

Pennsylvania Commercial Hybrid Corn Tests Report

Late-season hybrids (Maturity Zone 4) 1994 results

ADVANCED ENTRIES

Table 1 Late-season hybrid performances (Maturity Zone 4) Combined Penn State Commercial Advanced Entries (average of five locations) Data under Location Means indicate counties where values were obtained

BRAND-HYBRID	PERCENT-OF-CHECK			%H ₂ O GRAIN	BU/A GRAIN	% ERECT	LEAF DISEASE RATING	GLS RATING
	H ₂ O	YIELD	ERECT					
SCHLESSMAN SX661	95.7	96.7	103.1	24.9	175.1	96.3	1.8	0.5
EASTLAND E799	97.8	100.2	102.3	25.4	182.7	97.6	3.3	1.3
TERRA TR1145	97.4	97.1	101.4	25.4	178.7	96.9	2.3	1.3
DOEBLER'S 82XP	98.7	99.5	99.4	25.7	182.8	95.1	2.8	1.3
CARGILL 8127	99.1	93.8	97.0	25.8	174.0	92.9	3.2	1.0
PIONEER 3140	100.0	99.2	101.8	26.0	181.0	97.2	2.3	0.8
ASGROW RX897	99.9	103.1	102.9	26.0	186.2	96.2	1.8	1.2
HY PERFORMER HS9843	100.1	95.8	101.5	26.1	174.8	96.9	2.3	1.7
HYTEST HT7748	100.4	98.7	102.2	26.2	180.0	97.5	2.7	1.0
EASTLAND E7810	100.4	94.9	99.3	26.2	173.6	95.0	2.8	1.0
CARGILL 8327	100.5	100.4	101.3	26.2	184.0	96.8	3.0	1.3
FUNK'S G-4626	100.5	78.5	99.6	26.2	143.2	95.3	2.3	1.3
SCHLESSMAN SX722	100.9	99.7	99.7	26.3	183.9	95.4	2.5	0.8
DOEBLER'S 75X2	101.2	95.8	99.2	26.3	174.8	95.0	2.5	1.2
ICI 8285	101.1	98.1	99.9	26.3	179.8	95.5	2.8	1.3
HYTEST HT7728	101.9	102.6	100.4	26.5	187.4	96.0	2.7	0.5
DOEBLER'S 84XP	101.8	92.6	97.2	26.5	172.6	93.3	3.3	1.3
AGWAY AG 828	102.6	95.8	103.2	26.7	173.7	98.4	2.8	0.8
HY PERFORMER HS9848	103.0	94.1	101.8	26.8	170.8	97.2	2.5	1.0
MUNCY CHIEF XA7790	103.0	89.6	101.8	26.8	163.7	97.1	1.8	1.5
MYCOGEN 9220	103.3	104.9	99.1	26.9	192.2	94.7	2.7	1.0
MUNCY CHIEF XA8280	103.0	93.1	102.2	26.9	170.8	97.6	2.6	0.8
GREENLAND GL345	103.5	106.8	98.5	27.0	195.5	94.3	2.2	1.0
NORTHROP KING N8727	104.5	107.4	99.5	27.2	197.9	95.1	3.5	1.2
PIONEER 3192	104.5	95.3	102.2	27.2	173.3	97.5	1.2	1.0
FUNK'S G-4671	105.3	104.1	103.0	27.4	189.8	96.2	0.8	1.2
FUNK'S G-4672	107.3	105.5	102.0	28.0	191.2	97.4	0.7	0.5
MEANS	101.4	97.9	100.8	26.4	179.1	96.3	2.4	1.1
LSD (.05)	3.3	6.8	2.7	0.5	11.9	2.6	0.8	0.7
LOCATION MEANS								
Lancaster	99.2	103.4	102.5	25.4	142.6	85.7	2.4	
Lehigh	100.4	95.6	100.7	23.9	185.9	99.3		
Franklin	102.7	94.7	100.0	27.5	198.8	99.0		
Franklin	102.5	97.8	100.2	28.1	177.0	98.9		1.1
Berks	102.1	98.0	100.6	27.2	191.2	98.7		

NEW ENTRIES

Table 2 Late-season hybrid performances (Maturity Zone 4) Combined Penn State Commercial New Entries (average of five locations) Data under Location Means indicate counties where values were obtained.

