

# 1996 Pa. Hybrid Test Reports

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| LOCATION MEANS |      |       |      |     |     |
|----------------|------|-------|------|-----|-----|
| Juniata        | 27.9 | 170.8 | 97.3 |     |     |
| Lycorning      | 28.3 | 200.8 | 99.0 |     | 2.2 |
| Clinton        | 30.7 | 157.5 | 97.6 | 1.5 |     |
| Blair          | 28.6 | 170.9 | 98.3 |     |     |
| Berks          | 20.5 | 208.1 | 99.2 |     |     |
| Centre         | 28.4 | 181.1 | 96.1 |     |     |
| Berks          | 20.8 | 180.3 | 94.1 |     | 3.2 |

\*Leaf spot rating is a mixture of GLS and NLS

## NEW ENTRIES

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

| BRAND-HYBRID          | PERCENT-OF-CHECK |       |       | %H <sub>2</sub> O GRAIN | BU/A GRAIN | % ERECT | LEAF DISEASE RATING | GLS RATING |
|-----------------------|------------------|-------|-------|-------------------------|------------|---------|---------------------|------------|
|                       | H <sub>2</sub> O | YIELD | ERECT |                         |            |         |                     |            |
| EASTLAND E624         | 92.0             | 108.5 | 102.2 | 24.3                    | 195.1      | 99.3    | 1.8                 | 2.2        |
| HUBNER H3507          | 92.5             | 107.9 | 100.8 | 24.4                    | 194.0      | 97.9    | 1.8                 | 2.4        |
| HALSEY H3110          | 93.2             | 106.1 | 99.5  | 24.6                    | 190.8      | 96.6    | 1.3                 | 2.8        |
| CHEMGRO 7036          | 93.6             | 108.8 | 101.7 | 24.7                    | 195.6      | 98.8    | 1.8                 | 2.3        |
| DEKALB DK618          | 94.0             | 102.3 | 101.2 | 24.8                    | 183.9      | 98.2    | 0.7                 | 2.1        |
| DEKALB DK626          | 94.8             | 103.0 | 98.6  | 25.0                    | 185.2      | 95.8    | 1.5                 | 2.4        |
| MID ATLANTIC MA X9121 | 95.1             | 101.6 | 101.2 | 25.1                    | 182.6      | 98.3    | 1.5                 | 2.3        |
| NC+ 4919              | 95.3             | 98.3  | 100.0 | 25.1                    | 176.8      | 97.1    | 1.7                 | 2.4        |
| AGWAY AG 657          | 96.3             | 103.6 | 100.8 | 25.4                    | 186.2      | 97.9    | 1.8                 | 2.8        |
| SCHLESSMAN SX896      | 96.4             | 103.5 | 100.1 | 25.4                    | 186.0      | 97.2    | 1.3                 | 2.5        |
| DYNAGRO 5456          | 96.7             | 97.3  | 99.8  | 25.5                    | 175.0      | 96.9    | 1.7                 | 2.4        |
| DOEBLER'S 716XP       | 96.8             | 103.7 | 99.0  | 25.5                    | 186.5      | 98.1    | 1.7                 | 2.5        |
| MID ATLANTIC MA X9142 | 97.2             | 103.5 | 100.9 | 25.6                    | 186.1      | 98.0    | 1.5                 | 2.3        |
| CARGILL 7770          | 97.3             | 106.7 | 99.5  | 25.7                    | 191.8      | 96.6    | 1.7                 | 2.5        |
| NORTHROP KING N6800   | 97.5             | 95.7  | 100.9 | 25.7                    | 172.0      | 98.0    | 1.5                 | 2.4        |
| MYCOGEN 2815          | 97.8             | 103.3 | 100.7 | 25.8                    | 185.8      | 97.8    | 1.5                 | 2.6        |
| ASGROW RX790          | 98.1             | 102.6 | 101.2 | 25.9                    | 184.5      | 98.3    | 1.7                 | 2.6        |
| DOEBLER'S 73XP        | 98.3             | 103.7 | 100.0 | 25.9                    | 186.4      | 97.1    | 1.3                 | 2.8        |
| MID ATLANTIC MA X9141 | 98.3             | 107.8 | 99.4  | 25.9                    | 193.8      | 96.6    | 1.3                 | 1.8        |
| TERRA E1106           | 98.4             | 110.4 | 98.1  | 26.0                    | 198.5      | 95.3    | 1.0                 | 2.2        |
| AGWAY AG 723          | 98.6             | 96.7  | 99.8  | 26.0                    | 173.8      | 96.9    | 1.3                 | 2.8        |
| NC+ 5445              | 98.7             | 98.9  | 100.2 | 26.0                    | 177.8      | 97.3    | 1.3                 | 2.4        |
| NORTHROP KING 6822    | 98.9             | 98.6  | 100.1 | 26.1                    | 177.3      | 97.3    | 1.8                 | 2.8        |
| SCHLESSMAN SX708      | 99.4             | 105.8 | 100.9 | 26.2                    | 190.2      | 98.0    | 1.2                 | 2.1        |
| DOEBLER'S 746XP       | 100.0            | 103.2 | 99.6  | 26.4                    | 185.5      | 96.8    | 1.3                 | 2.3        |
| ANDERSONS NC6111      | 100.3            | 104.0 | 100.7 | 26.5                    | 187.0      | 97.8    | 1.0                 | 2.2        |
| DEKALB DK646          | 101.9            | 98.6  | 98.9  | 26.9                    | 177.2      | 96.1    | 2.3                 | 3.1        |
| ANDERSONS PSX426      | 102.3            | 98.9  | 100.5 | 27.0                    | 177.9      | 97.6    | 1.7                 | 2.3        |
| CARGILL 7997          | 102.4            | 102.5 | 101.1 | 27.0                    | 184.2      | 98.2    | 1.0                 | 2.3        |
| TERRA E1136           | 102.5            | 104.6 | 101.1 | 27.0                    | 188.0      | 98.2    | 0.7                 | 2.3        |
| MEANS                 | 97.5             | 103.0 | 100.3 | 25.7                    | 185.2      | 97.4    | 1.5                 | 2.4        |
| LSD (.05)             |                  |       |       | 0.6                     | 9.4        | 2.0     | 0.5                 | 0.4        |

