

CORN TALK NEWS

PENNSYLVANIA MASTER CORN GROWERS ASSOC., INC.

Maturity Zone 2

(Continued from Page 36)

TWO-YEAR AVERAGE PERFORMANCE

Table 3 Early-medium season hybrids mean performance, 1991-1992 (Maturity Zone 2)

BRAND-HYBRID	PERCENT-OF-CHECKS			%H ₂ O GRAIN	BU/A GRAIN	% ERECT
	H ₂ O	YIELD	ERECT			
PIONEER 3733	91.6	93.1	98.8	23.9	99.4	92.8
HALSEY H295	92.0	94.8	99.0	24.0	101.8	93.0
PIONEER 3592	94.3	101.0	96.8	24.6	108.5	90.9
DEKALB DK524	94.3	92.9	98.0	24.6	100.2	92.0
HALSEY H1105A	96.6	88.2	93.8	25.2	94.7	88.1
NORTHROP KING N4545	97.7	98.7	100.0	25.5	106.0	93.9
PIONEER 3527	98.5	106.1	101.7	25.7	114.0	95.5
HYTEST HT424	98.9	106.6	100.2	25.8	114.5	94.1
CARGILL 5327	98.9	96.2	97.6	25.8	103.3	91.6
HALSEY H1107	100.4	94.9	96.5	26.2	101.9	90.6
DOEBLER'S 57XP	100.8	93.8	94.6	26.3	100.7	88.8
PIONEER 3394	101.5	115.9	102.1	26.5	124.5	95.9
DOEBLER'S 64XP	101.5	103.6	101.1	26.5	111.3	94.9
WETSEL W56	101.5	102.4	98.5	26.5	110.0	92.5
DOEBLER'S 65X	101.9	99.3	99.7	26.6	106.6	93.6
GRIES GSF 5106	102.7	102.6	99.5	26.8	110.2	93.4
AGRI GENE GA6831	103.1	102.8	98.8	26.9	110.4	92.8
NC+ 4275	104.2	107.5	100.5	27.2	115.5	94.4
NC+ 4616	104.2	106.0	98.6	27.2	113.8	92.6
DOEBLER'S 61X	104.2	103.1	99.0	27.2	110.7	93.0
HYTEST HT512	104.6	106.2	97.1	27.3	114.1	91.2
AGWAY AG588	104.6	96.9	99.8	27.3	104.1	93.7
EASTLAND E599	104.6	90.9	102.8	27.3	97.6	96.5
DEKALB DK582	104.6	86.3	98.8	27.3	92.7	92.8
IGI 8513	106.5	103.2	99.9	27.8	110.8	93.8
HUBNER H3709	107.3	107.7	101.0	28.0	115.7	94.8
FUNK'S G-4472	108.0	102.7	100.6	28.2	110.3	94.5
ANDERSONS PSX370	108.4	100.9	102.3	28.3	113.2	96.1
AGWAY AG658	108.4	96.1	100.2	28.3	103.2	94.1
GRIES GSF6110	109.2	106.1	99.8	28.5	113.9	93.7
GREAT LAKES GL582	109.6	101.6	99.5	28.6	109.1	93.4
PRAIRIE STREAM SX420	110.3	105.7	99.9	28.8	113.5	93.8
DOEBLER'S 66XP	110.3	105.4	98.5	28.8	113.2	92.5

SILAGE ENTRIES

Table 4 Silage performance of early medium-season hybrids (Maturity Zone 2)

