

Corn Tests Report

(Continued from Page 14)

| | | | | | | | | | |
|---------------------|-------|-------|-------|------|-------|------|------|------|-----|
| EASTLAND E799 | 104.7 | 109.3 | 101.7 | 28.5 | 130.0 | 97.6 | 91.0 | 45.4 | 1.6 |
| EASTLAND E7810 | 105.5 | 108.1 | 101.3 | 28.7 | 128.6 | 97.3 | 88.3 | 37.6 | 1.7 |
| WETSEL W80 | 105.9 | 96.2 | 99.0 | 28.8 | 114.4 | 95.0 | 89.4 | 51.4 | 1.5 |
| SCHLESSMAN SX722 | 106.5 | 104.7 | 101.8 | 28.9 | 124.6 | 97.8 | 85.4 | 38.8 | 1.5 |
| MUNCY CHIEF XA7790 | 106.5 | 93.2 | 100.2 | 29.0 | 110.9 | 96.2 | 86.9 | 42.6 | 2.0 |
| NC+ 6485 | 106.5 | 104.7 | 100.6 | 29.0 | 124.6 | 96.6 | 92.5 | 48.8 | 2.2 |
| DOEBLER S 75X2 | 107.8 | 99.7 | 101.3 | 29.3 | 118.6 | 97.2 | 83.5 | 42.7 | 1.8 |
| NORTHROP KING N7989 | 108.9 | 101.6 | 101.6 | 29.6 | 120.9 | 97.6 | 88.4 | 45.0 | 1.3 |

| | | | | | | | | | |
|-----------|-------|-------|-------|------|-------|------|------|------|-----|
| MEANS | 101.3 | 100.6 | 100.3 | 27.5 | 119.7 | 96.3 | 87.0 | 41.5 | 1.7 |
| LSD (.05) | 2.7 | 7.6 | 2.0 | 0.7 | 9.1 | 2.0 | 4.5 | 5.3 | 0.5 |

| | | | | | | | | | |
|----------------|-------|-------|-------|------|-------|------|------|------|-----|
| LOCATION MEANS | | | | | | | | | |
| Junata | 90.8 | 88.0 | 101.8 | 24.7 | 104.8 | 97.7 | | | |
| Lycoming | 93.4 | 140.7 | 102.6 | 25.4 | 167.4 | 98.5 | 87.0 | 41.5 | |
| Clinton | 117.8 | 77.5 | 103.2 | 32.0 | 92.2 | 99.0 | | | |
| Dauphin | 106.5 | 115.7 | 94.3 | 29.0 | 137.7 | 90.5 | | | |
| Blair | 92.3 | 88.0 | 100.1 | 25.1 | 104.7 | 96.1 | | | |
| Centre | 106.8 | 93.9 | 99.8 | 29.0 | 111.7 | 95.8 | | | 1.7 |

NEW ENTRIES

Table 2 Late medium season hybrid performances (Maturity Zone 3) Combined Penn State Commercial New Entries (average of six locations). Data under Location Means indicate counties where values were obtained.

