

# CORN TALK NEWS

PENNSYLVANIA MASTER CORN GROWERS ASSOC., INC.

## Maturity Zone 1

(Continued from Page 33)

GREAT LAKES GL438	104.1	98.2	109.6	24.5	127.4	97.0	83.7	36.3	2.2
FUNK'S G-4160	104.4	91.0	110.4	24.7	118.0	97.7	77.7	34.7	1.8
PIONEER 3751	105.1	103.6	105.9	24.8	134.4	93.7	83.0	38.7	1.0
PIONEER 3733	105.9	101.6	109.1	25.0	131.8	96.5	85.3	38.0	1.0
GREAT LAKES GL450	107.1	110.5	106.4	25.3	143.3	94.2	87.0	38.3	3.2
HYTEST HT318	107.7	120.2	104.1	25.4	155.9	92.1	91.7	38.7	1.5
NORTHROP KING N3624	107.8	108.3	109.9	25.4	140.4	97.2	86.0	39.0	2.0
FUNK'S G-4260	108.0	92.8	108.6	25.5	120.4	96.1	81.3	39.0	1.8
DEKALB DK524	108.2	125.6	104.3	25.6	162.9	92.4	86.7	41.3	2.0
EASTLAND E338	112.0	106.0	109.6	26.4	137.5	97.0	83.3	36.7	3.3
AGWAY AG 427	113.6	107.1	110.6	26.8	138.8	97.9	85.7	39.3	2.7
JACQUES 4770	115.0	107.2	103.8	27.1	139.1	91.9	86.0	39.7	2.8
DOEBLER'S 45XP	116.2	103.9	107.8	27.4	134.8	95.4	79.7	31.7	1.2
DEKALB DK485	117.0	112.6	108.6	27.6	146.1	96.1	80.3	35.3	3.2
GRIES GSF4100	119.1	98.9	110.4	28.1	128.3	97.7	89.3	41.7	2.7
FUNK'S G-4385	119.3	112.0	106.7	28.2	145.3	94.4	86.7	40.7	2.7
CARGILL SX269	128.1	127.1	108.8	30.2	164.8	96.3	89.0	33.3	2.2
MEANS	107.4	102.2	106.2	25.4	132.6	94.0	83.3	37.1	2.2
LSD (.05)	6.0	11.9	4.7	1.4	15.5	4.2	6.1	7.4	0.7
LOCATION MEANS									
Clearfield	109.1	103.6	114.8	27.3	120.9	90.6	83.3	37.1	
Bradford	110.8	93.3	100.2	27.5	151.1	99.1			
Centre	101.5	113.7	105.4	21.3	125.8	92.3			2.2

### NEW ENTRIES

Table 2 Short-season hybrid performances (Maturity Zone 1) Combined Penn State Commercial New Entries (average of three locations) Data under Location Means indicate counties where values were obtained

BRAND-HYBRID	PERCENT-OF-CHECKS			%H <sub>2</sub> O GRAIN	BU/A GRAIN	% ERECT	HEIGHT (IN)		NLS RATING
	H <sub>2</sub> O	YIELD	ERECT				PLANT	EAR	
AGWAY AG 261	92.8	87.6	98.3	22.3	114.7	88.7	80.0	35.7	1.8
FUNK'S G-4106	98.0	103.4	102.4	23.5	135.4	92.3	83.7	35.0	2.3
DOEBLER'S 48XE	99.0	101.1	100.1	23.8	132.4	90.3	85.3	32.3	2.0
FUNK'S G-4231	101.4	87.8	107.8	24.3	114.9	97.2	79.7	29.3	1.0
AGWAY AG 310	102.0	104.9	93.7	24.5	137.4	84.5	83.0	37.7	1.8
TERRA TR910	103.0	95.1	103.2	24.7	124.5	93.1	85.3	36.7	2.7
MUNCY CHIEL SX2220	103.9	74.7	99.7	24.9	97.8	90.0	76.3	35.7	2.3
CARGILL 2927	104.1	103.1	101.8	25.0	135.0	91.7	85.7	32.3	2.2
AGWAY AG EXP 311	104.6	96.1	109.3	25.1	125.8	98.6	84.0	35.7	2.3
DOEBLER'S 49XP	106.8	97.9	109.3	25.6	128.1	98.8	82.0	33.3	2.5
PIONEER 3751	107.4	102.9	105.7	25.8	134.7	95.4	87.0	38.3	1.7
AGWAY AG 272	108.8	85.8	106.4	26.1	112.3	96.0	83.7	40.7	2.0
NC+ 1991	109.3	107.8	103.4	26.2	141.1	93.3	82.0	36.3	3.2
DEKALB DK512	112.2	123.4	105.0	26.9	161.5	94.7	87.0	38.7	2.3
JACQUES 4970	112.5	99.5	93.9	27.0	130.3	84.7	82.0	35.0	2.7
DEKALB DK524	112.6	121.4	105.2	27.0	159.0	94.9	86.3	40.7	1.8
WETSEL PX95K	113.3	59.0	101.6	27.2	77.3	91.7	79.0	36.3	3.3
WETSEL PX85	113.7	97.9	107.0	27.3	128.2	96.5	80.3	33.7	2.8
GRIES GSF2393	113.8	87.1	108.6	27.3	114.1	97.9	88.7	41.7	2.2
FUNK'S G-4292	115.0	89.1	107.0	27.6	116.7	96.5	79.3	34.3	1.7
ANDERSONS PSX250	115.8	91.0	105.0	27.8	119.0	94.7	79.3	34.3	3.2

