

**PROJECT TITLE:** Statewide Durum Variety Performance - 2007

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**OBJECTIVE:** To evaluate new and existing varieties and experimental lines of durum under various growing conditions and environments in Montana.

**RESULTS:** The 2007 Statewide durum yield trial was grown at two irrigated and seven dryland sites. Irrigated sites were at Sidney and Conrad, and dryland sites were at Bozeman, Huntley, Havre, Moccasin, Conrad, Sidney, and Williston, ND. Replicated multiple-row plots were established at all locations using standard research techniques. Summaries of heading, height, test weight, protein content, seed weight, hard vitreous amber color (HVAC), sawfly damage, disease and yield are in Tables 1-9. A summary of all characters across sites is shown in Table 10.

Highest yielding varieties at each site were Alzada at **Havre**, Alzada at **Moccasin**, MT01695 at **Conrad irrigated**, Alzada at **Conrad dryland**, Mountrail at **Sidney dryland** and **Sidney irrigated**, MT02525 **Huntley**, MT03012 **Bozeman**, and Alkabo at **Williston**. Highest yielding variety across dryland sites was MT01695 (Table 10). Highest yielding variety across irrigated sites was Grenora (Table 10). Highest yielding variety across all sites was Grenora (Table 9).

Earliest blooming line across sites was MT03012, latest blooming line was MT03108 (Table 1). Shortest line across sites was Levante, tallest line was Pierce (Table 2). MT01695 had the greatest test weight across sites (Table 3). Strongfield had the highest protein across sites (Table 4). Alzada had the heaviest seed across sites (Table 5). MT04174 had the highest percent hard vitreous amber color across sites (Table 6). MT02DH82 had the most sawfly damage, while Normanno, MT02302, MT01695, MT04315, and MT04317 had no sawfly damage (Table 7). Normanno had the highest disease rating (Table 8).

**SUMMARY:** Highest yielding varieties at each site were Alzada at Havre, Alzada at Moccasin, MT01695 at Conrad irrigated, Alzada at Conrad dryland, Mountrail at Sidney dryland and Sidney irrigated, MT02525 Huntley, MT03012 Bozeman, and Alkabo at Williston. Highest yielding variety across dryland sites was MT01695. Highest yielding variety across irrigated sites was Grenora. Highest yielding variety across all sites was Grenora.

**FUTURE PLANS:** New and existing varieties and experimental lines will continue to be evaluated at Bozeman and the Research Centers in Montana, so that breeders can release improved varieties and producers can have information on varieties best adapted to conditions in their areas.

Table 1. Heading (days from planting) of durum lines and varieties in the 2007 statewide durum yield trial.

entry	Williston	Sidney Dry	Sidney Irr	Conrad Irr	Conrad Dry	Havre	Moccasin	Huntley	Bozeman	Average
Mountrail	58.7	61	55.0	62	63	61.0	71.7	86.0	65	64.9
Divide	60.7	62	57.3	63	63	58.0	70.7	86.3	66	65.2
Pierce	59.0	61	56.7	63	63	60.0	71.3	85.7	65	64.9
Alkabo	57.3	61	54.7	62	62	58.7	71.3	85.7	65	64.1
Grenora	56.7	60	54.3	62	62	60.0	71.7	85.3	65	64.1
Levante	57.7	59	53.7	60	61	60.0	69.3	85.0	64	63.3
Alzada	56.3	58	53.7	61	61	56.3	70.0	82.3	63	62.4
Strongfield	58.7	61	57.0	63	63	59.3	71.7	86.7	65	65.0
Normanno	61.0	60	55.0	62	62	59.7	70.7	83.7	65	64.3
MT02525	59.0	60	54.0	59	60	59.3	69.3	84.0	64	63.1
MT02DH55	59.0	60	55.7	63	63	59.3	72.0	86.3	65	64.8
MT03012	57.0	58	54.0	59	60	57.0	68.0	80.3	62	61.7
MT02302	59.7	60	57.0	63	63	61.3	71.7	86.0	64	65.1
MT02298	60.7	62	57.3	63	64	62.0	72.3	86.3	66	65.9
MT03108	60.0	62	58.3	64	64	61.3	72.3	84.7	67	66.0
MT02DH82	59.0	59	55.7	63	63	57.3	71.0	85.7	64	64.2
MT04174	57.0	58	53.3	59	61	58.3	68.0	81.0	62	62.0
MT01695	58.0	58	54.0	62	61	60.0	72.0	85.3	64	63.8
MT04315	59.0	62	57.7	63	64	61.0	71.0	84.3	67	65.4
MT04317	60.0	62	58.3	64	64	61.3	71.3	84.0	67	65.7
Average	58.7	60.2	55.6	62.0	62.4	59.6	70.9	84.7	64.8	64.3
Probability		<0.001	<0.001							
CV (S/mean)	0.6	1.5	1.2			0.8				
CV (SE/mean)		0.9	0.7			0.5				
LSD 5%	0.8	1.5	1.1			2.4				