| BRAND HYBRID | PERCENT OF CHECKS | | | %H ₂ O GRAIN | BU/A GRAIN | % ERECT | HEIGHT (IN) | | LEAF DISEASE RATING |
|---------------------|-------------------|-------|-------|-------------------------|------------|---------|-------------|------|---------------------|
| | H ₂ O | YIELD | ERECT | | | | PLANT | EAR | |
| HY PERFORMER HY9424 | 89.0 | 93.0 | 100.7 | 24.6 | 111.9 | 97.8 | 82.2 | 40.8 | 2.0 |
| FUNK S G 4394 | 91.4 | 94.3 | 100.9 | 25.2 | 113.4 | 98.0 | 86.1 | 38.6 | 2.4 |
| HUBNER H9207 | 94.7 | 98.5 | 99.6 | 26.1 | 118.4 | 96.6 | 82.9 | 40.1 | 1.5 |
| AGWAY AG 723 | 94.6 | 100.9 | 100.5 | 26.1 | 121.4 | 97.6 | 87.7 | 39.1 | 2.0 |
| HUBNER H9105 | 95.8 | 96.3 | 98.3 | 26.4 | 115.9 | 95.4 | 88.0 | 40.8 | 1.7 |
| FUNK S G 4473 | 95.5 | 98.1 | 100.0 | 26.4 | 118.0 | 97.1 | 91.5 | 43.0 | 1.5 |
| HY PERFORMER HY9487 | 96.4 | 95.0 | 98.4 | 26.6 | 114.2 | 95.6 | 86.9 | 39.2 | 1.7 |
| ICI 8501 | 96.4 | 97.4 | 97.2 | 26.6 | 117.2 | 94.4 | 87.2 | 40.6 | 2.1 |
| DEKALB DK628 | 97.1 | 93.9 | 100.8 | 26.8 | 112.9 | 97.9 | 85.7 | 35.6 | 1.6 |
| PIONEER 3295 | 97.0 | 97.7 | 97.7 | 26.8 | 117.5 | 94.9 | 87.3 | 38.2 | 1.7 |
| FUNK S G-4494 | 97.5 | 100.4 | 99.2 | 26.9 | 120.8 | 96.3 | 85.8 | 41.3 | 2.2 |
| HUBNER H9213 | 97.7 | 103.4 | 100.6 | 27.0 | 124.4 | 97.7 | 82.8 | 41.1 | 2.3 |
| CFS W7553 | 98.1 | 84.2 | 100.8 | 27.1 | 101.3 | 97.9 | 68.8 | 34.2 | 2.2 |
| DOEBLER S 66XP | 98.5 | 96.1 | 99.3 | 27.2 | 115.6 | 96.4 | 80.5 | 35.7 | 1.5 |
| AGRI GENE AG5955 | 98.8 | 96.1 | 101.0 | 27.3 | 115.6 | 98.1 | 79.9 | 37.9 | 1.0 |
| NORTHROP KING N6822 | 99.1 | 95.4 | 100.1 | 27.4 | 114.8 | 97.2 | 87.2 | 39.2 | 2.0 |
| ASGROW RX775 | 99.2 | 103.9 | 99.3 | 27.4 | 125.0 | 96.5 | 87.7 | 44.1 | 2.2 |
| CFS W6359 | 99.9 | 92.2 | 100.8 | 27.6 | 110.9 | 97.9 | 79.6 | 36.2 | 1.6 |
| AGWAY AG 710 | 100.7 | 94.3 | 101.4 | 27.8 | 113.4 | 98.4 | 77.8 | 36.9 | 1.1 |
| CFS W6464 | 100.6 | 101.3 | 100.2 | 27.8 | 121.8 | 97.2 | 85.2 | 43.8 | 2.0 |
| HUBNER H9211 | 101.2 | 97.3 | 100.7 | 27.9 | 117.1 | 97.8 | 83.0 | 42.1 | 1.9 |
| FUNK S G 4543 | 101.7 | 103.9 | 100.4 | 28.1 | 125.0 | 97.4 | 84.6 | 46.6 | 2.2 |
| JACQUES EXP3113 | 102.3 | 101.2 | 99.7 | 28.2 | 121.8 | 96.8 | 83.9 | 46.9 | 2.2 |
| DEKALB DK678 | 102.1 | 106.5 | 99.0 | 28.2 | 128.2 | 96.1 | 88.0 | 41.0 | 1.7 |
| EASTLAND E799 | 102.3 | 113.7 | 101.1 | 28.2 | 136.8 | 98.1 | 85.9 | 41.0 | 2.5 |
| HORST S74X | 103.1 | 90.0 | 101.6 | 28.4 | 108.3 | 98.7 | 84.3 | 39.6 | 1.8 |
| TERRA TR1101 | 103.1 | 91.8 | 101.3 | 28.5 | 110.5 | 98.4 | 83.5 | 40.1 | 1.2 |
| CARGILL 7897 | 103.6 | 99.7 | 99.2 | 28.6 | 120.0 | 96.3 | 81.9 | 41.2 | 1.6 |
| ASGROW RX783 | 104.4 | 94.8 | 100.4 | 28.8 | 114.1 | 97.4 | 83.8 | 36.3 | 1.8 |
| AGRI GENE AG7588 | 104.4 | 105.4 | 101.5 | 28.8 | 126.9 | 98.6 | 88.6 | 43.8 | 2.3 |
| MUNCY CHIEF XA7766 | 104.8 | 96.5 | 97.1 | 28.9 | 116.1 | 94.3 | 84.5 | 39.0 | 2.3 |
| GREENLAND GL243 | 105.6 | 93.8 | 100.9 | 29.1 | 112.8 | 98.0 | 74.4 | 30.7 | 1.8 |
| FUNK'S G-4584 | 106.3 | 103.8 | 99.2 | 29.4 | 124.9 | 98.3 | 91.3 | 40.8 | 1.5 |
| JACQUES B240 | 107.4 | 107.7 | 101.4 | 29.6 | 129.6 | 98.5 | 84.7 | 42.8 | 1.6 |
| NC+ 7117 | 108.3 | 101.7 | 102.0 | 29.9 | 122.4 | 99.0 | 80.9 | 38.3 | 1.7 |
| MUNCY CHIEF XA7580 | 110.0 | 95.5 | 99.0 | 30.4 | 114.8 | 96.1 | 84.1 | 43.0 | 1.8 |

