

NC STATE UNIVERSITY

Sorghum - Full Season (2016)

Company	Hybrid	Kinston		Lewiston		Average Yield
		No Fungicide	Fungicide	No Fungicide	Fungicide	
-----bu acre ⁻¹ -----						
Sorghum Partners	SP7715	98.7	100.5	n/a	n/a	99.6
Pioneer	83P17	92.5 *	73.5	66.7 *	64.6	74.3
Dyna-Grow	765B	78.6	78.8	52.0	50.9	65.1
Monsanto	DKS48-07	76.6	90.0 *	64.8 *	77.0	77.1
Monsanto	DKS51-01	76.0	66.7	61.6	63.8	67.0
Dyna-Grow	M71GR75	65.1	65.0	67.7 *	65.7	65.9
Sorghum Partners	NK6638	65.1	74.7	n/a	n/a	69.9
Meherrin AG	SH90G6	63.4	69.7	53.7	55.5	60.6
Monsanto	DKS53-53	62.5	92.1 *	70.2	65.5	72.6
Meherrin AG	SH94153	52.5	48.2	36.7	41.8	44.8
Dyna-Grow	M60GB31	51.8	65.9	44.3	42.4	51.1
Sorghum Partners	SP78M30	51.6	68.0	n/a	n/a	59.8
Pioneer	84P80	51.5	61.0	63.1 *	61.4	59.2
Monsanto	DKS54-00	51.1	79.6	48.3	69.1 *	62.0
Southern States	SS800	49.9	45.4	58.1	58.1	52.8
Dyna-Grow	M75GR47	46.4	65.0	51.8	55.2	54.6
Southern States	SS655	42.7	54.0	39.9	47.5	46.0
Chromatin	CHR0029	35.5	60.0	n/a	n/a	47.8
Sorghum Partners	SP31A15	31.4	22.4	n/a	n/a	26.9
Sorghum Partners	SP34A19	27.3	26.9	n/a	n/a	27.1
Location Average		58.5	64.7	55.7	58.5	
CV (%)		12.3	14.2	10.0	8.5	
LSD (0.05)		10.2	13.0	8.0	7.1	

BOLD = Highest yielding hybrids

* Statistically similar to highest yielding hybrids

**n/a indicates that the hybrid was not tested in Lewiston

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Sorghum – Double Crop (2016)

Company	Hybrid	Kinston		Lewiston		Average Yield
		No Fungicide	Fungicide	No Fungicide	Fungicide	
-----bu acre ⁻¹ -----						
Pioneer	84P80	77.0	76.3	28.1	39.2 *	55.1
Meherrin AG	SH65G9	71.8 *	69.7 *	35.2	44.3	55.3
Dyna-Grow	M60GB31	71.8 *	59.8	27.1	32.0	47.7
Monsanto	DKS53-53	68.4 *	68.8 *	26.6	29.4	48.3
Monsanto	DKS51-01	66.6	72.6 *	28.0	36.8 *	51.0
Pioneer	83P17	64.8	63.0	20.5	31.8	45.0
Meherrin AG	SH80G4	64.2	72.8 *	37.4	39.2	53.4
Meherrin AG	SH59G4	61.8	66.7 *	33.9	36.2	49.7
Dyna-Grow	M75GR47	60.5	66.0 *	28.3	31.6	46.5
Southern States	SS540	59.0	60.6	31.2	39.5 *	47.6
Monsanto	DKS48-07	55.5	68.3 *	30.6	34.9	47.3
Dyna-Grow	M71GR75	50.5	39.8	36.0	17.1	35.9
Monsanto	DKS54-00	47.9	42.0	24.2	24.3	34.6
Location Average		63.04	63.6	30.5	33.2	
CV (%)		11.2	13.0	18.2	16.2	
LSD (0.05)		10.1	11.9	n/s**	7.3	

BOLD = Highest yielding hybrids

* Statistically similar to highest yielding hybrids

**The non-fungicide treated Sorghum hybrids in Lewiston were all statistically similar.