Table 2. Height (cm) of durum lines and varieties in the 2007 statewide durum yield trial.

entry	Williston	Sidney Dry	Sidney Irr	Conrad Irr	Conrad Dry	Havre	Moccasin	Huntley	Bozeman	Average
Mountrail	72.0	81.3	85.3	88.9	71.1	66.1	86	98.3	90.0	82.1
Divide	80.0	73.7	86.0	94.0	76.2	73.3	92	98.3	90.8	84.9
Pierce	79.3	80.3	85.0	96.5	73.7	67.4	88	103.9	95.8	85.5
Alkabo	77.3	75.7	77.7	96.5	68.6	66.1	89	94.7	88.0	81.5
Grenora	74.0	78.3	81.7	86.4	68.6	61.7	83	92.5	85.0	79.0
Levante	53.7	61.3	68.3	66.0	53.3	56.5	64	73.4	67.2	62.6
Alzada	69.3	67.3	73.7	73.7	63.5	64.6	71	79.8	73.2	70.7
Strongfield	77.7	73.7	88.0	88.9	73.7	69.0	82	99.1	91.5	82.6
Normanno	57.7	58.3	69.3	71.1	58.4	64.4	65	71.4	65.8	64.6
MT02525	60.0	70.3	71.3	71.1	58.4	59.8	71	75.4	67.5	67.2
MT02DH55	74.7	66.0	77.7	81.3	76.2	61.9	75	91.7	86.3	76.8
MT03012	69.3	63.0	75.7	71.1	63.5	57.9	68	72.1	71.8	68.1
MT02302	61.7	62.7	64.0	71.1	61.0	63.9	62	71.4	67.7	65.0
MT02298	67.0	65.0	73.7	76.2	61.0	56.9	65	74.4	67.2	67.4
MT03108	59.3	54.7	68.0	71.1	58.4	60.0	69	72.6	64.8	64.2
MT02DH82	78.3	78.3	78.0	88.9	78.7	72.4	88	97.3	93.0	83.7
MT04174	68.7	66.7	72.0	68.6	63.5	58.4	70	70.9	72.0	67.9
MT01695	57.7	58.3	67.3	68.6	61.0	59.5	74	73.7	70.2	65.6
MT04315	61.0	61.7	68.7	68.6	58.4	59.2	69	70.4	62.8	64.4
MT04317	62.7	65.0	69.7	68.6	61.0	56.1	69	68.1	66.3	65.2
Average	68.1	68.1	75.1	78.4	65.4	62.7	75.0	82.6	76.8	72.5
Probability		<0.001	<0.001							
CV (S/mean)	4.0	8.9	5.2			7.4				
CV (SE/mean)		5.1	3.0			4.3				
LSD 5%	4.5	9.9	6.3			6.1				

Table 3. Test weight (lb/bu) of durum lines and varieties in the 2007 statewide durum yield trial.