AGWAY AG 454	117.2	105.3	109.1	28.1	137.9	98.4	79.7	35.0	1.5
DEKALB DK522	119.9	126.1	106.0	28.8	165.1	95.6	85.3	33.7	3.0
HARDY HB6314	120.5	94.3	107.8	28.9	123.4	97.2	83.0	32.7	1.3
NC+ 3795	122.2	100.6	105.5	29.4	131.7	95.1	91.0	42.3	2.0
HYTEST HTX7228	123.5	113.0	101.4	29.7	147.9	91.4	82.7	38.7	2.5
NC+ 2944	125.3	111.2	102.9	30.1	145.5	92.8	94.0	43.0	1.5
EASTLAND E599	132.2	110.8	106.3	31.7	145.0	95.8	88.0	37.7	1.2
MEANS	111.1	99.2	104.0	26.7	129.9	93.8	83.7	36.3	2.2
LSD (.05)	7.1	11.7	5.5	15.4	4.9	1.7	5.6	6.6	0.6
LOCATION MEANS									
Clearfield	115.8	92.9	105.8	29.4	112.4	89.2	83.7	36.3	
Bradford	111.5	95.8	99.8	28.8	144.1	98.3			
Centre	105.4	110.0	107.0	21.8	133.2	94.0			2.2

### TWO-YEAR AVERAGE PERFORMANCE

Table 3 Short-season hybrids mean performance, 1991-1992 (Maturity Zone 1)

BRAND-HYBRID	PERCENT-OF-CHECKS			%H <sub>2</sub> O GRAIN	BU/A GRAIN	% ERECT
	H <sub>2</sub> O	YIELD	ERECT			
DOEBLER'S 29XA	95.3	87.4	104.5	20.3	101.7	93.6
AGWAY AG261	96.2	93.2	95.1	20.5	108.4	85.2
DOEBLER'S 48XE	97.7	98.0	102.7	20.8	114.0	92.0
FUNK'S G-4160	98.8	91.3	106.5	21.0	106.2	95.4
NORTHROP KING N3624	99.5	112.6	107.3	21.2	130.9	96.1
DOEBLER'S 35XP	99.5	95.4	104.4	21.2	110.9	93.5
FUNK'S G-4106	100.0	103.5	100.2	21.3	120.4	89.5
AGWAY AG295	100.0	98.7	98.5	21.3	114.8	88.3
AGWAY AG310	100.9	99.1	99.7	21.5	115.2	89.3
PIONEER 3921	101.9	81.9	105.0	21.7	95.3	94.1
HALSEY H188	103.0	97.3	101.3	21.9	113.2	90.8
FUNK'S G-4260	103.8	96.7	104.6	22.1	112.5	93.7
PIONEER 3751	104.7	106.3	102.9	22.3	123.6	92.2
GREAT LAKES GL438	105.6	106.1	106.3	22.5	123.4	95.2
PIONEER 3733	105.6	105.1	105.0	22.5	122.2	94.1
GREAT LAKES GL450	106.1	115.8	102.8	22.6	134.7	92.1
HYTEST HT318	109.4	121.8	100.1	23.3	141.6	89.7
DEKALB DK524	110.0	121.2	103.9	23.4	140.9	93.1
JACQUES 4770	110.0	112.1	101.8	23.4	130.4	91.2
DOEBLER'S 45XP	110.3	102.0	105.8	23.5	118.6	94.8
AGWAY AG427	112.7	107.6	106.0	24.0	125.1	95.0
EASTLAND E338	112.7	105.7	103.8	24.0	122.9	93.0
DEKALB DK485	113.1	113.7	105.4	24.1	132.2	94.4
FUNK'S G-4385	116.4	115.8	102.7	24.8	134.7	92.0
GRIES GSF 4100	116.4	102.6	107.7	24.8	119.3	96.5
CARGILL SX269	126.8	109.1	105.7	27.0	148.2	94.7
MEANS	108.0	103.5	115.0	22.6	121.6	92.7
LSD (.05)	5.3	12.7	5.4	1.2	17.6	4.7

