

## Fruita, Colorado

Calvin Pearson, Western Colorado Research Center, Colorado State University

Planted on 9/7/05 at 4.5 lbs/a in 30 in rows.

Harvested: 7/24/2006

Pesticides: Treflan 1.5pt/a

Insecticides:

Irrigation: Furrow Irrigation

Previous crop:

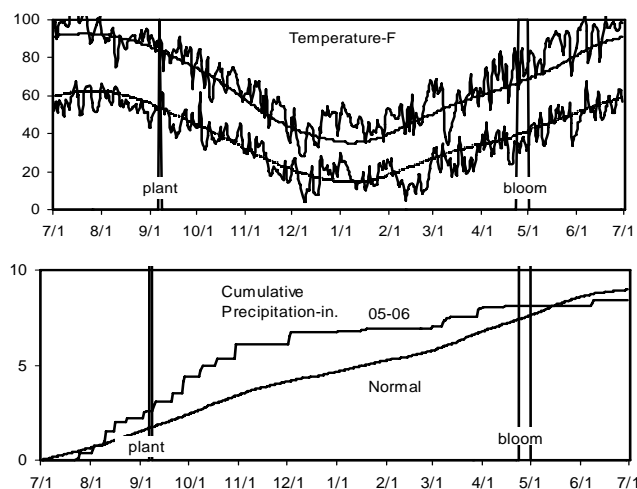
Fertility: 75-0-0 lbs. N-P-K fertilizer in the spring

Soil type: Youngston clay loam

Elevation: 4624 ft

Latitude: 39°10N

Comments:



