

Table 5A. New Mexico 2013 Forage Corn Performance Test - Agricultural Science Center at Clovis

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Test Description

| Location: | Management Practices: | Growing Conditions: | | |
|-------------------------|------------------------------|----------------------------|----------|------------|
| County/Area: Curry | Previous Crop: fallow | Average | | |
| Longitude: -103.22 | Planting Date: 14-May | Temp. | Precip. | Irrigation |
| Latitude: 34.60 | Harvest Date: 9-Sep | °F | in. | in. |
| Elevation: 4435 ft. | | January | | |
| Soil Name: Olton | | February | | |
| Soil Texture: clay loam | | March | | |
| Soil Depth: >60 in. | | April | 52.4 | 0.00 |
| | | May | 64.0 | 0.45 |
| | | June | 74.7 | 1.67 |
| | | July | 74.0 | 3.26 |
| | | August | 75.0 | 1.49 |
| | | September† | 69.0 | 0.06 |
| | | October | | 1.00 |
| | | November | | |
| | | December | | |
| | | †September 1-9 | | |
| | | Seasonal Precipitation: | 6.9 in. | |
| | | Total Irrigation: | 19.2 in. | |
| | | Date of Last Spring Frost: | 3-May | |
| | | Date of First Fall Frost: | 19-Oct | |
| | | Frost Free Period: | 169 days | |

Test Design:

Replications: 3
 Plot Length: 20 ft.
 Rows per Plot: 2
 Row Spacing: 30 in.
 Seeding Rate: 27000 seed/a

Production Inputs

| | Rate | Date |
|-------------------------------|----------|-----------|
| Fertilizer: | | |
| Nitrogen | 11 lb/a | carryover |
| Nitrogen | 240 lb/a | 14-May |
| P ₂ O ₅ | 60 lb/a | 14-May |
| S | 40 lb/a | 14-May |
| Zn | 3 qt/a | 14-May |
| Herbicides: | | |
| Bicep Lite II Mag | 3 pt/a | 15-May |
| Brawl | 1 pt/a | 24-Jun |
| Insecticides: | | |
| Onager | 14 oz/ac | 24-Jun |
| Prevathon | 14 oz/ac | 24-Jun |
| Oberon | 8 oz/ac | 4-Aug |
| Prevathon | 20 oz/ac | 4-Aug |

Table 5B. New Mexico 2013 Forage Corn Performance Test - Agricultural Science Center at Clovis

