



Driscoll

2024 Grain Sorghum Performance Trial



Brand	Hybrid	Days to 50% Flower	Plant Height (in)	Head Ex (in)	Lodging (%)	Moisture (%)	Test Weight (lbs/bu)	Yield * (lbs/acre)
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Agronomic information

Plant Date	2/26/2024
Harvest Date	6/17/2024
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	60,000
Precipitation (in)	6.8
Irrigation (in)	
Herbicide	

Soil Type	Victoria clay
Tillage	Conventional
Previous Crop	Cotton

Mean	67	51	6	45.3	14.1	63.5	3,568
C.V. %	1.1	3.5	24.0	59.0	5.6	1.3	26.6
P>f (hybrid)	0.000	0.000			0.338	0.000	0.009
L.S.D.	1.1	2.6				1.2	

Trial Notes

The week before harvest strong winds resulted in significant lodging. Results will not be published due to high CV.

* Mehlich 3 by ICP, soiltesting.tamu.edu
** Samples collected at planting, some locations may have applied fertilizer

Cooperator: McNair Farms

Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. SAS 9.4 was used for statistical analysis. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System. Precipitation data was recorded from planting date through the harvest date. For additional information contact:

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979-845-2935 / 979-845-8505

Fertilizer Applied		Soil Analysis Report**			
N (lb/ac)		NO3-N (ppm)	21	pH	7.8
P2O5 (lb/ac)		P (ppm)*	33	Conductivity (umho/cm)	96
K2O (lb/ac)		K (ppm)*	539	Ca (ppm)*	7,698
S (lb/ac)		S (ppm)*	62	Mg (ppm)*	325
Zn (lb/ac)				Na (ppm)*	38

*Yields highlighted in yellow are not significantly different (L.S.D., p=0.05) from the top ranked hybrid.