**Table 16. Results from the 2006 National Winter Canola Variety Trial at Fruita, Colorado**

Line	Yield			Winter Survival			Fall Stand	50% Bloom date	Matur-ity date	Plant Height in.	Lodg-ing %	Shatter-ing %	Test Weight lb/bu	Total Oil %
	2006	*2yr	3yr	2006	2yr	3yr								
DSV 05101	<b>2556</b>	--	--	100	--	--	<b>9.9</b>	4/26	--	51	3.3	0.0	<b>50.4</b>	40.2
Kronos	<b>2521</b>	2688	--	93	97	--	<b>9.8</b>	4/24 e	--	52 t	0.0	5.0	<b>50.2</b>	38.2
DSV 05100	<b>2265</b>	--	--	100	--	--	<b>10.0</b>	4/27	--	51	0.0	0.0	<b>48.7</b>	40.8
KS7436	<b>2241</b>	2164	--	100	100	--	<b>10.0</b>	4/25 e	--	46 s	0.0	0.0	<b>50.8</b>	41.6
ARC97018	<b>2164</b>	--	--	100	--	--	<b>10.0</b>	4/25 e	--	48	0.0	<b>3.3</b>	<b>49.3</b>	39.1
Abilene	<b>2117</b>	2158	--	100	100	--	<b>9.9</b>	4/26	--	49	0.0	<b>3.3</b>	<b>50.3</b>	39.5
KS2185	<b>2102</b>	2173	--	100	100	--	<b>9.9</b>	4/24 e	--	44 s	0.0	0.0	<b>49.3</b>	41.1
KS3254	<b>2095</b>	--	--	100	--	--	<b>10.0</b>	4/27	--	53 t	0.0	<b>3.3</b>	<b>51.0</b>	40.0
Baldur	2033	2530	--	100	100	--	<b>10.0</b>	4/24 e	--	50	0.0	5.0	<b>49.4</b>	40.2
DSV 05103	1992	--	--	100	--	--	<b>9.8</b>	4/26	--	51	6.7	0.0	<b>49.6</b>	39.7
DSV 05102	1925	--	--	100	--	--	<b>9.9</b>	4/26	--	50	<b>3.3</b>	0.0	<b>48.8</b>	41.0
Rasmus	1912	2451	--	100	100	--	<b>9.8</b>	4/24 e	--	47	0.0	5.0	46.2	39.8
KS3350	1910	--	--	100	--	--	<b>9.9</b>	4/25 e	--	49	0.0	<b>1.7</b>	<b>49.2</b>	40.0
KS3074	1887	--	--	100	--	--	<b>9.9</b>	4/26	--	51	0.0	<b>1.7</b>	<b>49.7</b>	40.1
Wichita	1828	1995	--	100	100	--	<b>9.9</b>	4/25 e	--	46 s	6.7	<b>1.7</b>	<b>48.0</b>	40.0
ARC2180-1	1809	2015	--	92	96	--	<b>10.0</b>	4/27	--	52 t	0.0	6.7	<b>48.4</b>	40.1
Casino	1788	1862	--	100	100	--	<b>9.7</b>	4/25 e	--	50	0.0	8.3	<b>49.9</b>	39.1
VSX-2	1785	1978	--	100	100	--	<b>9.9</b>	4/25 e	--	46 s	0.0	5.0	<b>49.1</b>	40.1
KS9135	1753	1929	--	100	100	--	<b>10.0</b>	4/25 e	--	50	0.0	0.0	47.0	39.2
ARC98007	1727	--	--	100	--	--	<b>10.0</b>	4/26	--	52 t	0.0	<b>3.3</b>	<b>48.1</b>	39.6
KS3068	1712	--	--	100	--	--	<b>10.0</b>	4/25 e	--	49	0.0	<b>3.3</b>	47.1	39.4
KS3018	1704	1855	--	100	100	--	<b>10.0</b>	4/25 e	--	50	6.7	<b>1.7</b>	<b>48.1</b>	33.9
ARC97019	1686	--	--	100	--	--	<b>10.0</b>	4/25 e	--	46 s	0.0	0.0	45.9	38.1
Sumner	1684	2026	--	100	100	--	<b>9.8</b>	4/24 e	--	47	0.0	<b>3.3</b>	47.8	39.6
TCI Exp 983	1635	--	--	100	--	--	<b>9.9</b>	4/27	--	49	0.0	5.0	<b>49.3</b>	41.6
DSV 05104	1628	--	--	100	--	--	<b>9.9</b>	4/26	--	50	0.0	0.0	47.6	39.7
ARC98015	1613	--	--	100	--	--	<b>10.0</b>	4/27	--	55 t	0.0	<b>3.3</b>	47.3	40.3
KS9124	1575	1716	--	100	100	--	<b>9.8</b>	4/26	--	49	0.0	<b>1.7</b>	46.9	38.7
Virginia	1564	2111	--	100	100	--	<b>10.0</b>	4/26	--	46 s	0.0	8.3	<b>48.1</b>	39.1
KS2064	1553	1661	--	100	99	--	<b>9.8</b>	4/25 e	--	51	0.0	6.7	47.5	37.1
KS3067	1510	--	--	100	--	--	<b>9.9</b>	4/25 e	--	50	11.7	5.0	<b>48.3</b>	39.7
Ceres	1478	2032	--	100	100	--	6.8	4/25 e	--	46 s	0.0	10.0	<b>50.6</b>	40.3
DKW13-86	1437	--	--	97	--	--	<b>9.9</b>	4/26	--	46 s	0.0	<b>3.3</b>	<b>49.4</b>	38.6
Jetton	1426	2130	--	100	100	--	<b>10.0</b>	4/26	--	46 s	0.0	5.0	<b>49.1</b>	40.1
Plainsman	1033	1315	--	100	100	--	<b>10.0</b>	4/30 l	--	51	0.0	8.3	<b>46.8</b>	37.1
DKW13-62	781	--	--	100	--	--	<b>10.0</b>	4/27	--	51	0.0	15.0	46.2	39.9
Mean	1790	2057	--	100	100	--	9.8	4/26	--	49	1.1	3.7	48.6	39.5
CV (%)	18	--	--	3	--	--	1.8	1	--	4	325	81.1	3.9	4.0
LSD (0.05)	514	--	--	NS	--	--	0.3	2	--	3	5.6	4.9	3.1	NS

**Bold** - Superior LSD group - Differences among values in bold are not statistically significant at the 0.05 level. e - not statistically different from earliest, l - not different from latest; s - not different from shortest, t - not different from tallest. \*2yr means include data from 2005 and 2006.