BRAND-HYBRID	YIELD (T/A)	%H ₂ O PLANT	DRY MAT PLANT(T/A)
AGWAY AG 710	17.0	76.4	5.9
HALSEY H3593	17.7	69.2	6.1
AGWAY AG EXP 611	19.0	71.2	6.7
EASTLAND 652	19.6	69.2	6.8
DOEBLER'S 69XP	20.2	75.8	7.1
HYTEST HT525	20.6	70.0	7.2
HARDY HB6450	20.4	68.0	7.2
WETSEL S120	20.6	72.2	7.2
HARDY HB6500	20.9	69.2	7.3
AGWAY AG EXP 721	21.1	71.7	7.4
PIONEER 3394	21.8	71.6	7.6
GREENLAND GL211	22.7	70.0	8.0
DOEBLER'S 75XMOD2	22.8	73.5	8.0
EASTLAND E799	23.0	73.0	8.0
NC+ 5963	23.1	70.2	8.1
GREENLAND GL221	23.3	70.3	8.2
ASGROW RX745	23.3	71.9	8.2
PIONEER 3241	24.1	69.5	8.4
PIONEER 3527	26.3	67.2	9.2
MEANS	21.2	70.8	7.4
LSD (.05)	2.4	2.4	0.8

ASGROW RX706	111.5	100.8	98.1	29.1	108.3	92.1
JACQUES 7970	112.6	100.4	93.0	29.4	107.8	87.3
MEANS	103.1	100.8	99.0	26.9	108.2	93.0
LSD (.05)	4.1	10.1	4.0	1.0	10.2	3.8

Where trade names appear no discrimination is intended, and no endorsement by Penn State Cooperative Extension is implied.

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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.

Members of the county based extension staff assisted in conducting these tests. Their efforts were essential to the successful completion of the trials, and were greatly appreciated.

This report represents the combined efforts of extension, research, and service personnel in the Departments of Agronomy and Plant Pathology (M W Johnson, and J E Ayers).

The tables in this report may be reproduced only in their entirety.

Late Medium-season hybrids (Maturity Zone 3) 1992 results

Growing conditions

Planting in this zone was begun on April 29 and completed by May 11. Germination and emergence were good at all sites but below normal temperature throughout the growing season delayed maturity. Soil moisture levels were generally above normal throughout the growing season. Because of the delayed maturity and slow grain dry-down harvesting was not begun until the last week of October. Although it was completed the third week of November, grain moisture remained excessively high.

Diseases, insects, and other pests

The incidence and severity of diseases varied throughout this maturity zone. The amount of gray leaf spot (GLS) was quite high at the Lycoming County location, and ratings are given in Tables 1 and 2. Some GLS was noted at the other locations, but was not significant.

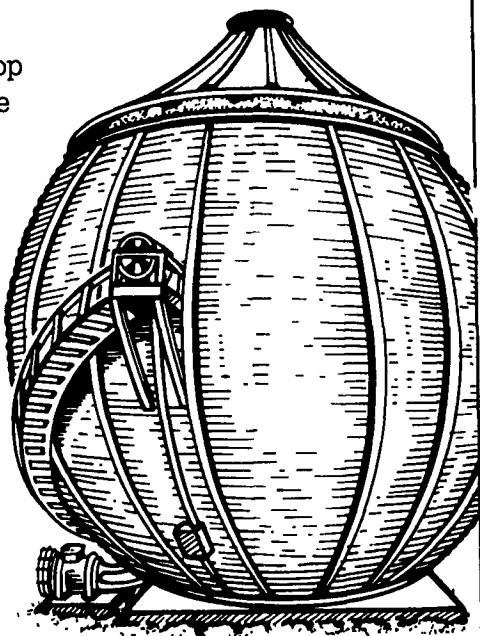
(Turn to Page 39)

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New Loans For Low-Grade Corn

WASHINGTON, D.C. — The USDA has announced two programs to provide recourse loans to producers who have certain grades of corn that is ineligible for the regular loan programs.

Corn that is low-test weight, whether stored on farm or in warehouses, is eligible for recourse loans at a rate determined on the grade of the commodity, based on the test weight. Corn that has been cracked, rolled, or crimped is eligible for recourse loans at 70 percent of the county non-recourse rates.

Program provisions follow:

- The farm- and warehouse-stored loan rate for low-test weight corn will be determined on the grade of the commodity, based on the test weight and will reflect the loan premiums and discounts applicable to that grade. These adjustment levels are available at county Agricultural Stabilization and Conservation Service offices.

(Turn to Page 46)

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