| LOCATION MEANS |      |       |      |     |     |
|----------------|------|-------|------|-----|-----|
| Juniata        | 26.3 | 171.7 | 98.2 |     |     |
| Lycorning      | 27.1 | 214.9 | 98.9 |     | 2.1 |
| Clinton        | 29.8 | 164.2 | 98.7 | 1.5 |     |
| Blair          | 27.4 | 184.9 | 98.4 |     |     |
| Berks          | 20.1 | 218.8 | 98.9 |     |     |
| Centre         | 29.5 | 160.2 | 94.7 |     |     |
| Berks          | 19.9 | 181.5 | 94.0 |     | 2.8 |

\*Leaf spot rating is a mixture of GLS and NLS



PENNSYLVANIA MASTER CORN GROWERS ASSOC., INC.

## TWO-YEAR AVERAGE PERFORMANCE

Table 3. Late medium-season hybrids performance, 1995-1996. (Maturity Zone 3).

| BRAND-HYBRID          | PERCENT-OF-CHECKS |       |       | %H <sub>2</sub> O GRAIN | BU/A GRAIN | % ERECT |
|-----------------------|-------------------|-------|-------|-------------------------|------------|---------|
|                       | H <sub>2</sub> O  | YIELD | ERECT |                         |            |         |
| BEACHLEY HARDY BH4612 | 92.5              | 95.5  | 103.4 | 23.3                    | 154.2      | 97.6    |
| AGRI PRO AP 9560      | 93.7              | 97.5  | 99.5  | 23.6                    | 157.4      | 93.9    |
| DEKALB DK642          | 94.4              | 106.9 | 101.0 | 23.8                    | 172.6      | 95.3    |
| FUNK'S G-4496         | 94.4              | 96.4  | 102.3 | 23.8                    | 155.7      | 96.6    |
| PIONEER 3295          | 95.6              | 98.1  | 99.5  | 24.1                    | 158.4      | 93.9    |
| PIONEER 3335          | 96.4              | 103.3 | 100.1 | 24.3                    | 166.3      | 94.5    |
| AGWAY AG 767          | 96.8              | 96.7  | 102.3 | 24.4                    | 156.2      | 96.6    |
| MYCOGEN 7050          | 96.8              | 96.3  | 99.7  | 24.4                    | 155.6      | 94.1    |
| BEACHLEY HARDY BH4776 | 97.2              | 102.1 | 101.2 | 24.5                    | 164.9      | 95.5    |
| NC+ 6485              | 97.2              | 96.0  | 100.8 | 24.5                    | 155.0      | 95.2    |
| DOEBLER'S 679XP       | 97.2              | 92.5  | 97.4  | 24.5                    | 149.4      | 91.9    |
| HUBNER H3213          | 97.6              | 95.2  | 101.3 | 24.6                    | 153.7      | 95.6    |
| DOEBLER'S 73XP        | 98.0              | 101.4 | 100.7 | 24.7                    | 163.8      | 95.1    |
| NORTHROP KING N7590   | 98.4              | 101.2 | 98.4  | 24.8                    | 163.5      | 92.9    |
| ASGROW RX770          | 98.4              | 97.1  | 100.4 | 24.8                    | 156.7      | 94.8    |
| NORTHROP KING N6822   | 99.2              | 97.1  | 99.5  | 25.0                    | 156.7      | 93.9    |
| ASGROW RX843          | 99.2              | 97.0  | 101.0 | 25.0                    | 156.6      | 95.3    |
| DOEBLER'S 737XP       | 99.6              | 98.8  | 100.6 | 25.1                    | 159.6      | 95.0    |
| AGWAY AG 723          | 99.6              | 98.5  | 99.7  | 25.1                    | 159.0      | 94.1    |