| | | | | | | | | | |
|-----------|-------|------|-------|------|-------|------|------|------|-----|
| MEANS | 100.2 | 98.2 | 100.0 | 27.7 | 118.2 | 97.1 | 84.1 | 40.0 | 1.8 |
| LSD (.05) | 2.9 | 7.1 | 1.7 | 0.8 | 8.6 | 1.7 | 5.1 | 6.6 | 0.6 |

| | | | | | | | | | |
|----------------|-------|-------|-------|------|-------|------|------|------|-----|
| LOCATION MEANS | | | | | | | | | |
| Junata | 88.0 | 95.3 | 100.4 | 24.3 | 114.6 | 97.4 | 84.1 | 40.0 | |
| Lycoming | 94.8 | 141.3 | 101.2 | 26.1 | 170.0 | 98.3 | | | |
| Clinton | 114.8 | 76.9 | 102.2 | 31.7 | 92.5 | 99.2 | | | |
| Dauphin | 102.5 | 105.7 | 96.9 | 28.3 | 127.1 | 94.1 | | | |
| Blair | 92.8 | 80.4 | 100.2 | 25.6 | 96.7 | 97.3 | | | |
| Centre | 108.7 | 89.8 | 99.3 | 30.0 | 108.0 | 96.4 | | | 1.8 |

(Maturity Zone 3) 1993 results

TWO-YEAR AVERAGE PERFORMANCE

Table 3 Late medium season hybrids mean performance, 1992-1993 (Maturity Zone 3)

