

**Table 9A. New Mexico 2013 Dryland Forage Sorghum Performance Test - Agricultural Science Center at Clovis**

**Investigators:** M.A. Marsalis, A. Mesbah, A. Scott, and B. Niece

**Test Description**

| <p><b>Location:</b></p> <p>County/Area: Curry<br/>         Longitude: -103.22<br/>         Latitude: 34.60<br/>         Elevation: 4435 ft.<br/>         Soil Name: Olton<br/>         Soil Texture: clay loam<br/>         Soil Depth: &gt;60 in.</p> | <p><b>Management Practices:</b></p> <p>Previous Crop: fallow<br/>         Planting Date: 19-Jun<br/>         Harvest Date: 1-Oct</p> <p><b>Production Inputs</b></p> <table border="1"> <thead> <tr> <th></th> <th>Rate</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td colspan="3"><b>Fertilizer:</b></td> </tr> <tr> <td>Nitrogen</td> <td>25 lb/a</td> <td>carryover</td> </tr> <tr> <td>Nitrogen</td> <td>75 lb/a</td> <td>17-Jun</td> </tr> <tr> <td>P<sub>2</sub>O<sub>5</sub></td> <td>25 lb/a</td> <td>17-Jun</td> </tr> <tr> <td>Zn</td> <td>2 qt/a</td> <td>17-Jun</td> </tr> <tr> <td colspan="3"><b>Herbicides:</b></td> </tr> <tr> <td>Permit</td> <td>1 oz/a</td> <td>12-Jul</td> </tr> <tr> <td>MeeToo-Lachlor II</td> <td>1 pt/a</td> <td>12-Jul</td> </tr> <tr> <td>Aatrex</td> <td>2 pt/a</td> <td>20-Jun</td> </tr> <tr> <td colspan="3"><b>Insecticides:</b></td> </tr> <tr> <td colspan="3">None</td> </tr> </tbody> </table> |                | Rate              | Date | <b>Fertilizer:</b> |  |  | Nitrogen | 25 lb/a | carryover | Nitrogen | 75 lb/a | 17-Jun | P <sub>2</sub> O <sub>5</sub> | 25 lb/a | 17-Jun | Zn | 2 qt/a | 17-Jun | <b>Herbicides:</b> |  |  | Permit | 1 oz/a | 12-Jul | MeeToo-Lachlor II | 1 pt/a | 12-Jul | Aatrex | 2 pt/a | 20-Jun | <b>Insecticides:</b> |  |  | None |  |  | <p><b>Growing Conditions:</b></p> <table border="1"> <thead> <tr> <th></th> <th>Average Temp.<br/>°F</th> <th>Precip.<br/>in.</th> <th>Irrigation<br/>in.</th> </tr> </thead> <tbody> <tr><td>January</td><td></td><td></td><td></td></tr> <tr><td>February</td><td></td><td></td><td></td></tr> <tr><td>March</td><td></td><td></td><td></td></tr> <tr><td>April</td><td></td><td></td><td></td></tr> <tr><td>May</td><td></td><td></td><td></td></tr> <tr><td>June</td><td>74.7</td><td>1.67</td><td></td></tr> <tr><td>July</td><td>74.0</td><td>3.26</td><td></td></tr> <tr><td>August</td><td>75.0</td><td>1.49</td><td></td></tr> <tr><td>September</td><td>69.0</td><td>4.25</td><td></td></tr> <tr><td>October</td><td></td><td></td><td></td></tr> <tr><td>November</td><td></td><td></td><td></td></tr> <tr><td>December</td><td></td><td></td><td></td></tr> <tr> <td>Seasonal Precipitation:</td> <td></td> <td>10.7 in.</td> <td></td> </tr> <tr> <td>Total Irrigation:</td> <td></td> <td>0.0 in.</td> <td></td> </tr> <tr> <td>Date of Last Spring Frost:</td> <td colspan="3">3-May</td> </tr> <tr> <td>Date of First Fall Frost:</td> <td colspan="3">19-Oct</td> </tr> <tr> <td>Frost Free Period:</td> <td colspan="3">169 days</td> </tr> </tbody> </table> |  | Average Temp.<br>°F | Precip.<br>in. | Irrigation<br>in. | January |  |  |  | February |  |  |  | March |  |  |  | April |  |  |  | May |  |  |  | June | 74.7 | 1.67 |  | July | 74.0 | 3.26 |  | August | 75.0 | 1.49 |  | September | 69.0 | 4.25 |  | October |  |  |  | November |  |  |  | December |  |  |  | Seasonal Precipitation: |  | 10.7 in. |  | Total Irrigation: |  | 0.0 in. |  | Date of Last Spring Frost: | 3-May |  |  | Date of First Fall Frost: | 19-Oct |  |  | Frost Free Period: | 169 days |  |  |
|--|---|----------------|-------------------|------|--------------------|--|--|----------|---------|-----------|----------|---------|--------|-------------------------------|---------|--------|----|--------|--------|--------------------|--|--|--------|--------|--------|-------------------|--------|--------|--------|--------|--------|----------------------|--|--|------|--|--|---|--|---------------------|----------------|-------------------|---------|--|--|--|----------|--|--|--|-------|--|--|--|-------|--|--|--|-----|--|--|--|------|------|------|--|------|------|------|--|--------|------|------|--|-----------|------|------|--|---------|--|--|--|----------|--|--|--|----------|--|--|--|-------------------------|--|----------|--|-------------------|--|---------|--|----------------------------|-------|--|--|---------------------------|--------|--|--|--------------------|----------|--|--|