entry	Williston	Sidney Dry	Sidney Irr	Conrad Irr	Conrad Dry	Havre	Moccasin	Huntley	Bozeman	Average
Mountrail	58.3	61.5	60.2	61.3	57.5	58.1	55.0	63.4	56.3	59.1
Divide	58.4	61.8	59.8	61.7	59.5	57.7	56.8	62.5	58.4	59.6
Pierce	58.8	62.0	59.8	62.6	58.8	59.2	57.2	63.9	59.8	60.2
Alkabo	60.0	62.7	61.0	61.9	59.9	58.9	58.0	63.5	58.4	60.5
Grenora	58.8	61.8	59.8	61.2	58.5	57.9	56.9	63.2	57.5	59.5
Levante	57.9	61.7	56.2	61.1	59.4	58.4	55.1	63.4	57.5	59.0
Alzada	58.1	61.0	55.7	61.0	59.0	57.5	56.7	63.5	57.6	58.9
Strongfield	58.5	61.0	58.0	61.8	57.8	57.6	56.6	64.0	57.6	59.2
Normanno	57.2	62.0	57.3	60.9	57.0	57.1	56.0	63.0	57.7	58.7
MT02525	58.8	62.8	60.0	64.0	60.9	59.7	56.5	64.3	59.9	60.8
MT02DH55	57.5	61.0	58.0	60.2	56.4	57.6	54.2	62.7	55.9	58.2
MT03012	59.2	62.5	59.3	62.7	59.1	57.9	54.6	64.0	58.7	59.8
MT02302	56.5	60.2	54.0	59.1	56.3	55.9	53.4	62.1	54.3	56.9
MT02298	58.3	61.0	57.0	60.9	59.0	59.6	57.1	64.5	58.6	59.6
MT03108	55.4	60.0	55.5	59.0	54.6	56.0	52.9	63.0	55.3	56.9
MT02DH82	58.9	62.7	58.7	62.0	60.0	59.3	57.3	63.8	58.5	60.1
MT04174	59.1	62.7	59.0	62.6	59.2	58.5	55.4	64.0	58.8	59.9
MT01695	60.6	64.0	60.7	64.9	61.5	61.4	59.2	65.4	61.6	62.1
MT04315	55.6	60.5	54.7	58.7	53.9	56.8	53.2	63.3	55.8	56.9
MT04317	55.7	60.7	56.2	59.1	53.9	57.0	52.9	63.1	55.6	57.1
Average	58.1	61.7	58.0	61.3	58.1	58.2	55.7	63.5	57.7	59.2
Probability		<0.001	<0.001							
CV (S/mean)	0.6	0.9	2.0			1.0		0.6		
CV (SE/mean)		0.5	1.1			0.6				
LSD 5%	0.8	0.9	1.8			1.0		0.6		

Table 4. Grain protein (percent) of durum lines and varieties in the 2007 statewide durum yield trial.

entry	Williston	Sidney Dry	Sidney Irr	Conrad Irr	Conrad Dry	Havre	Moccasin	Huntley	Bozeman	Average
Mountrail	15.01	12.08	15.24	13.99	15.33	16.10	16.17	9.85	16.00	14.42
Divide	14.31	11.46	15.31	<b>14.16</b>	14.22	15.83	15.24	8.78	15.31	13.85
Pierce	14.81	12.50	15.31	14.00	15.55	15.57	16.21	10.18	15.13	14.36
Alkabo	14.52	12.23	15.26	13.93	14.54	15.44	15.54	9.31	15.91	14.08
Grenora	14.65	12.70	14.95	13.83	14.75	15.66	14.95	10.52	15.37	14.15
Levante	14.61	11.91	15.19	13.13	13.69	15.09	14.57	9.94	14.55	13.63
Alzada	13.80	11.89	<b>16.16</b>	13.31	13.67	15.53	13.46	10.44	14.68	13.66
Strongfield	<b>15.10</b>	12.61	16.14	14.00	15.37	<b>16.69</b>	15.34	10.54	<b>16.25</b>	<b>14.67</b>
Normanno	14.44	11.63	15.29	13.66	14.51	15.55	14.47	10.07	15.19	13.87
MT02525	14.42	11.73	14.76	13.08	14.02	15.06	15.06	10.36	13.90	13.60
MT02DH55	14.52	11.98	15.53	14.06	14.90	16.33	15.96	10.34	16.16	14.42
MT03012	14.66	11.95	15.71	13.51	14.97	16.04	15.47	11.42	14.75	14.27
MT02302	14.82	11.77	16.01	13.52	14.75	15.76	15.63	10.32	15.63	14.24
MT02298	14.31	12.11	15.00	13.11	14.87	15.20	15.48	10.60	14.48	13.91
MT03108	14.60	11.71	15.52	13.83	15.40	16.23	15.51	10.88	15.88	14.40
MT02DH82	14.16	12.49	15.71	14.00	14.32	15.41	15.26	11.56	14.79	14.19
MT04174	14.23	<b>12.88</b>	15.73	13.65	15.20	15.42	15.85	11.14	14.48	14.29
MT01695	13.23	10.91	14.49	12.51	12.91	14.00	14.68	9.14	13.51	12.82
MT04315	14.49	12.22	15.36	13.59	15.55	15.99	16.36	11.21	15.25	14.45
MT04317	14.63	12.05	15.51	13.50	<b>15.65</b>	16.02	<b>16.60</b>	<b>11.87</b>	15.73	14.62
Average	14.47	12.04	15.409	13.60	14.71	15.63	15.39	10.42	15.15	14.09
Probability		<0.001	<0.001							
CV (S/mean)		4.3	2.9							
CV (SE/mean)		2.5	1.7							
LSD 5%		0.85	0.73							