| BRAND-HYBRID | PERCENT-OF-CHECKS | | | %H ₂ O GRAIN | BU/A GRAIN | % ERECT |
|---------------------|-------------------|-------|-------|-------------------------|------------|---------|
| | H ₂ O | YIELD | ERECT | | | |
| HY PERFORMER HS9408 | 93.2 | 84.2 | 101.3 | 26.1 | 116.6 | 94.5 |
| PIONEER 3394 | 95.4 | 90.8 | 102.8 | 26.7 | 125.8 | 95.9 |
| DOEBLER'S 66XP | 96.8 | 98.6 | 97.3 | 27.1 | 136.5 | 90.8 |
| GREENLAND GL262 | 97.5 | 101.9 | 89.4 | 27.3 | 141.1 | 92.7 |
| PIONEER 3295 | 97.9 | 101.1 | 99.4 | 27.4 | 140.0 | 92.7 |
| HALSEY H1115A | 98.2 | 92.3 | 99.0 | 27.5 | 127.9 | 92.4 |
| DOEBLER'S 73XP | 98.6 | 106.0 | 97.3 | 27.6 | 146.8 | 90.8 |
| AGWAY AG710 | 98.6 | 98.8 | 100.3 | 27.6 | 134.1 | 93.6 |
| ICI 8326 | 99.6 | 105.8 | 99.6 | 27.9 | 146.5 | 92.9 |
| PIONEER 3293 | 100.7 | 105.2 | 104.0 | 28.2 | 145.7 | 97.0 |
| FUNK'S G-4543 | 101.4 | 98.7 | 99.0 | 28.4 | 136.7 | 92.4 |
| DEKALB DK623 | 101.8 | 91.3 | 99.9 | 28.5 | 126.5 | 93.2 |
| DOEBLER'S 69XP | 102.5 | 94.8 | 101.8 | 28.7 | 131.3 | 95.0 |
| HARDY HB6407 | 102.9 | 102.2 | 99.8 | 28.8 | 141.5 | 93.1 |
| CARGILL 8127 | 103.2 | 91.7 | 100.8 | 29.9 | 127.0 | 94.0 |
| WETSEL PX115 | 104.3 | 102.7 | 101.3 | 29.2 | 142.2 | 94.5 |
| NC+ 6485 | 104.6 | 103.0 | 103.1 | 29.3 | 142.6 | 96.2 |
| DOEBLER DK646 | 105.0 | 106.7 | 101.2 | 29.4 | 147.8 | 94.4 |
| CARGILL 7997 | 105.0 | 105.8 | 103.1 | 29.4 | 148.6 | 96.2 |
| DOEBLER'S 75X | 105.0 | 98.6 | 99.6 | 29.4 | 136.5 | 92.9 |
| AGWAY AG 797 | 105.4 | 105.6 | 102.3 | 29.5 | 146.2 | 95.4 |
| WETSEL W80 | 105.7 | 95.5 | 99.8 | 29.6 | 132.2 | 93.1 |
| EASTLAND E799 | 106.1 | 104.8 | 103.8 | 29.7 | 145.1 | 96.8 |
| SCHLESSMAN SX722 | 106.8 | 100.3 | 101.1 | 29.9 | 138.9 | 94.3 |
| EASTLAND E7810 | 107.5 | 106.4 | 102.4 | 30.1 | 147.4 | 95.5 |
| DOEBLER'S 75X2 | 107.9 | 100.8 | 101.9 | 30.2 | 139.8 | 95.1 |
| NORTHROP KING N7989 | 108.8 | 98.2 | 101.9 | 30.4 | 133.2 | 95.1 |

| | | | | | | |
|-----------|-------|------|-------|------|-------|------|
| MEANS | 102.2 | 99.5 | 100.9 | 28.6 | 137.9 | 94.1 |
| LSD (.05) | 3.2 | 7.1 | 4.9 | 0.9 | 9.8 | 4.5 |

SILAGE ENTRIES

Table 4 Silage performance of late medium season hybrids (Maturity Zone 3)