|  | Rate  | Date           |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| <b>Fertilizer:</b>   |   |                |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| Nitrogen   | 25 lb/a   | carryover      |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| Nitrogen   | 75 lb/a   | 17-Jun         |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| P <sub>2</sub> O <sub>5</sub>  | 25 lb/a   | 17-Jun         |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| Zn   | 2 qt/a  | 17-Jun         |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| <b>Herbicides:</b>   |   |                |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| Permit   | 1 oz/a  | 12-Jul         |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| MeeToo-Lachlor II  | 1 pt/a  | 12-Jul         |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| Aatrex   | 2 pt/a  | 20-Jun         |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| <b>Insecticides:</b>   |   |                |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| None   |   |                |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
|  | Average Temp.<br>°F   | Precip.<br>in. | Irrigation<br>in. |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| January  |   |                |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| February   |   |                |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| March  |   |                |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| April  |   |                |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| May  |   |                |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| June   | 74.7  | 1.67           |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| July   | 74.0  | 3.26           |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| August   | 75.0  | 1.49           |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| September  | 69.0  | 4.25           |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| October  |   |                |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| November   |   |                |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| December   |   |                |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| Seasonal Precipitation:  |   | 10.7 in.       |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| Total Irrigation:  |   | 0.0 in.        |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| Date of Last Spring Frost:   | 3-May   |                |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| Date of First Fall Frost:  | 19-Oct  |                |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| Frost Free Period:   | 169 days  |                |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |
| <p><b>Test Design:</b></p> <p>Replications: 3<br/>         Plot Length: 20 ft.<br/>         Rows per Plot: 2<br/>         Row Spacing: 30 in.<br/>         Seeding Rate: 50000 seed/a</p>  |   |                |                   |      |                    |  |  |          |         |           |          |         |        |                               |         |        |    |        |        |                    |  |  |        |        |        |                   |        |        |        |        |        |                      |  |  |      |  |  |   |  |                     |                |                   |         |  |  |  |          |  |  |  |       |  |  |  |       |  |  |  |     |  |  |  |      |      |      |  |      |      |      |  |        |      |      |  |           |      |      |  |         |  |  |  |          |  |  |  |          |  |  |  |                         |  |          |  |                   |  |         |  |                            |       |  |  |                           |        |  |  |                    |          |  |  |