Table 5. Weight of 100 seed (gm) of durum lines and varieties in the 2007 statewide durum yield trial.

entry	Williston	Sidney Dry	Sidney Irr	Conrad Irr	Conrad Dry	Havre	Moccasin	Huntley	Bozeman	Average
Mountrail	3.0	3.6	3.9	3.7	2.9	2.9	2.3	3.8	2.7	3.20
Divide	3.2	3.7	3.9	3.8	3.0	3.1	2.5	4.1	3.2	3.39
Pierce	2.9	3.7	3.3	3.9	2.8	2.9	2.3	3.9	3.1	3.20
Alkabo	3.2	3.9	3.7	4.2	3.3	3.3	2.3	4.2	3.2	3.48
Grenora	3.2	3.7	3.6	4.2	3.0	3.1	2.7	4.3	2.9	3.41
Levante	3.5	3.6	3.1	3.9	2.9	3.1	2.6	4.0	3.0	3.30
Alzada	3.6	4.2	3.5	4.3	3.7	3.2	3.0	4.2	3.2	<b>3.66</b>
Strongfield	3.1	3.4	3.5	4.0	3.0	2.9	2.4	4.0	3.0	3.26
Normanno	3.1	3.6	3.5	3.8	3.0	3.2	2.4	4.1	2.9	3.29
MT02525	3.3	4.0	3.4	4.2	3.0	3.3	2.3	4.0	3.3	3.42
MT02DH55	2.8	3.2	3.5	3.6	2.6	2.9	2.2	3.7	2.6	3.01
MT03012	3.0	2.9	3.4	3.5	3.0	3.1	2.3	3.8	2.9	3.10
MT02302	3.1	3.7	3.0	4.2	3.0	3.1	2.4	4.2	2.7	3.27
MT02298	3.4	3.6	3.4	4.1	2.8	3.1	2.5	4.4	3.0	3.37
MT03108	3.4	3.3	3.4	3.8	2.7	3.0	2.3	4.1	2.7	3.19
MT02DH82	3.6	4.2	3.6	4.1	3.0	3.4	2.6	4.3	3.4	3.58
MT04174	3.1	3.5	3.2	3.5	2.8	3.0	2.3	3.5	3.2	3.12
MT01695	3.3	3.9	3.7	4.1	3.2	3.2	2.4	4.3	2.9	3.44
MT04315	3.4	3.7	2.8	3.6	2.8	3.1	2.3	4.2	3.0	3.21
MT04317	3.4	3.8	3.4	3.8	2.5	3.0	2.2	3.8	2.8	3.19
Average	3.23	3.66	3.44	3.92	2.95	3.10	2.42	4.05	2.99	3.30

Table 6. Hard vitreous amber color (percent) of durum lines and varieties in the 2007 statewide durum yield trial.