BRAND-HYBRID	PERCENT-OF-CHECK			%H ₂ O GRAIN	BU/A GRAIN	% ERECT	LEAF DISEASE RATING	GLS RATING
	H ₂ O	YIELD	ERECT					
GRIES GSF8112	93.4	88.1	102.1	24.4	160.8	87.9	1.8	0.5
HORST S78SX	93.7	97.1	98.7	24.5	177.2	94.6	3.3	2.0
DOEBLER'S 777XP	95.1	101.4	100.8	24.8	185.0	96.8	2.1	1.3
HYTEST HT7510	95.8	94.6	102.8	25.0	172.7	96.6	1.4	0.8
MUNCY CHIEF XA777	95.8	86.7	98.8	25.0	158.3	94.7	1.4	1.5
HY PERFORMER HX46102	96.2	101.2	101.1	25.1	184.7	96.9	1.8	1.0

MUNCY CHIEF XA7766	97.1	92.0	99.3	25.3	167.9	95.2	2.7	1.3
CHEMGRO 7692	97.5	94.0	102.6	25.4	171.6	98.4	2.2	1.0
EASTLAND E799	97.6	94.6	99.3	25.5	172.7	95.2	2.6	1.0
HY PERFORMER HS9704	98.1	95.1	101.0	25.8	173.5	96.9	1.9	1.3
CARGILL 8127	98.5	97.8	98.1	25.7	178.1	94.1	3.0	1.3
DOEBLER'S 84XP	98.4	92.3	99.3	25.7	168.5	95.3	2.8	0.8
TERRA TR1130	98.1	103.2	100.1	25.9	188.4	96.0	2.5	1.3
TERRA TR1187	98.2	101.6	101.1	25.9	185.5	97.0	2.6	1.0
SCHLESSMAN SX807A	99.4	96.8	99.9	25.9	178.7	95.8	2.2	1.0
CFS W7877	99.1	93.8	101.3	25.9	171.2	97.2	2.7	1.0
DOEBLER'S 82XP	100.1	100.8	101.9	26.1	184.0	97.7	2.3	1.5
PIONEER 3140	100.1	105.9	101.3	26.1	193.3	97.2	1.8	1.0
CFS W8074	100.2	98.1	99.3	26.1	180.8	95.3	3.3	1.5
FUNK'S G-4626	100.4	87.3	100.8	26.2	159.3	96.4	2.6	1.0
PIONEER 3192	100.9	94.0	102.2	26.3	171.6	96.0	2.4	1.5
TERRA E1188	101.1	98.8	103.3	26.4	180.3	99.1	1.1	0.8
FUNK'S G-458A	101.1	103.2	100.0	26.4	188.3	95.9	1.3	1.3
GREENLAND GL382	101.4	91.3	101.5	26.5	166.6	97.3	1.6	0.8
DYNAGRO 5560	102.0	94.0	101.3	26.8	171.5	97.2	2.7	1.0
DYNAGRO 5509	102.2	88.5	101.8	26.7	161.4	97.6	1.9	1.0
CHEMGRO 7793	102.7	96.4	101.7	26.8	178.9	97.5	2.3	0.5
PIONEER 3163	103.3	105.3	101.1	26.9	192.1	96.9	1.2	1.0
MYCOGEN 8460	105.1	95.7	99.8	27.4	174.8	95.7	2.3	0.5
NORTHROP KING N8727	105.3	103.1	99.8	27.5	188.1	95.7	2.6	1.0
MEANS	99.3	96.4	100.7	25.9	176.0	96.6	2.2	1.0
LSD (.06)	1.9	5.3	2.9	0.5	10.7	2.7	0.6	0.8
LOCATION MEANS								
Lancaster	94.6	76.3	91.7	24.7	139.2	87.9	2.2	
Lehigh	89.8	97.8	103.5	23.4	178.5	99.3		
Franklin	104.9	106.8	103.0	27.4	194.9	98.8		
Franklin	104.6	100.1	102.6	27.3	182.7	98.4		1.0
Berks	102.8	101.2	102.8	26.8	184.7	98.6		