**Table 9B. New Mexico 2013 Dryland Forage Sorghum Performance Test - Agricultural Science Center at Clovis**

**Results**

| Brand/Company Name    | Hybrid/Variety Name | Sorghum <sup>†</sup> Type | Maturity <sup>§</sup> Group | Moisture       |                  |              | CP %   | NDF %   | NDFD 48hr % | Ash %  | TDN %   | NE <sub>l</sub> Mcal/lb | Milk/Ton lb/t | Milk/Acre lb/a |
|-----------------------|---------------------|---------------------------|-----------------------------|----------------|------------------|--------------|--------|---------|-------------|--------|---------|-------------------------|---------------|----------------|
|                       |                     |                           |                             | Dry Forage t/a | Green Forage t/a | at Harvest % |        |         |             |        |         |                         |               |                |
| Sorg. Part./Chromatin | SS 405              | Conv                      | L                           | 5.0            | 19.2             | 74.0         | 10.2   | 51.2    | 65.2        | 5.5    | 61.9    | 0.633                   | 2916          | 14667          |
| DuPont/Pioneer        | 849F                | Conv                      | ML                          | 5.0            | 14.6             | 66.0         | 10.0   | 45.6    | 65.1        | 5.2    | 66.1    | 0.680                   | 3220          | 16103          |
| Sorg. Part./Chromatin | NK300               | Conv                      | ME                          | 4.9            | 13.9             | 64.5         | 10.2   | 42.7    | 65.7        | 5.2    | 66.1    | 0.681                   | 3225          | 15931          |
| CPS Dyna-Gro          | 705F                | Conv                      | ME                          | 4.9            | 14.9             | 67.3         | 11.0   | 44.3    | 63.7        | 5.5    | 64.0    | 0.657                   | 3055          | 14899          |
| Sorg. Part./Chromatin | 1990                | Conv                      | L                           | 4.8            | 23.2             | 79.5         | 10.8   | 57.8    | 70.9        | 6.6    | 62.0    | 0.635                   | 2971          | 14120          |
| Sorg. Part./Chromatin | Trudan Headless     | Conv                      | PS                          | 4.7            | 18.8             | 75.2         | 9.7    | 57.4    | 65.1        | 5.9    | 59.5    | 0.607                   | 2748          | 12797          |
| Sorg. Part./Chromatin | NK9916              | Conv                      | L                           | 4.5            | 11.4             | 59.8         | 9.6    | 45.1    | 67.5        | 5.5    | 66.4    | 0.684                   | 3259          | 14790          |
| CPS Dyna-Gro          | FX12151             | Conv                      | L                           | 4.4            | 13.3             | 66.8         | 10.8   | 44.9    | 67.5        | 5.8    | 64.0    | 0.657                   | 3088          | 13594          |
| Forage First          | FS-5                | Conv                      | M                           | 4.2            | 14.4             | 70.8         | 9.4    | 47.2    | 64.4        | 5.4    | 63.0    | 0.645                   | 2988          | 12328          |
| Browning Seed, Inc.   | Silage Master       | Conv                      | ML                          | 4.2            | 15.1             | 72.1         | 10.0   | 45.3    | 68.3        | 5.7    | 62.3    | 0.638                   | 2973          | 12608          |
| DuPont/Pioneer        | 841F                | Conv                      | M                           | 4.2            | 14.2             | 70.5         | 11.0   | 46.8    | 66.9        | 6.0    | 62.8    | 0.644                   | 2998          | 12521          |
| Sorg. Part./Chromatin | NK8416              | Conv                      | L                           | 4.1            | 10.5             | 60.9         | 10.4   | 42.8    | 68.9        | 5.7    | 66.4    | 0.683                   | 3266          | 13669          |
| Browning Seed, Inc.   | Bundle King         | Conv                      | M                           | 3.6            | 11.4             | 68.0         | 9.8    | 47.9    | 68.3        | 5.9    | 63.1    | 0.646                   | 3027          | 11009          |
| Sorg. Part./Chromatin | X840                | Conv                      | L                           | 3.6            | 10.3             | 64.7         | 10.8   | 44.1    | 66.8        | 5.9    | 65.1    | 0.669                   | 3158          | 11445          |
| CPS Dyna-Gro          | FX12152             | BMR                       | ML                          | 3.3            | 13.3             | 74.9         | 11.3   | 50.0    | 71.9        | 6.4    | 61.6    | 0.630                   | 2945          | 9790           |
| Trial Mean            |                     |                           |                             | 4.4            | 14.6             | 69.0         | 10.3   | 47.5    | 67.1        | 5.8    | 63.6    | 0.653                   | 3056          | 13351          |
| LSD                   |                     |                           |                             | 1.0            | 2.1              | 4.3          | 1.1    | 4.4     | 3.4         | NS     | 2.4     | 0.027                   | 161           | 3366           |
| LSD P >               |                     |                           |                             | 0.05           | 0.05             | 0.05         | 0.05   | 0.05    | 0.05        | 0.05   | 0.05    | 0.05                    | 0.05          | 0.05           |
| CV                    |                     |                           |                             | 13.0           | 8.5              | 3.4          | 6.5    | 5.6     | 3.0         | 11.4   | 2.3     | 2.5                     | 3.1           | 15.1           |
| F Test                |                     |                           |                             | 0.0144         | <0.0001          | <0.0001      | 0.0326 | <0.0001 | 0.0009      | 0.3879 | <0.0001 | <0.0001                 | <0.0001       | 0.0230         |

<sup>†</sup> Sorghum Type: Conv = Conventional, BMR = Brown Midrib

<sup>§</sup> Maturity Group: E = Early, M = Medium, L = Late, PS = Photoperiod Sensitive