| PIONEER 3223          | 100.0             | 101.9 | 96.8  | 25.2                    | 164.6      | 91.4    |
| FUNK'S G-4554         | 100.0             | 100.2 | 102.4 | 25.2                    | 161.8      | 96.7    |
| DOEBLER'S 75X2        | 100.0             | 93.3  | 98.8  | 25.2                    | 150.7      | 93.3    |
| DEKALB DK646          | 100.4             | 102.4 | 99.2  | 25.3                    | 165.3      | 93.6    |
| NORTHROP KING N7448   | 100.8             | 100.4 | 98.5  | 25.4                    | 162.2      | 93.0    |
| EASTLAND E799         | 100.8             | 87.3  | 103.0 | 25.4                    | 141.0      | 97.2    |
| MYCOGEN 7660          | 101.2             | 96.2  | 102.6 | 25.5                    | 155.3      | 96.9    |
| AGWAY AG792           | 101.6             | 96.2  | 103.1 | 25.6                    | 155.3      | 97.3    |
| CARGILL 7997          | 103.6             | 100.8 | 101.0 | 26.1                    | 162.8      | 95.3    |
| MEANS                 | 98.4              | 98.1  | 100.5 | 24.8                    | 158.4      | 94.9    |
| LSD (.05)             | 3.1               | 7.5   | 3.0   | 0.8                     | 11.3       | 3.0     |

## SILAGE ENTRIES

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

| BRAND-HYBRID          | YIELD (T/A) | %H <sub>2</sub> O PLANT | DRY MAT PLANT(T/A) |
|-----------------------|-------------|-------------------------|--------------------|
| DEKALB DK626          | 25.1        | 52.3                    | 12.1               |
| HALSEY H3110          | 28.4        | 55.8                    | 12.5               |
| DOEBLER'S 737XP       | 28.2        | 56.3                    | 12.4               |
| DEKALB DK618          | 26.6        | 57.3                    | 11.5               |
| WETSEL SILOBUSTER     | 27.5        | 57.5                    | 11.8               |
| AGRI PRO AP 9616      | 27.2        | 59.0                    | 11.1               |
| BEACHLEY HARDY BH4776 | 29.0        | 59.0                    | 11.8               |
| DEKALB DK642          | 26.5        | 60.0                    | 10.6               |
| DOEBLER'S 746XP       | 27.7        | 60.2                    | 10.9               |
| EASTLAND E7800A       | 27.3        | 60.4                    | 10.8               |
| MID ATLANTIC MA 9181  | 27.2        | 60.6                    | 10.5               |
| FUNK'S G-4496         | 27.1        | 60.6                    | 10.6               |
| CARGILL 7301FQ        | 29.5        | 62.7                    | 11.1               |
| DOEBLER'S 75XMODII    | 27.4        | 62.8                    | 10.3               |
| MID ATLANTIC MA 9200  | 27.0        | 65.3                    | 9.3                |
| PIONEER 3223          | 28.4        | 68.3                    | 8.9                |
| MEANS                 | 27.5        | 59.9                    | 11.0               |
| LSD (.05)             | 4.0         | 4.1                     | 2.2                |

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