2	0	233.3	210.1	221.7
Pioneer 33K40 (HX1, LL)	2, 7, 8, 9	31474	12.8	2	233.2	210.9	222.1
Kruger 8616HX	6	30547	12.5	2	232.8	180.4	206.6
Taylor EXP 77640RR	9	29772	12.4	1	232.7	--	--
Kruger 5010YGCB	6	31013	12.7	0	232.6	--	--
NuTech 3A-113 RR	3, 5, 7, 8	29994	12.4	2	232.6	--	--
Garst 8456CB/LL	5	31369	12.2	0	231.5	--	--
DEKALB RX715RR2/YGCB	9	29169	12.7	1	231.4	236.4*	233.9
Merschman M-810H-3	8, 9, 10	29554	12.0	0	231.3	--	--

TABLE 5. Continued.

Brand-Variety	Seed Treatment ⁺	2007			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2007	2006	
Rainbow X1116HX	NA	29437	12.2	0	231.3	--	--
Midland MG 448BT/RR	9	29975	12.3	0	231.1	--	--
MFA MORCORN MC4283 RR/CB	6	29975	12.6	3	231.0	--	--
Lewis 4886 PL	9	29722	12.1	2	230.9	194.9	212.9
Garst 8353CB/LL	5	30913	12.4	1	230.9	--	--
NuTech 0C-912 YGCB	9	30227	12.2	0	230.8	--	--
Rainbow 3105YGCB	NA	30151	12.7	2	230.4	212.6	221.5
Midland MG 428BT/LL	9	28251	12.2	0	230.3	--	--
NuTech 0P-415 YGPL	5	30483	13.2	0	230.1	--	--
NuTech 0P-515A YGPL	9	30578	12.8	1	229.9	--	--
AgriGold A6594BtRR	9	30086	13.1	1	229.9	--	--
NuTech 0C-111 YGCB	3, 5, 7, 8	29820	12.5	0	229.9	--	--
NuTech 0C-614 YGCB	9	29581	12.9	1	229.8	--	--
Rainbow 3142YGCB	NA	29804	12.3	0	229.7	230.9*	230.3
NK Brand N76-D3	6	30324	12.6	0	229.7	208.6	219.2
Kruger 1015RR/YGCB	6	29871	12.6	0	229.7	--	--
MOF2 WJC-01	NA	27696	12.2	0	229.6	--	--
Kruger 2314RR/YGCB	6	30381	12.8	13	229.6	--	--
DEKALB RX785RR2/YGCB	9	30389	12.2	0	229.3	--	--
Merschman M-612D-3	4, 9, 10	30708	12.5	0	228.8	--	--
Stone 7N412	9	30199	12.8	0	228.7	--	--
Lewis 5245 CB	9	29878	12.9	0	228.1	--	--
Merschman M-711E-3	4, 9, 10	28789	12.2	1	227.9	--	--
Kruger 8112HX	6	28895	12.3	0	227.7	--	--
Champion CSX 1147 RR	7, 8, 9	26943	11.7	0	227.5	--	--
AgriGold A6479BtRR	9	30702	12.6	0	226.9	--	--
Kruger 2411RR/YGCB	6	30047	12.2	0	226.8	--	--
Kruger 8016HX	6	30615	13.0	1	226.8	--	--
NC+ 4445RB	6	29710	12.5	4	226.6	--	--
MFA MORCORN MC4183 RR/CB	6	29532	12.5	1	226.4	--	--
NuTech 0P-515 YGPL	9	30221	13.0	0	225.8	--	--
MFA MORCORN MC4072 CB	6	30455	12.5	0	225.8	214.0	219.9
Pioneer 34P89 (HX1,LL)	2, 7, 8, 9	29372	12.5	0	225.8	222.1*	224.0
NuTech 0C-313A YGCB	3, 5, 7, 8	29378	11.8	0	225.3	--	--
Kruger 4411RR/YGRW	6	29479	12.0	0	225.2	--	--
Renze 9328YGCB/RR	9	28447	12.3	0	225.1	--	--
LG 2642 BtRR	NA	29386	13.0	0	225.0	--	--
Kruger 0115	6	29849	12.7	0	225.0	--	--
NK Brand N68-B8	6	30010	12.0	0	224.9	218.0*	221.5
Champion CSX 1086 RR	9	30724	12.4	0	224.7	--	--
Taylor 930 RR/Bt	9	28307	12.4	0	224.4	--	--
Kruger 5014YGCB	6	29935	12.7	1	224.3	--	--
Fontanelle 8N762	9	31095	13.0	0	223.8	--	--
Kruger 2114RR/YGCB	6	30290	13.1	0	223.4	--	--
DEKALB DKC63-81 (RR2/YGCB)	9	30100	12.7	1	223.3	203.9	213.6
Fielder's Choice NG 6785	9	30072	11.6	3	223.3	--	--
Rainbow 3129YGCB	NA	30120	12.1	0	223.2	193.8	208.5
MFA MORCORN MC4483 RR/CB	6	29773	11.7	5	223.0	--	--
NC+ 5224RB	6	30709	13.0	1	222.9	--	--
MOF2 WJC-69	NA	29602	12.3	3	222.7	--	--
Stone 7S233	9	30297	11.7	0	222.5	--	--
Burrus 810R	4, 9, 10	30787	13.1	0	222.2	--	--
DEKALB DKC64-23 (RR2/YGRW)	9	29726	12.4	3	221.8	--	--
NuTech 0C-214 YGCB	3, 5, 7, 8	30357	12.9	4	221.8	--	--

