

New Mexico 2007 Limited Irrigated Grain Sorghum Performance Test - Agricultural Science Center at Clovis

Investigators: R.E. Kirksey, M.A. Marsalis, A. Scott, and B. Niece

Test Description

<p>Location: County/Area: Curry Longitude: -103.22 Latitude: 34.60 Elevation: 4435 ft. Soil Name: Olton Soil Texture: clay loam Soil Depth: >60 in.</p> <p>Test Design: Replications: 4 Plot Length: 20 ft. Rows per Plot: 2 Row Spacing: 30 in. Seeding Rate: 80,000 seed/a</p>	<p>Management Practices: Previous Crop: Wheat Planting Date: 15-Jun Harvest Date: 1-Nov</p> <p>Production Inputs</p> <table border="1"> <thead> <tr> <th></th> <th>Rate</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td colspan="3">Fertilizer:</td> </tr> <tr> <td>Nitrogen</td> <td>110 lb/a</td> <td>8-Jun</td> </tr> <tr> <td>P₂O₅</td> <td>50 lb/a</td> <td>8-Jun</td> </tr> <tr> <td>Zn</td> <td>0.5 lb/a</td> <td>8-Jun</td> </tr> <tr> <td colspan="3">Herbicides:</td> </tr> <tr> <td>Buccaneer</td> <td>1 pt/a</td> <td>3-May</td> </tr> <tr> <td>HiDep</td> <td>1 pt/a</td> <td>3-May</td> </tr> <tr> <td>Aatrex</td> <td>2 pt/a</td> <td>6-Jun</td> </tr> <tr> <td colspan="3">Insecticides:</td> </tr> <tr> <td colspan="3">None</td> </tr> </tbody> </table>		Rate	Date	Fertilizer:			Nitrogen	110 lb/a	8-Jun	P ₂ O ₅	50 lb/a	8-Jun	Zn	0.5 lb/a	8-Jun	Herbicides:			Buccaneer	1 pt/a	3-May	HiDep	1 pt/a	3-May	Aatrex	2 pt/a	6-Jun	Insecticides:			None			<p>Growing Conditions:</p> <table border="1"> <thead> <tr> <th></th> <th>Average Temp. °F</th> <th>Precip. in.</th> <th>Irrigation in.</th> </tr> </thead> <tbody> <tr><td>January</td><td>29.5</td><td>0.9</td><td></td></tr> <tr><td>February</td><td>40.0</td><td>0.2</td><td></td></tr> <tr><td>March</td><td>49.0</td><td>3.7</td><td></td></tr> <tr><td>April</td><td>51.0</td><td>0.2</td><td></td></tr> <tr><td>May</td><td>66.0</td><td>2.4</td><td></td></tr> <tr><td>June</td><td>70.0</td><td>3.9</td><td>0.3</td></tr> <tr><td>July</td><td>75.0</td><td>0.9</td><td>1.5</td></tr> <tr><td>August</td><td>77.0</td><td>1.2</td><td>4.5</td></tr> <tr><td>September</td><td>70.5</td><td>4.2</td><td>0.5</td></tr> <tr><td>October</td><td>60.5</td><td>0.2</td><td></td></tr> <tr><td>November</td><td>46.5</td><td>0.1</td><td></td></tr> <tr><td>December</td><td>40.0</td><td>1.8</td><td></td></tr> <tr> <td>Seasonal Precipitation:</td> <td></td> <td>19.7 in.</td> <td></td> </tr> <tr> <td>Total Irrigation:</td> <td></td> <td>6.8 in.</td> <td></td> </tr> <tr> <td>Date of Last Spring Frost:</td> <td colspan="3">26-Apr</td> </tr> <tr> <td>Date of First Fall Frost:</td> <td colspan="3">22-Oct</td> </tr> <tr> <td>Frost Free Period:</td> <td colspan="3">179 days</td> </tr> </tbody> </table>		Average Temp. °F	Precip. in.	Irrigation in.	January	29.5	0.9		February	40.0	0.2		March	49.0	3.7		April	51.0	0.2		May	66.0	2.4		June	70.0	3.9	0.3	July	75.0	0.9	1.5	August	77.0	1.2	4.5	September	70.5	4.2	0.5	October	60.5	0.2		November	46.5	0.1		December	40.0	1.8		Seasonal Precipitation:		19.7 in.		Total Irrigation:		6.8 in.		Date of Last Spring Frost:	26-Apr			Date of First Fall Frost:	22-Oct			Frost Free Period:	179 days		
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