| BRAND-HYBRID | YIELD (T/A) | %H ₂ O PLANT | DRY MAT PLANT(T/A) |
|---------------------|-------------|-------------------------|--------------------|
| | | | |
| HY PERFORMER HY9487 | 13.2 | 64.6 | 4.6 |
| DOEBLER'S 82XP | 14.4 | 69.5 | 5.1 |
| DEKALB DK646 | 14.9 | 65.3 | 5.2 |
| PIONEER 3293 | 15.3 | 65.4 | 5.3 |
| MUNCY CHIEF XA7766 | 15.6 | 60.6 | 5.5 |
| DOEBLER'S 75XMOD2 | 15.8 | 68.3 | 5.5 |
| AGWAY AG 710 | 15.9 | 66.0 | 5.5 |
| HY PERFORMER HY9424 | 16.0 | 58.7 | 5.6 |
| PIONEER 3241 | 16.0 | 66.3 | 5.6 |
| CARGILL 8127 | 16.0 | 62.1 | 5.6 |
| NORTHROP KING N7989 | 16.0 | 71.2 | 5.6 |
| AGWAY AG 824 | 16.2 | 69.5 | 5.7 |
| AGWAY AG 797 | 16.4 | 68.7 | 5.7 |
| AGWAY AG 828 | 16.4 | 69.8 | 5.8 |
| MUNCY CHIEF XA7790 | 16.5 | 64.4 | 5.8 |
| DEKALB DK678 | 16.6 | 66.5 | 5.8 |
| CARGILL 8327 | 17.3 | 69.0 | 6.0 |
| PIONEER 3140 | 17.4 | 66.5 | 6.1 |
| EASTLAND E799 | 19.1 | 64.6 | 6.7 |

| | | | |
|-----------|------|------|-----|
| MEANS | 15.9 | 65.9 | 5.6 |
| LSD (.05) | 2.9 | 3.4 | 1.0 |

Cooperators and locations

Late medium season hybrids were evaluated with the cooperation of the following persons: John Witmer, Dauphin County; Melvin Martin, Juniata County; William England, Blair County; Charles Dotterer, Clinton County; Dick Snyder, Lycoming County, and Penn State 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.

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, R. I. Williams, and J. F. Ayers).

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

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

Issued in furtherance of Cooperative Extension Work, Acts of Congress, May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture and the Pennsylvania Experiment Station, E. T. Head, Director of Cooperative Extension, The Pennsylvania State University.

The Pennsylvania State University is committed to the policy that all persons shall have equal access to programs, facilities, admission, and employment without regard to personal characteristics not related to ability, performance, or qualifications, as determined by University policy or by state or federal authorities. The University will not discriminate on the basis of race, sex, color, religion, or handicap. Persons with disabilities who require special accommodations in order to participate in University programs should contact the Affirmative Action Director, The Pennsylvania State University, 301 William Building, University Park, PA 16802-7601, tel. (814) 863-0421.

© The Pennsylvania State University 1993

5-1-93



CORN TALK NEWS

PENNSYLVANIA MASTER CORN GROWERS ASSOC., INC.

To Jump-Start Milk Production, Plant Custom Farm Seed Waxy Corn Hybrids.

20 years ago, CFS introduced waxy hybrids. Today, 20 years later, CFS waxy hybrids equal ... or better ... your favorite dent in bushels per acre, standability and overall performance.

But users realize the real benefits of CFS waxy... 100% amylopectin starch. While dent corn is composed of 25% amylose... the less digestible starch, CFS waxy is 100% amylopectin, and zero amylose. Starch intake is what produces milk and weight gain in livestock. It stands to reason that CFS waxy will produce more milk for dairy producers and faster weight gain for livestock producers, on less grain fed.



#1 Waxy

PARS, INC.

976 West Ridge Road
Elizabethtown, PA 17022-9750

CALL 1-800-WAX CORN
929-2676

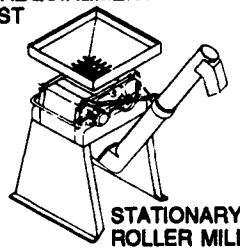
PEERLESS COMPUTERIZED FEED EQUIPMENT ROLLED FEED IS BETTER!



ROLLER MIXER & HAMMERMILL



EAR CORN SILO MILL



STATIONARY ROLLER MILL



ROLLER AND STATIONARY HAMMERMILL SYSTEMS

F.M.I.
(Feedmobile)

727 Furnace Hills Pike
Lititz, PA 17543

717-626-2680
1-800-528-8693