

New Mexico 2019 Irrigated Forage Sorghum Performance Test - Agricultural Science Center at Clovis

Investigators: A. Mesbah, A. Scott, and B. Niece

Test Description

Location:	Management Practices:	Growing Conditions:																																																																																																																											
County/Area: Curry Longitude: -103.22 Latitude: 34.60 Elevation: 4435 ft. Soil Name: Olton Soil Texture: clay loam Soil Depth: >60 in.	Previous Crop: fallow Planting Date: 29-May Harvest Date: 17-Sep Production Inputs <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>28 lb/ac</td> <td>carryover</td> </tr> <tr> <td>Nitrogen</td> <td>120 lb/ac</td> <td>pre-plant</td> </tr> <tr> <td>Phos</td> <td>30 lb/ac</td> <td>pre-plant</td> </tr> <tr> <td>S</td> <td>20.5 lb/ac</td> <td>pre-plant</td> </tr> <tr> <td>Chelated Zn</td> <td>3 qt/ac</td> <td>pre-plant</td> </tr> <tr> <td colspan="3">Herbicides:</td> </tr> <tr> <td>Atrazine</td> <td>2 pt/ac</td> <td>at plant</td> </tr> <tr> <td>Brawl</td> <td>1.5 pt/ac</td> <td>at plant</td> </tr> <tr> <td>Glyphosate</td> <td>32 oz/ac</td> <td>at plant</td> </tr> <tr> <td>Huskie</td> <td>1 pt/ac</td> <td>10-Jul</td> </tr> <tr> <td>Atrazine</td> <td>1 pt/ac</td> <td>10-Jul</td> </tr> <tr> <td>Warrant</td> <td>1.5 qt/ac</td> <td>10-Jul</td> </tr> <tr> <td colspan="3">Insecticides:</td> </tr> <tr> <td>Sivanto</td> <td>10.5 oz/ac</td> <td>30-Aug</td> </tr> <tr> <td>Onager</td> <td>20 oz/ac</td> <td>30-Aug</td> </tr> </tbody> </table>		Rate	Date	Fertilizer:			Nitrogen	28 lb/ac	carryover	Nitrogen	120 lb/ac	pre-plant	Phos	30 lb/ac	pre-plant	S	20.5 lb/ac	pre-plant	Chelated Zn	3 qt/ac	pre-plant	Herbicides:			Atrazine	2 pt/ac	at plant	Brawl	1.5 pt/ac	at plant	Glyphosate	32 oz/ac	at plant	Huskie	1 pt/ac	10-Jul	Atrazine	1 pt/ac	10-Jul	Warrant	1.5 qt/ac	10-Jul	Insecticides:			Sivanto	10.5 oz/ac	30-Aug	Onager	20 oz/ac	30-Aug	<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>38.5</td><td></td><td></td></tr> <tr><td>February</td><td>41.4</td><td></td><td></td></tr> <tr><td>March</td><td>45.7</td><td></td><td></td></tr> <tr><td>April</td><td>56.0</td><td></td><td></td></tr> <tr><td>May</td><td>63.2</td><td>1.69</td><td></td></tr> <tr><td>June</td><td>72.7</td><td>2.09</td><td>1.00</td></tr> <tr><td>July</td><td>78.0</td><td>4.45</td><td>3.80</td></tr> <tr><td>August</td><td>78.5</td><td>3.15</td><td>2.65</td></tr> <tr><td>September 1-18</td><td>74.0</td><td>0.10</td><td>0.00</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>11.5 in.</td> <td></td> </tr> <tr> <td>Total Irrigation:</td> <td></td> <td>7.5 in.</td> <td></td> </tr> <tr> <td>Date of Last Spring Frost:</td> <td></td> <td>15-Apr</td> <td></td> </tr> <tr> <td>Date of First Fall Frost:</td> <td></td> <td>11-Oct</td> <td></td> </tr> <tr> <td>Frost Free Period:</td> <td></td> <td>178 days</td> <td></td> </tr> </tbody> </table>		Average Temp. °F	Precip. in.	Irrigation in.	January	38.5			February	41.4			March	45.7			April	56.0			May	63.2	1.69		June	72.7	2.09	1.00	July	78.0	4.45	3.80	August	78.5	3.15	2.65	September 1-18	74.0	0.10	0.00	October				November				December				Seasonal Precipitation:		11.5 in.		Total Irrigation:		7.5 in.		Date of Last Spring Frost:		15-Apr		Date of First Fall Frost:		11-Oct		Frost Free Period:		178 days	
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