

**Trial Number: Sorghum-01- 2018 Sorghum Hybrid Trial**

**SOUTHWESTERN COLORADO  
RESEARCH CENTER**  
COLORADO STATE UNIVERSITY

**Objective:** Evaluate grain sorghum yield and maturity differences under irrigated conditions in southwest Colorado

**Location:** SWCRC - Yellow Jacket, CO

**Researcher(s):** Kathleen Russell

**Crop:** Grain Sorghum **Previous Crop:** Spring Wheat

**Target Rate (seeds/A):** 36,000

**Planting Date:** 5/29/2018

**Harvest Date:** 11/6/2018

**Harvest Device:** Hege Plot Combine

**Weighing Device:** Calibrated Scale

**Soil Type:** Wetherill Loam

**Trial Results:**

Fertilizer	Rate (lb/A)	Timing	Totals
N:	110.0	Preplant	110.00
P2O5:	30.0	Preplant	30.00
K2O:	30.0	Preplant	30.00
0-0-0-90 (S)	0.0	Preplant	0.00

**Row Width (in):** 12

**Tillage:** Disk

**Harvest Rows:** 4

**Notes:** Highlighted hybrids performed better than the trial average. The location experienced significant drought conditions despite supplemental irrigation. Total irrigation: 11.4 in. Total precipitation: 3.6 in. Total Irrigation + Precipitation: 15.0 in. Additionally, significant bird damage occurred in most plots due to delayed harvest conditions.

Entry #	Entry	Cooperator	Average Date of 50% Bloom	Days to Bloom	Average Yield (bu/A)
28	Pioneer 87P06	Pioneer	26-Aug	89.67	40.36
27	Pioneer 89Y79	Pioneer	23-Aug	86.33	32.92
23	ALTA XG629	Advanta Seeds	22-Aug	85.33	32.42
5	M59GB57	Dyna-Gro	21-Aug	84.00	31.89
21	ALTA AG1201	Advanta Seeds	22-Aug	85.00	30.22
26	Pioneer 86P20	Pioneer	25-Aug	88.33	27.99
29	Pioneer 88Y47	Pioneer	27-Aug	90.00	24.99
11	SP68M57	Sorghum Partners	26-Aug	89.67	24.33
25	ALTA AG1101	Advanta Seeds	23-Aug	86.67	22.61
3	GX17914	Dyna-Gro	21-Aug	84.67	22.28
20	DKS33-07	Dekalb	27-Aug	90.67	22.15
14	SPRINT II	Richardson Seeds	26-Aug	89.00	21.50
16	RS 320	Richardson Seeds	20-Aug	83.67	20.43
6	M60GB88	Dyna-Gro	24-Aug	87.00	20.05
15	RS310	Richardson Seeds	23-Aug	86.33	17.82
10	SP25C310	Sorghum Partners	23-Aug	86.67	14.24
18	RS124	Richardson Seeds	17-Aug	80.00	14.16
1	GX18919	Dyna-Gro	21-Aug	84.00	13.68
4	GX17917	Dyna-Gro	20-Aug	83.33	13.46
19	DKS29-07	Dekalb	25-Aug	88.33	13.43
8	M60GB31	Dyna-Gro	30-Aug	93.67	13.17
9	SP33540	Sorghum Partners	22-Aug	85.00	12.75
7	GXT7912	Dyna-Gro	21-Aug	84.00	12.18
17	SWIFT	Richardson Seeds	15-Aug	78.00	11.87
22	ALTA XG001	Advanta Seeds	26-Aug	89.00	11.79
2	M71GB01	Dyna-Gro	16-Aug	79.00	11.40
24	ALTA XG602	Advanta Seeds	29-Aug	92.33	9.92
12	SP31A15	Sorghum Partners	23-Aug	86.33	8.81
13	SP25C10	Sorghum Partners	19-Aug	82.00	8.64
<b>LSD (p&lt;0.05)</b>				4.31	14.04
<b>Mean</b>				85.87	19.01
<b>SE</b>				1.53	4.96
<b>CV</b>				3.08	45.24