Results

| Brand/Company Name | Hybrid/Variety Name | Moisture | | | CP | NDFD | | Ash | TDN | NE _i | Milk/Ton | Milk/Acre | |
|-----------------------|---------------------|------------|--------------|------------|--------|---------|--------|---------|--------|-----------------|----------|-----------|---------|
| | | Dry Forage | Green Forage | at Harvest | | 48hr | Starch | | | | | | |
| | | t/a | t/a | % | % | % | % | % | % | Mcal/lb | lb/t | lb/a | |
| Triumph Seed Co. | 1358 S | 10.2 | 28.7 | 64.4 | 9.0 | 42.6 | 60.1 | 27.2 | 4.2 | 65.9 | 0.677 | 3159 | 32231 |
| Golden Acres Genetics | G8551 | 10.1 | 26.4 | 61.5 | 8.6 | 45.7 | 61.6 | 25.4 | 4.2 | 66.6 | 0.686 | 3227 | 32715 |
| Mycogen Seeds | TMF2H747 | 10.1 | 28.5 | 64.7 | 8.6 | 42.4 | 60.0 | 29.8 | 3.7 | 66.3 | 0.682 | 3187 | 32066 |
| Mycogen Seeds | TMF2L874 | 9.6 | 29.9 | 67.8 | 9.7 | 44.0 | 60.8 | 24.3 | 3.8 | 66.0 | 0.679 | 3173 | 30565 |
| Mycogen Seeds | TMF2L825 | 9.6 | 29.0 | 66.9 | 8.5 | 45.4 | 59.0 | 23.8 | 3.9 | 64.0 | 0.656 | 3014 | 28852 |
| CPS Dyna-Gro | D57VP75 (CX12117) | 9.6 | 26.3 | 63.5 | 9.2 | 39.8 | 60.0 | 30.5 | 3.4 | 67.4 | 0.694 | 3267 | 31272 |
| B-H Genetics | BH 8700 VTTP | 9.6 | 25.8 | 62.9 | 9.2 | 38.1 | 59.9 | 31.5 | 3.9 | 67.7 | 0.698 | 3292 | 31526 |
| B-H Genetics | XP 8910 RR | 9.4 | 26.5 | 64.5 | 9.0 | 43.5 | 60.9 | 27.2 | 4.5 | 66.5 | 0.685 | 3214 | 30267 |
| Triumph Seed Co. | 1801 H | 9.4 | 28.3 | 66.8 | 8.8 | 45.7 | 59.8 | 24.1 | 3.8 | 65.2 | 0.671 | 3112 | 29290 |
| B-H Genetics | BH 8630 VTTP | 9.3 | 24.2 | 61.6 | 8.8 | 44.3 | 59.9 | 26.5 | 4.1 | 65.9 | 0.678 | 3158 | 29339 |
| CPS Dyna-Gro | CX50VP43 | 9.3 | 22.9 | 59.4 | 9.1 | 40.0 | 60.3 | 30.5 | 4.1 | 67.5 | 0.695 | 3276 | 30345 |
| B-H Genetics | X 13177 RRLF | 9.1 | 25.6 | 64.2 | 8.7 | 45.7 | 61.6 | 25.7 | 3.9 | 66.6 | 0.685 | 3225 | 29318 |
| B-H Genetics | XP 8890 RR | 9.1 | 23.8 | 61.8 | 9.2 | 43.8 | 60.8 | 27.0 | 3.8 | 66.7 | 0.687 | 3229 | 29375 |
| Mycogen Seeds | TMF2H918 | 9.1 | 27.1 | 66.5 | 9.4 | 45.9 | 59.0 | 22.0 | 3.9 | 63.9 | 0.656 | 3009 | 27308 |
| B-H Genetics | BH 8830 VTTP | 9.0 | 24.2 | 62.7 | 9.1 | 40.4 | 58.1 | 31.0 | 3.4 | 67.2 | 0.692 | 3234 | 29273 |
| Golden Acres Genetics | G7601 | 9.0 | 26.1 | 65.6 | 9.2 | 42.3 | 60.4 | 26.5 | 3.8 | 66.0 | 0.679 | 3171 | 28450 |
| B-H Genetics | BH 8732 VTTP | 8.9 | 26.0 | 65.5 | 9.1 | 42.3 | 60.1 | 26.9 | 3.8 | 66.1 | 0.680 | 3174 | 28380 |
| Triumph Seed Co. | 1725 H | 8.9 | 25.8 | 65.6 | 8.7 | 45.7 | 60.2 | 25.5 | 4.1 | 66.0 | 0.679 | 3168 | 28075 |
| B-H Genetics | BH 8895 VT2P | 8.7 | 25.0 | 65.3 | 8.8 | 40.9 | 61.5 | 30.6 | 4.0 | 67.5 | 0.696 | 3290 | 28511 |
| CPS Dyna-Gro | D59HR50 | 8.6 | 26.1 | 67.0 | 9.3 | 44.1 | 60.6 | 26.0 | 4.3 | 66.2 | 0.681 | 3185 | 27377 |
| CPS Dyna-Gro | D55GT73 | 8.6 | 25.2 | 66.0 | 9.5 | 42.1 | 61.8 | 28.2 | 3.8 | 67.8 | 0.699 | 3313 | 28393 |
| B-H Genetics | BH 8977 RR/HX | 8.5 | 25.6 | 66.6 | 8.9 | 45.2 | 61.1 | 25.4 | 4.0 | 66.1 | 0.681 | 3188 | 27184 |
| B-H Genetics | X 13176 RRLF | 8.4 | 25.0 | 66.2 | 9.3 | 46.2 | 61.4 | 21.9 | 4.4 | 64.4 | 0.661 | 3064 | 25843 |
| B-H Genetics | X 12111 LF | 8.2 | 23.9 | 65.8 | 8.9 | 47.0 | 59.6 | 22.9 | 4.1 | 64.8 | 0.665 | 3077 | 25149 |
| Trial Mean | | 9.2 | 26.1 | 64.7 | 9.0 | 43.5 | 60.4 | 26.7 | 4.0 | 66.2 | 0.681 | 3184 | 29213 |
| LSD | | 0.7 | 2.1 | 2.5 | 0.5 | 3.2 | 1.7 | 4.1 | NS | 1.8 | 0.020 | 139 | 2824 |
| LSD P > | | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| CV | | 4.8 | 4.9 | 2.4 | 3.1 | 4.5 | 1.7 | 9.3 | 9.4 | 1.7 | 1.8 | 2.6 | 5.9 |
| F Test | | <0.0001 | <0.0001 | <0.0001 | 0.0001 | <0.0001 | 0.0058 | <0.0001 | 0.1035 | 0.0006 | 0.0007 | 0.0012 | <0.0001 |