TABLE 5. Continued.

Brand-Variety	Seed Treatment ⁺	2007			Yield		2 Yr. Mean
		Plant Population (no./acre)	Moisture (%)	Lodging (%)	2007	2006	
Crow's 4983S	6	30046	12.7	0	221.6	--	--
Garst 8452CB/LL	5	29505	12.3	0	221.4	210.1	215.8
Lewis 4567 CB/RR	9	28858	11.9	4	220.1	--	--
Rainbow X1076HX	NA	30557	12.1	2	219.3	--	--
Renze 9386YGCB/RR	1, 8, 9, 10	29507	12.5	1	219.1	--	--
Midland MG 5575BT	9	27416	12.2	0	219.0	--	--
Hubner H5808PL	9	28554	13.1	14	218.8	184.2	201.5
Fielder's Choice NG 6780	9	29195	12.4	2	218.7	--	--
Pioneer 34A16 (HX1/LL)	2, 7, 8, 9	28957	12.7	0	217.1	203.0	210.1
Rainbow 3158YGCB	NA	29775	12.8	1	216.8	174.6	195.7
Midwest Seed 77123S	6	29491	12.6	0	216.6	--	--
NuTech 3C-310 RR/YGCB	9	29701	12.1	0	216.4	--	--
NuTech 1H-916A HX	5	29278	12.7	4	216.2	--	--
Hubner H4677CB	9	24355	12.3	0	215.5	228.2*	221.9
Stone 7R667	9	28986	12.3	0	215.3	222.6*	219.0
Pioneer 33D13 (HX1, LL)	2, 7, 8, 9	30728	12.3	0	214.9	210.4	212.7
Crow's 4842 S	6	28359	12.4	3	213.8	--	--
NK Brand N71-L7	6	29687	12.6	0	213.0	--	--
Garst 8535YGI/TT	5	29710	12.1	0	211.7	201.1	206.4
Midwest Seed 78132S	6	30415	13.0	0	211.6	--	--
Rainbow X1176HX	NA	29184	12.8	0	210.3	--	--
MOF2 WJC-49	NA	28306	13.0	10	208.6	--	--
MOF2 WJC-55	NA	29843	12.6	0	207.8	--	--
NuTech 3C-908 RR/YGCB	9	29177	12.1	2	205.5	--	--
Merschman M-806B-2	8, 9, 10	29694	12.1	1	203.4	--	--
Merschman M-810B-2	8, 9, 10	29883	12.2	0	187.1	--	--
TEST AVERAGE		29869	12.5	1	227.8	206.5	217.2
L.S.D. AT .10		1374	0.5	4	14.2	29.1	
C.V. %		3.3	2.9		4.5	10.0	

-- Data not available.

** Highest yielding hybrid in the test.

* Yield not significantly less than the highest yielding hybrid in the test.

+ Seed Treatments: 1= Allegiance (Metalaxyl); 2= Apron XL (Mefenoxam); 3= Apron Maxx (Mefenoxam, Fludioxonil); 4= Captan; 5= Cruiser (Thiamethoxam); 6= Cruiser Extreme Pak (Thiamethoxam, Mefenoxam, Fludioxonil, Azoxystrobin); 7= Dynasty (Azoxystrobin); 8= Maxim XL (Fludioxonil); 9= Poncho 250 (Clothianidin); 10= Trilex (Trifloxystrobin)