entry	Williston	Sidney Dry	Sidney Irr	Conrad Irr	Conrad Dry	Havre	Moccasin	Huntley	Bozeman	Average
Mountrail	75.1	69.1	90.4	89.1	81.5	78.8	65.3	28.5	86.6	73.8
Divide	73.0	53.0	89.4	89.6	84.2	81.5	71.6	42.9	90.9	75.1
Pierce	77.7	77.8	86.1	92.0	87.0	89.1	77.3	26.6	88.9	78.0
Alkabo	81.1	75.0	91.1	86.3	88.4	85.8	73.4	21.6	89.1	76.9
Grenora	83.2	77.0	93.2	87.5	86.8	80.6	70.8	41.9	88.8	78.9
Levante	69.4	69.2	71.7	79.0	78.1	75.8	63.4	36.0	79.2	69.1
Alzada	76.1	75.2	79.3	86.9	84.9	77.8	72.4	59.9	88.1	77.9
Strongfield	78.4	69.7	86.6	95.1	88.4	89.2	69.6	51.2	92.5	80.1
Normanno	67.5	68.4	77.7	84.7	66.3	72.6	67.7	46.1	79.7	70.1
MT02525	70.7	68.1	82.2	87.2	80.9	83.1	71.2	41.3	85.0	74.4
MT02DH55	70.1	56.7	87.3	92.4	80.9	80.3	69.9	15.0	81.5	70.5
MT03012	77.5	76.4	87.6	91.3	84.7	84.3	76.3	70.9	91.5	82.3
MT02302	71.8	55.6	79.8	89.6	84.1	77.8	68.1	35.1	88.1	72.2
MT02298	77.2	67.4	82.0	77.6	87.9	87.5	74.7	65.8	90.0	78.9
MT03108	71.0	66.4	80.4	88.6	74.6	77.9	73.1	74.3	86.2	76.9
MT02DH82	72.4	76.7	83.5	86.9	81.3	76.4	67.5	62.9	76.8	76.0
MT04174	83.2	80.7	87.9	95.0	88.5	82.8	82.1	68.1	93.7	<b>84.7</b>
MT01695	73.6	59.4	84.0	85.3	75.3	78.6	74.5	10.4	87.1	69.8
MT04315	77.4	68.6	79.3	85.5	72.1	82.2	69.6	78.6	85.9	77.7
MT04317	73.1	76.6	80.6	84.4	73.6	78.7	68.2	80.4	85.6	77.9
Average	75.0	69.3	84.0	87.6	81.5	81.0	71.3	47.9	86.8	76.1
Probability		<0.001	<0.001							
CV (S/mean)		18.5	4.0							
CV (SE/mean)		10.7	2.3							
LSD 5%		19.8	5.4							

Table 7. Sawfly damage (percent cut) of durum lines and varieties in the 2007 statewide durum yield trial.

entry	Havre
Mountrail	2.33
Divide	2.33
Pierce	3.67
Alkabo	3.67
Grenora	2.33
Levante	0.67
Alzada	1.00
Strongfield	1.67
Normanno	0.00
MT02525	0.33
MT02DH55	3.67
MT03012	1.00
MT02302	0.00
MT02298	0.33
MT03108	0.33
MT02DH82	<b>5.00</b>
MT04174	1.00
MT01695	0.00
MT04315	0.00
MT04317	0.00
Average	1.47
CV (S/mean)	89.1
CV (SE/mean)	51.4
LSD 5%	2.16

Table 8. Leaf-spotting disease (percent of flag leaf spotted) of durum lines and varieties in the 2007 statewide durum yield trial.

entry	Sidney dry
Mountrail	0.0
Divide	0.0
Pierce	0.0
Alkabo	0.0
Grenora	0.0
Levante	0.0
Alzada	0.0
Strongfield	0.0
Normanno	15.0
MT02525	0.0
MT02DH55	0.0
MT03012	5.0
MT02302	0.0
MT02298	0.0
MT03108	0.0
MT02DH82	0.0
MT04174	6.7
MT01695	0.0
MT04315	0.7
MT04317	0.7
ACS54720	1.3
ACS54726	0.0
ACS56735	0.0
ACS56736	0.0
Saragolla	1.7
Average	1.2
Probability	<0.001
CV (S/mean)	191.9
CV (SE/mean)	110.8
LSD 5%	3.9

Table 9. Yield (bu/ac) of durum lines and varieties in the 2007 statewide durum yield trial.