TWO-YEAR AVERAGE PERFORMANCE

Table 3 Late-season hybrids mean performance, 1993-94 (Maturity Zone 4)

BRAND-HYBRID	PERCENT-OF-CHECK			%H ₂ O GRAIN	BU/A GRAIN	% ERECT
	H ₂ O	YIELD	ERECT			
TERRA TR1145	97.0	94.7	101.0	25.6	165.8	97.6
CARGILL 8127	97.7	94.9	98.0	25.8	166.0	94.7
EASTLAND E799	96.1	97.8	101.0	25.9	171.2	97.6
ICI 8285	98.5	98.3	99.2	26.0	172.1	95.8
DOEBLER'S 82XP	98.5	98.2	99.9	26.0	171.9	96.5
HY PERFORMER HS9843	98.5	95.1	100.5	26.0	166.4	97.1
FUNK'S G4646	98.5	84.3	99.3	26.0	147.5	95.9
ASGROW RX897	98.9	99.7	101.2	26.1	174.5	97.8
CARGILL 8327	98.9	99.5	100.4	26.1	174.2	97.0
HYTEST HT7748	98.9	97.4	100.8	26.1	170.5	97.4
DOEBLER'S 75X2	99.2	95.3	99.1	26.2	166.7	95.7
GREENLAND GL345	100.0	102.8	99.0	26.4	179.9	95.6
PIONEER 3140	100.0	102.1	101.1	26.4	178.6	97.7
DOEBLER'S 84XP	100.0	96.8	98.3	26.4	169.4	96.0
HY PERFORMER HS9848	100.0	95.8	100.4	26.4	167.6	97.0
AGWAY AG 828	101.1	94.7	101.8	26.7	165.7	98.3
HYTEST HT7728	101.5	92.8	100.1	26.8	162.4	96.7
MUNCY CHIEF XA8280	102.3	94.4	101.3	27.0	165.2	97.9

SILAGE ENTRIES

Table 4 Silage performance of late-season hybrids (Maturity Zone 4).

BRAND-HYBRID	YIELD (T/A)	%H ₂ O PLANT	DRY MAT PLANT(T/A)
MUNCY CHIEF XA7766	16.8	58.1	5.9
MUNCY CHIEF XA7790	18.8	59.8	6.6
SCHLESSMAN SX772	19.8	66.0	6.9
DOEBLER'S 777XP	20.4	65.6	7.2
NORTHROP KING N8727	20.8	67.8	7.3
SCHLESSMAN SX807A	20.8	66.6	7.3
PIONEER 3192	21.0	63.6	7.4
HY PERFORMER HX46102	21.3	64.6	7.5
AGWAY AG 828	21.5	65.7	7.5
HY PERFORMER HS9843	21.9	67.2	7.7
CARGILL 9027	21.9	68.3	7.7
ASGROW RX897	22.7	66.4	8.0
DEKALB DK743	23.0	64.8	8.1
PIONEER 3140	23.4	63.4	8.2
DOEBLER'S 82XP	24.2	66.8	8.5
MEAN	20.9	65.0	7.3
LSD (.05)	3.7	4.3	1.3

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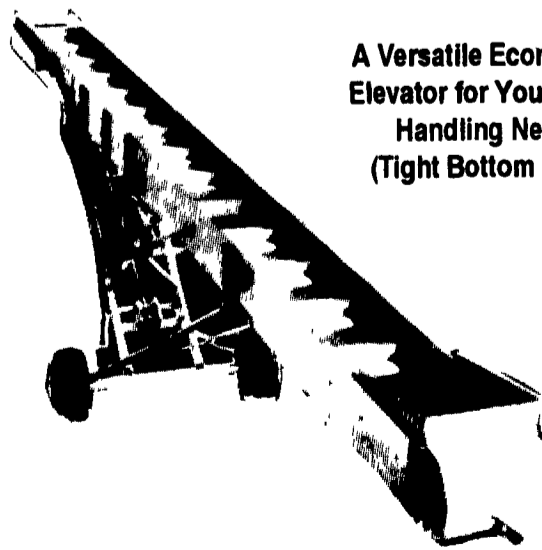
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