## Rocky Ford, Colorado

Abdel Berrada, Arkansas Valley Research Center, Colorado State University

Planted on 8/31/05 at 6.4 lbs/a on 30-in beds

Harvested: 6/28/2006 through mid July

Pesticides: Roundup 1 lb/a & Treflan 1.5 pt/a on 8/29/05  
Select 2EC 4.5 oz/a on 9/29/05

Insecticides: Capture 2EC 2.5 oz/a to control flea beetles

Irrigation: 3 inches in fall and 5 inches in spring

Fertility: 50-0-0 lbs. N-P-K fertilizer in the fall and spring

Previous crop:

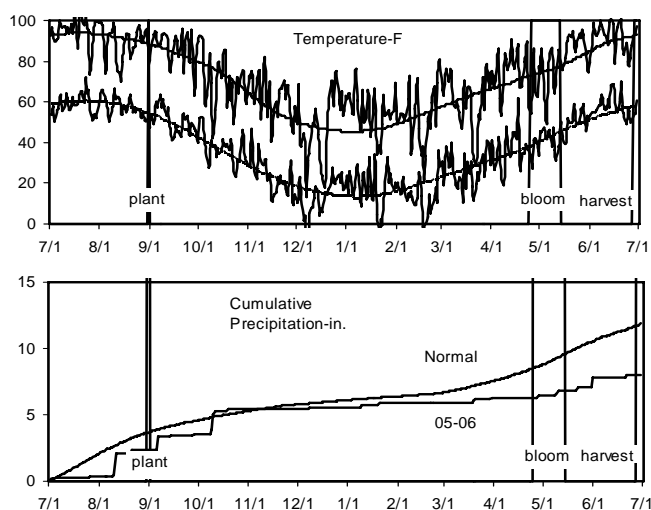
Soil type: Rocky Ford silty clay loam

Elevation: 4180 ft

Latitude: 38°3N

Comments:

Stands and fall growth were excellent. Some weed pressures may have reduced yield potential.