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Brand	Hybrid	Plant Population per Acre	Heads per Acre	Plant Stand %	Mean Tiller # per Plant	Lodging (%)	Head Size lb/head	Weathering Rating (0-9)	Iron Chlorosis Rating
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Mean	52,993	58,398	88	0.13	45.3	0.06		
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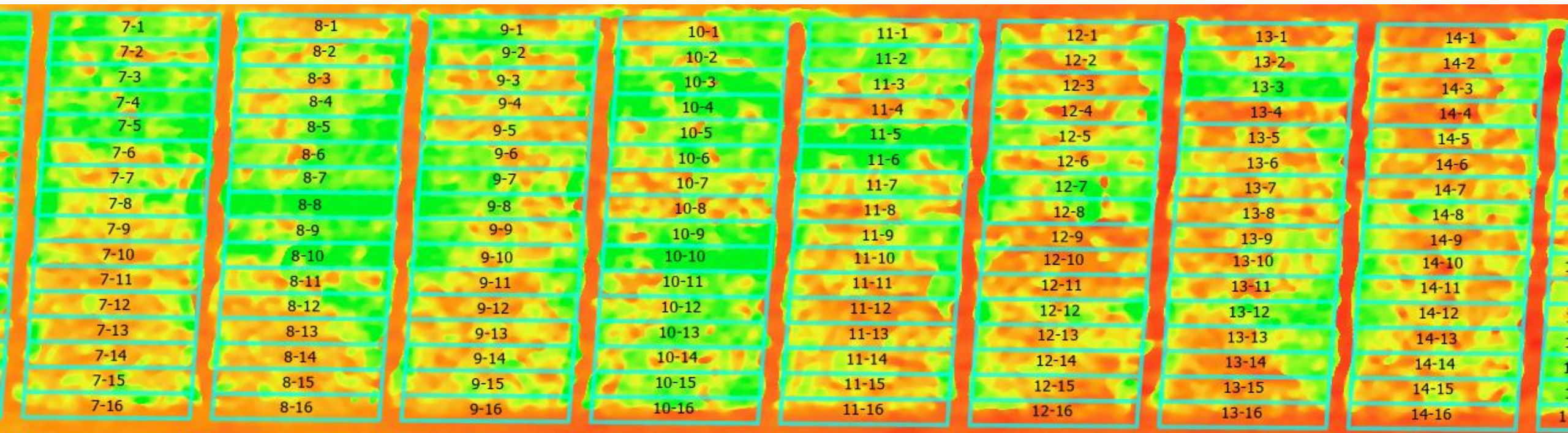
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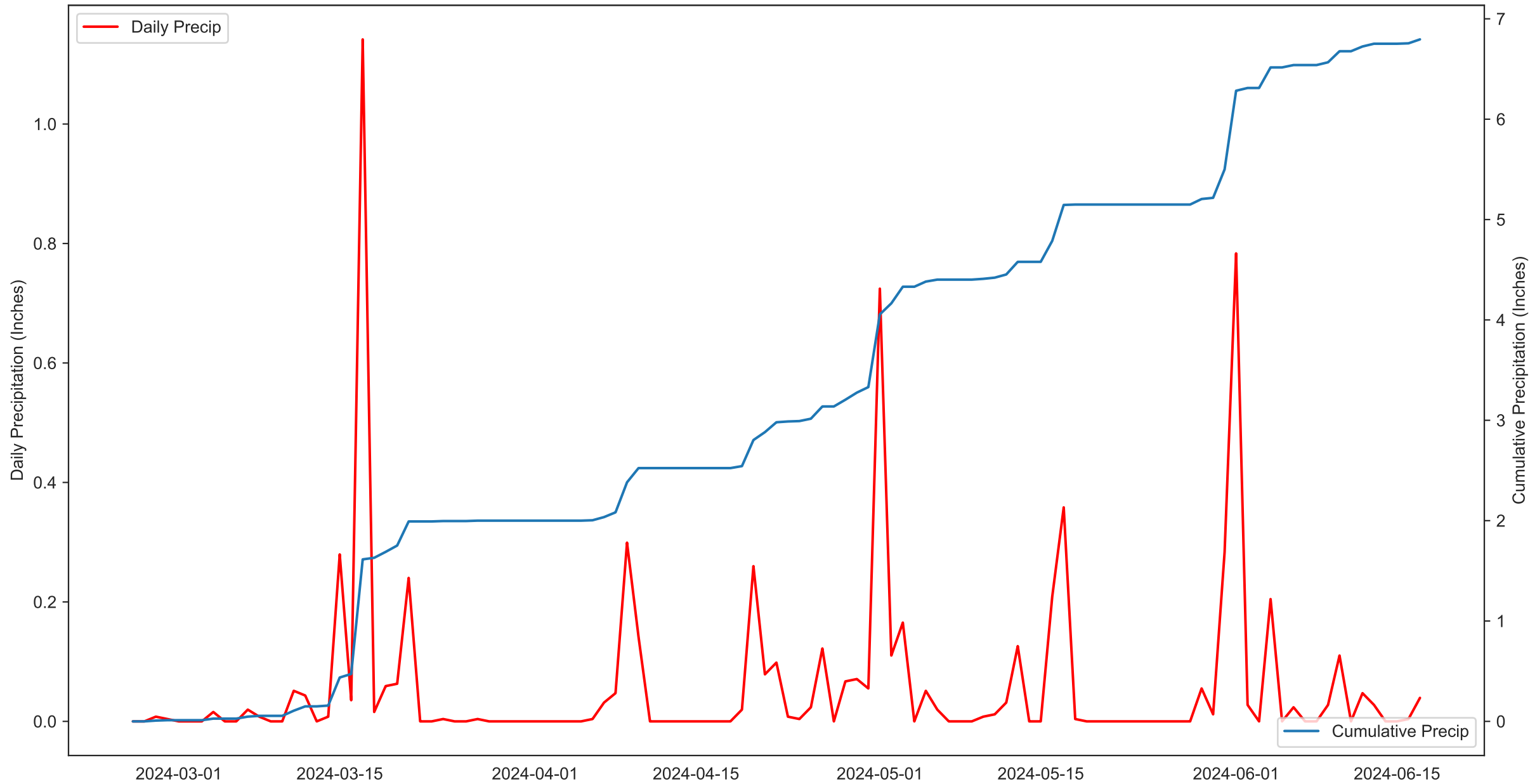
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UAV imagery 6/17/24: Digital Surface Model for plant height reflecting lodging in field. Values range from 42 inches (green) to 16 inches (dark orange). A deep red color indicates surface level height values.

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