### Cooperators and locations

Short-season hybrids were evaluated with the cooperation of the following persons: Owen Brackman, Bradford County; Frank Sankey, Clearfield County; Eugene Fesenmyer, Clarion County; Richard Warnshuis, Erie County; Dennis Zimmerman, Somerset County; and university farms, Centre County.

Results of the tests for short-season, early medium-season, late medium-season, and late-season hybrids are available as separate reports from county offices of Penn State Cooperative Extension

### SILAGE ENTRIES

Table 4 Silage performance of short-season hybrids (Maturity Zone 1)

BRAND-HYBRID	YIELD (T/A)	%H <sub>2</sub> O PLANT	DRY MAT PLANT(T/A)
HARDY HB6314	15.6	75.8	5.4
AGWAY AG 310	15.6	64.5	5.4
HYTEST HTX7228	15.8	76.5	5.5
DOEBLER'S 49XP	16.8	71.9	5.9
HALSEY H3939	17.0	72.7	6.0
AGWAY AG 427	17.4	73.9	6.1
PIONEER 3733	17.8	73.9	6.2
AGWAY AG 473	18.6	75.6	6.5
DEKALB DK524	19.2	72.8	6.7
HYTEST HT289	19.3	73.0	6.8
EASTLAND E495	19.4	75.0	6.8
AGWAY AG EXP 511	19.8	76.3	6.9
DOEBLER'S 65X	20.3	72.6	7.1
PIONEER 3592	20.3	75.5	7.1
PIONEER 3527	21.7	73.7	7.6
MEANS	18.1	74.0	6.3
LSD (.05)	3.2	3.3	1.1

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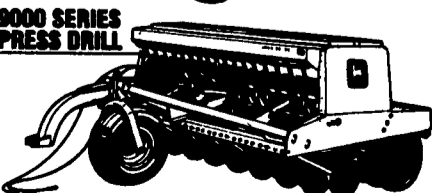
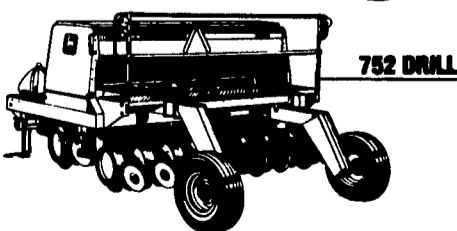
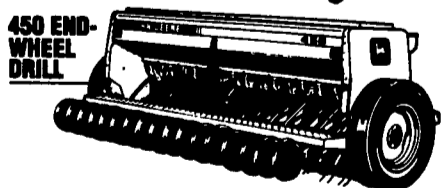
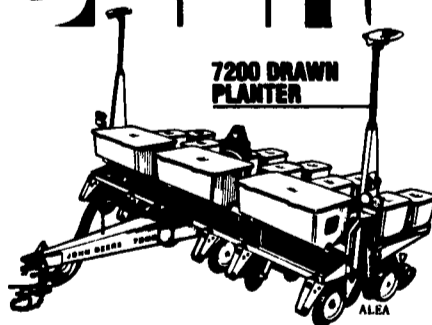
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