entry	Williston	Sidney Dry	Sidney Irr <sup>1</sup>	Conrad Irr	Conrad Dry	Havre	Moccasin	Huntley	Bozeman	Average
Mountrail	37.1	<b>51.9</b>	<b>55.7</b>	86.6	35.3	36.5	29.8	73.7	44.5	50.1
Divide	35.8	39.7	47.4	78.9	36.2	37.6	33.1	71.2	40.3	46.7
Pierce	32.9	46.5	41.6	89.8	32.1	32.8	26.5	64.2	44.6	45.7
Alkabo	<b>40.4</b>	47.6	45.9	87.8	41.3	35.0	29.0	71.9	46.2	49.5
Grenora	38.1	48.8	54.3	88.4	39.7	37.0	30.1	74.2	43.4	<b>50.4</b>
Levante	29.5	46.3	32.5	82.7	41.4	39.8	28.9	71.1	46.1	46.5
Alzada	34.5	41.6	25.7	83.4	<b>43.5</b>	<b>44.7</b>	<b>35.4</b>	68.7	46.9	47.2
Strongfield	37.0	42.3	43.2	85.6	39.4	37.8	29.7	69.4	42.8	47.5
Normanno	28.2	34.3	33.7	75.0	40.2	41.2	31.7	71.6	41.4	44.1
MT02525	27.2	51.6	37.2	78.2	43.3	40.6	29.3	<b>75.6</b>	47.9	47.9
MT02DH55	32.1	45.3	48.5	85.4	34.9	35.0	28.9	73.4	42.3	47.3
MT03012	33.7	45.7	41.0	74.3	37.8	36.5	27.0	68.2	<b>48.9</b>	45.9
MT02302	27.5	47.4	26.4	81.0	40.8	37.4	28.7	65.8	40.6	43.9
MT02298	32.8	41.2	32.8	87.5	36.1	35.7	26.4	63.5	43.5	44.4
MT03108	28.4	39.8	32.5	78.8	33.3	33.4	28.1	69.5	35.0	42.1
MT02DH82	33.2	46.9	35.0	78.9	38.1	37.6	29.4	70.2	47.7	46.3
MT04174	33.1	48.9	38.5	69.5	40.3	36.8	29.4	65.7	46.5	45.4
MT01695	32.8	50.9	38.6	<b>91.1</b>	42.2	40.2	32.3	73.9	45.0	49.7
MT04315	27.5	38.7	32.3	84.8	33.8	34.5	27.6	71.4	39.3	43.3
MT04317	27.3	38.0	35.1	84.4	34.0	34.8	27.5	69.3	36.1	43.0
Average	32.5	44.7	38.9	82.6	38.2	37.2	29.4	70.1	43.4	46.3
Probability		<0.001	<0.001	0.013	0.011					
CV (S/mean)	4.86	8.8	8.4	7.84	10.4	10.4		6.8		
CV (SE/mean)		5.1	4.8	4.527	6.0	6.0				
LSD 5%	2.6	6.4	5.3	10.7	6.6	6.4		ns		

<sup>1</sup>hail damage occurred on June 17

Table 10. Across sites summary of durum lines and varieties in the 2007 statewide durum yield trial.

entry	Heading*	Height, cm	Test wt, lb/bu	Grain protein, %	hvac	100-seed wt, gm	Yield, bu/ac, all sites	Yield, bu/ac, dryland sites	Yield, bu/ac, irrigated sites
Mountrail	64.9	82.1	59.1	14.42	73.8	3.20	50.1	44.1	71.2
Divide	65.2	84.9	59.6	13.85	75.1	3.39	46.7	42.0	63.1
Pierce	64.9	85.5	60.2	14.36	78.0	3.20	45.7	39.9	65.7
Alkabo	64.1	81.5	60.5	14.08	76.9	3.48	49.5	44.5	66.8
Grenora	64.1	79.0	59.5	14.15	78.9	3.41	<b>50.4</b>	44.5	<b>71.4</b>
Levante	63.3	62.6	59.0	13.63	69.1	3.30	46.5	43.3	57.6
Alzada	62.4	70.7	58.9	13.66	77.9	3.66	47.2	45.0	54.5
Strongfield	65.0	82.6	59.2	14.67	80.1	3.26	47.5	42.6	64.4
Normanno	64.3	64.6	58.7	13.87	70.1	3.29	44.1	41.2	54.4
MT02525	63.1	67.2	60.8	13.60	74.4	3.42	47.9	45.1	57.7
MT02DH55	64.8	76.8	58.2	14.42	70.5	3.01	47.3	41.7	67.0
MT03012	61.7	68.1	59.8	14.27	82.3	3.10	45.9	42.5	57.6
MT02302	65.1	65.0	56.9	14.24	72.2	3.27	43.9	41.2	53.7
MT02298	65.9	67.4	59.6	13.91	78.9	3.37	44.4	39.9	60.2
MT03108	66.0	64.2	56.9	14.40	76.9	3.19	42.1	38.2	55.7
MT02DH82	64.2	83.7	60.1	14.19	76.0	3.58	46.3	43.3	57.0
MT04174	62.0	67.9	59.9	14.29	84.7	3.12	45.4	43.0	54.0
MT01695	63.8	65.6	62.1	12.82	69.8	3.44	49.7	<b>45.3</b>	64.9
MT04315	65.4	64.4	56.9	14.45	77.7	3.21	43.3	39.0	58.6
MT04317	65.7	65.2	57.1	14.62	77.9	3.19	43.0	38.2	59.7
Average	64.3	72.4	59.3	14.09	76.1	3.30	46.3	42.2	60.7

\*days from planting