

Grain Sorghum Performance at the Red River Research Station Bossier City

Location Summary

Although May and June were extremely dry (see weather chart below), grain yields were excellent ranging from 4,540 to 6,521 lb/a with a trial average of 5,543 lb/a (Table 3). Test weights were also very good ranging from 53.9 to 58.8 lb/bu with a trial average of 56.8 lb/bu. The LSD (0.10) for yield was very low (395 lb/a) resulting in only three hybrids falling within the highest-yielding group in 2010. There were twelve hybrids having two-year averages; however, no hybrid fell into the two-year highest-yielding group. There was moderate bird damage ranging from 5 to 25% with a trial average of 15%.

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|--------------------|--|
| Soil Type..... | Moreland silty clay loam |
| Row Spacing..... | 40 inches |
| Seeding Rate..... | 6-7 seed/ft |
| Planting Date..... | May 4 |
| Previous Crop..... | Cotton |
| Fertilization..... | 32-0-0 @ 130 lb N/a @ (5/20) |
| Herbicides..... | Atrazine @ 1.6 qt/a, Dual @1.2 pt/a (5/4); |
| Harvest Date..... | August 11 |

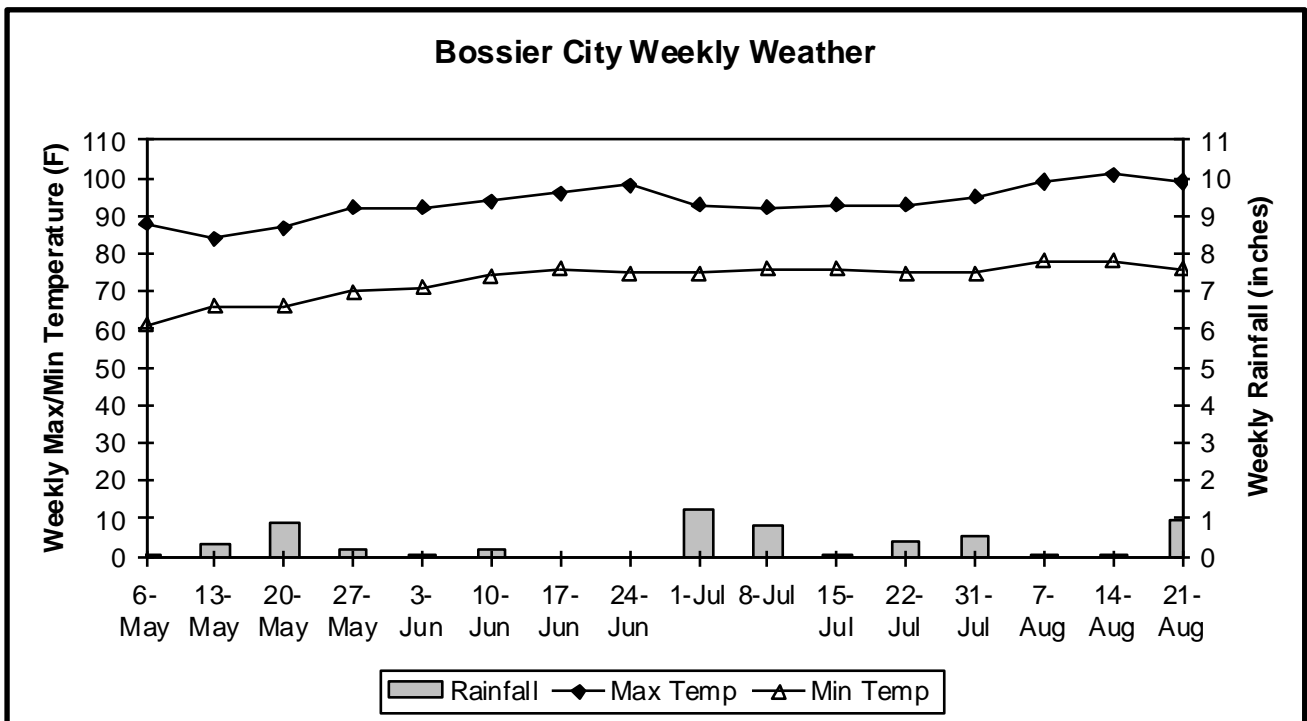


Table 3. Performance of grain sorghum hybrids at Bossier City, 2010.

| Brand/hybrid | 2010 Yield ¹ lb/a | 2-Year avg lb/a | GrMo % | Test wt lb/bu | Mid- head DAP | Plant ht in | Head type 1-5 | Head exert In | Bird % |
|-------------------|------------------------------------|-----------------------|-------------|---------------------|---------------------|-------------------|---------------------|---------------------|-----------|
| Syngenta 5556 | 6,521 | - | 13.7 | 58.6 | 53 | 47 | 3 | 4 | 10 |
| Pioneer 84G62 | 6,367 | 5,408 | 14.1 | 58.0 | 51 | 51 | 2 | 1 | 20 |
| Dekalb DKS53-67 | 6,276 | 5,508 | 15.3 | 57.7 | 56 | 51 | 2 | 4 | 5 |
| Syngenta 5464 | 6,085 | - | 14.0 | 57.3 | 52 | 49 | 3 | 3 | 15 |
| Dekalb DKS49-45 | 5,963 | - | 14.8 | 55.7 | 55 | 52 | 2 | 2 | 10 |
| Dekalb DKS54-00 | 5,874 | 5,290 | 17.1 | 53.9 | 58 | 54 | 2 | 7 | 15 |
| Dekalb DKS54-03 | 5,857 | 5,149 | 14.5 | 56.3 | 55 | 51 | 2 | 5 | 10 |
| Pioneer 83P17 | 5,701 | - | 15.2 | 56.2 | 54 | 52 | 2 | 1 | 15 |
| Dyna-Gro 780B | 5,650 | 5,030 | 13.3 | 58.8 | 54 | 53 | 1 | 2 | 15 |
| Terral TV9421 | 5,493 | 5,458 | 13.6 | 55.8 | 49 | 46 | 3 | 2 | 20 |
| Terral TV96H91 | 5,323 | 5,106 | 13.6 | 58.6 | 52 | 51 | 2 | 4 | 25 |
| Golden Acres 3696 | 5,207 | 5,104 | 13.6 | 56.3 | 50 | 49 | 3 | 2 | 20 |
| Dyna-Gro 771B | 5,119 | 4,912 | 13.3 | 56.8 | 50 | 51 | 2 | 3 | 20 |
| Terral TV96H81 | 5,020 | 4,970 | 13.0 | 57.1 | 52 | 51 | 1 | 2 | 15 |
| Terral TV96H95 | 4,833 | 4,823 | 13.8 | 54.7 | 51 | 52 | 2 | 3 | 20 |
| Golden Acres 3566 | 4,635 | - | 13.7 | 56.8 | 50 | 48 | 2 | 2 | 25 |
| Dyna-Gro 751B | 4,540 | 4,671 | 13.4 | 56.9 | 54 | 48 | 1 | 2 | 20 |
| Average | 5,543 | . | 14.1 | 56.8 | 53 | 50 | 2 | 3 | 15 |
| CV, % | 6 | . | 5 | 2 | 2 | 4 | 20 | 42 | 31 |
| LSD (0.10) | 395 | . | 0.9 | 1.2 | 1 | NS | 1 | 2 | 10 |

¹Yields in bold denote hybrids that are in the highest-yielding group in 2010.