

## 2021 Colby, Kansas Irrigated Grain Sorghum Performance Test, Thomas County

KSU NW Agricultural Research Center, Colby

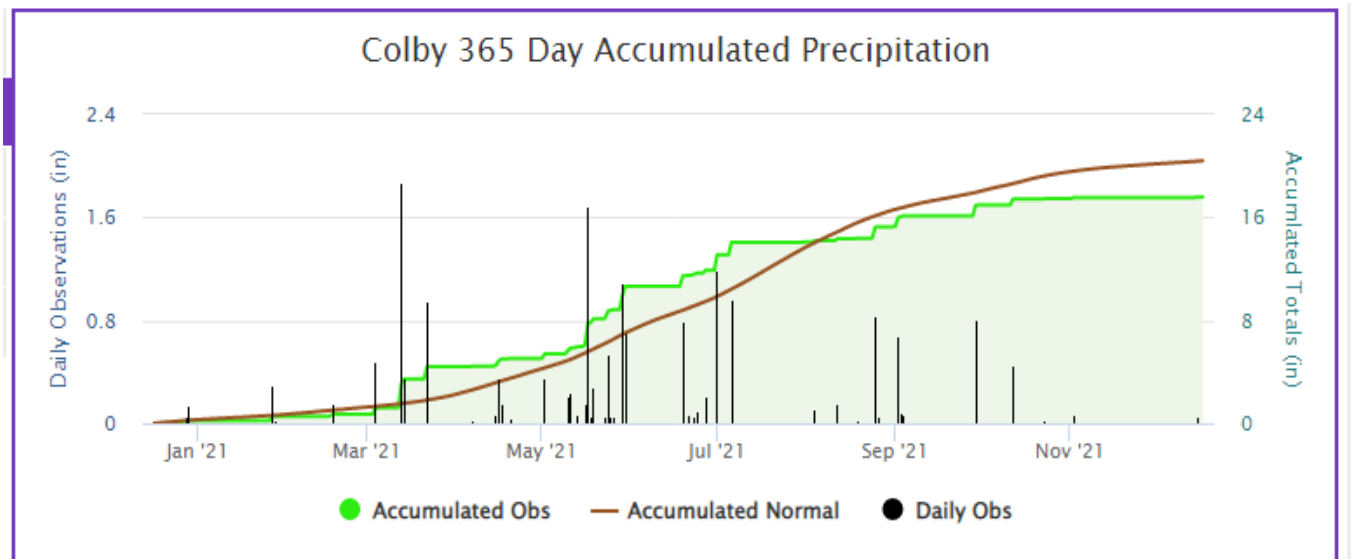
Planted: 6/11/2021

200-50-0 lb/a N, P, K

Atrazine 4L 32 oz/A, Detonate 16 oz/A, Buccaneer 5Extra 32 oz/A on 4/2/21

Atrazine 4L 32oz, Charger Basic 32oz, Mesotrione 6.4oz, Detonate 8oz on 6/12/21

Irrigation: 7.0 inches



<https://mesonet.k-state.edu/precip/daily/#mtIndex=24&tab=chart-tab>

BRAND	NAME	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	PHT (in)	DAYS (1/2 bloom)
DEKALB	DKS45-23	257.7	123.2	52.1	10.5	62.3	63.0
DEKALB	DKS53-53	249.5	119.3	51.7	11.0	61.0	65.0
DEKALB	DKS38-16	241.7	115.6	56.8	10.7	62.5	61.3
MATURITY CHECK	EARLY	231.6	110.7	55.1	11.7	58.8	63.5
DYNA-GRO	GX20973	231.3	110.6	57.2	11.0	59.8	59.8
DYNA-GRO	M67GB87	227.8	108.9	52.3	11.0	65.0	62.8
DYNA-GRO	GX20998	224.5	107.4	54.3	10.7	58.5	63.3
DYNA-GRO	M60GB31	223.1	106.7	52.3	9.7	55.3	63.3
SORGHUM PARTNERS	SPSA308	219.5	105.0	52.9	12.0	60.8	64.3
DYNA-GRO	M59GB94	219.1	104.8	53.5	10.6	58.5	59.8
MATURITY CHECK	LATE	217.6	104.0	54.2	9.0	58.0	59.8
SORGHUM PARTNERS	SPSC344	216.9	103.7	50.0	10.4	58.0	63.0
ADVANTA	ADV G1120IG	216.2	103.4	55.0	12.1	59.5	61.5
DYNA-GRO	M63GB78	216.1	103.3	53.9	11.4	60.3	62.0
RAGT	AC2103	215.6	103.1	53.2	8.5	59.0	59.8
ADVANTA	ADV G2275	214.0	102.3	56.6	13.0	59.5	63.0
SORGHUM PARTNERS	SP 68M57	212.9	101.8	54.5	11.8	55.8	62.5
MATURITY CHECK	MED	202.7	96.9	54.4	10.2	53.3	59.5
SORGHUM PARTNERS	SP 74M21	202.6	96.9	52.2	11.5	62.8	65.0
RAGT	AC2104	202.6	96.9	55.0	9.8	61.0	59.5
ADVANTA	ADV G1153	200.9	96.1	52.1	10.4	54.5	63.0
SORGHUM PARTNERS	SP 43M80	198.5	94.9	52.3	11.7	55.8	59.0

BRAND	NAME	YIELD (bu/a)	PAVG (%)	TW (lb/bu)	MOIST (%)	PHT (in)	DAYS (1/2 bloom)
SORGHUM PARTNERS	SPSC343	196.2	93.8	54.8	11.3	62.8	63.3
ADVANTA	ADVG2177IG	194.4	93.0	53.0	10.8	54.0	67.3
ADVANTA	ADV G2168IG	193.6	92.6	53.3	10.7	52.8	61.5
ADVANTA	ADV G1142IG	189.4	90.6	53.4	10.2	54.5	63.8
RAGT	AC2102	175.8	84.1	53.6	8.9	55.8	60.8
ADVANTA	ADV G1329	167.8	80.2	51.0	9.6	42.5	62.0
DYNA-GRO	M59GB57	160.6	76.8	50.1	9.9	50.0	59.3
DYNA-GRO	M54GR24	153.7	73.5	52.1	9.7	49.5	59.3
	AVERAGE	209.1	100.0	53.4	10.7	57.4	60.7
	CV (%)	8.3	8.3	3.0	4.0	4.4	1.8
	LSD (0.05)	26.1	12.4	2.4	3.1	3.5	1.6

\*Yields must differ by more than the LSD value to be considered statistically different. **Top LSD group in bold.**