**Table 17. Results from the 2006 National Winter Canola Variety Trial at Rocky Ford, Colorado**

Line	Yield			Winter Survival			Fall Stand	50% Bloom date	Matur-ity date	Plant Height in.	Lodg-ing %	Shatter-ing %	Test Weight lb/bu	Total Oil %
	2006	*2yr	3yr	2006	2yr	3yr								
	lb/ac			%			0-10							
DKW13-86	<b>3171</b>	--	--	56	--	--	<b>4.3</b>	4/29	--	34	--	6.6	--	36.2
KS2064	2580	--	--	<b>80</b>	--	--	<b>9.5</b>	4/24	--	35	--	4.5	--	<b>38.0</b>
Ceres	2481	--	--	<b>89</b>	--	--	2.2	4/24	--	36	--	17.1	--	<b>38.1</b>
KS3067	2438	--	--	<b>81</b>	--	--	<b>9.2</b>	4/26	--	34	--	2.6	--	<b>37.7</b>
DSV 05103	2410	--	--	<b>77</b>	--	--	<b>6.8</b>	4/25	--	37	--	2.3	--	<b>38.7</b>
ARC97019	2200	--	--	53	--	--	<b>9.3</b>	5/12	--	37	--	12.8	--	36.3
KS3068	2188	--	--	<b>77</b>	--	--	<b>9.3</b>	4/25	--	33	--	3.1	--	<b>37.8</b>
Kronos	2153	--	--	<b>80</b>	--	--	<b>5.8</b>	4/24	--	36	--	16.1	--	35.8
Sumner	2141	--	--	71	--	--	<b>8.3</b>	4/25	--	34	--	3.5	--	36.3
KS7436	2058	--	--	67	--	--	<b>8.3</b>	4/26	--	33	--	8.3	--	<b>37.0</b>
DSV 05100	2016	--	--	58	--	--	<b>9.5</b>	5/11	--	35	--	3.6	--	<b>38.2</b>
DSV 05104	1948	--	--	65	--	--	<b>8.0</b>	--	--	35	--	4.9	--	36.1
KS9135	1947	--	--	<b>80</b>	--	--	<b>9.3</b>	4/25	--	36	--	14.3	--	<b>37.1</b>
ARC98007	1945	--	--	56	--	--	<b>10.0</b>	5/11	--	35	--	13.4	--	<b>38.5</b>
KS3254	1897	--	--	<b>76</b>	--	--	<b>9.5</b>	5/12	--	30	--	7.4	--	<b>38.8</b>
Plainsman	1861	--	--	<b>86</b>	--	--	<b>8.2</b>	4/25	--	35	--	2.1	--	<b>38.3</b>
Abilene	1852	--	--	<b>77</b>	--	--	<b>9.0</b>	5/2	--	33	--	8.6	--	<b>38.3</b>
Wichita	1838	--	--	60	--	--	<b>9.5</b>	5/3	--	33	--	2.3	--	<b>37.9</b>
KS3350	1665	--	--	69	--	--	<b>10.0</b>	4/26	--	36	--	5.0	--	31.7
KS3074	1644	--	--	<b>78</b>	--	--	<b>8.8</b>	4/26	--	32	--	2.0	--	<b>38.5</b>
ARC98015	1541	--	--	73	--	--	<b>9.5</b>	5/12	--	34	--	21.5	--	<b>39.3</b>
KS9124	1530	--	--	<b>85</b>	--	--	<b>8.7</b>	4/26	--	35	--	5.8	--	<b>38.0</b>
Baldur	1445	--	--	<b>74</b>	--	--	<b>7.5</b>	4/24	--	33	--	4.5	--	<b>40.9</b>
DSV 05102	1265	--	--	65	--	--	<b>8.3</b>	5/9	--	36	--	4.3	--	<b>39.1</b>
DKW13-62	1261	--	--	60	--	--	<b>8.8</b>	5/13	--	33	--	--	--	<b>37.3</b>
KS2185	1251	--	--	68	--	--	<b>9.2</b>	4/25	--	32	--	3.3	--	29.4
Jetton	1226	--	--	57	--	--	<b>9.2</b>	5/12	--	35	--	7.4	--	<b>37.4</b>
Rasmus	1167	--	--	67	--	--	<b>8.7</b>	5/1	--	32	--	2.8	--	<b>37.0</b>
KS3018	1125	--	--	<b>82</b>	--	--	<b>9.5</b>	4/24	--	29	--	6.0	--	33.8
DSV 05101	1111	--	--	58	--	--	<b>8.3</b>	5/11	--	31	--	2.4	--	35.7
Virginia	839	--	--	46	--	--	<b>9.0</b>	--	--	29	--	7.0	--	<b>38.3</b>
Casino	807	--	--	<b>75</b>	--	--	<b>9.3</b>	5/2	--	34	--	10.0	--	<b>38.6</b>
VSX-2	752	--	--	66	--	--	<b>9.0</b>	--	--	28	--	4.5	--	<b>38.6</b>
ARC2180-1	--	--	--	25	--	--	<b>10.0</b>	5/16	--	38	--	9.8	--	--
ARC97018	--	--	--	31	--	--	<b>9.5</b>	--	--	34	--	12.5	--	--
TCI Exp 983	--	--	--	23	--	--	<b>9.5</b>	--	--	36	--	--	--	--
Mean	1750	--	--	66	--	--	8.6	--	--	34	--	--	--	37.2
CV (%)	35	--	--	17	--	--	8.2	--	--	10	--	--	--	5.5
LSD (0.07)	1036	--	--	15	--	--	5.9	--	--	NS	--	--	--	4.2

**Bold** - Superior LSD group - Differences among values in bold are not statistically significant at the 0.05 level. e - not statistically different from earliest, l - not different from latest; s - not different from shortest, t - not different from tallest.