

2011-2012 Dryland National Winter Canola at Yellow Jacket, CO¹

Entry	Seed yield ² lb/acre	Seed moisture %	Test weight lb/bu	Plant height in.	Fall stand 0-10	Winter survival %	50% Bloom ³ date	Seed Maturity ^{3&4} %	Seed shattering ⁵ %
HPX-7228	1311	6.1	52.6	40	8	97	126	178	1
MH 09H19	1239	5.9	51.8	39	9	100	128	179	1
Hybrirock	1135	6.1	52.3	39	10	96	128	179	1
TCI805	1124	6.1	51.2	36	9	100	128	177	1
Riley	1116	5.9	51.5	34	9	100	128	178	1
Baldur	1103	6.2	53.2	38	9	99	128	179	1
MH 07J14	1086	6.1	51.6	37	9	100	128	180	1
Rossini	1075	5.8	51.3	34	9	99	123	178	0
06.UIWC.1	1065	5.9	52.5	35	9	100	126	178	0
Safran	1055	5.9	51.0	36	9	96	128	171	0
Sitro	1052	6.1	51.5	36	9	97	128	178	0
TCI806	1021	5.8	51.1	37	9	97	128	178	1
Chrome	1009	5.9	51.6	34	8	99	128	178	1
WRH 350	992	5.9	51.1	36	9	96	128	180	1
Visby	943	5.9	51.8	39	7	92	128	179	1
Flash	943	6.0	52.0	42	9	98	129	172	1
Wichita	940	6.0	51.5	37	8	98	128	178	1
MH 06E10	927	6.1	52.7	38	8	99	129	178	1
05.UI.5.6.33	912	5.8	50.1	37	9	96	128	180	0
DKW41-10	911	6.0	52.2	31	9	99	125	178	0
Dynastie	903	5.8	50.9	40	7	82	128	162	0
DKW44-10	903	6.2	52.5	34	9	100	128	179	1
HPX-7341	880	6.1	51.8	36	9	99	128	178	1
Ulura	879	6.0	53.2	41	8	97	128	179	2
Hornet	876	5.8	52.2	38	7	96	128	180	0
Amanda	858	6.0	52.3	33	9	100	129	180	0

Entry	Seed yield ² lb/acre	Seed moisture %	Test weight lb/bu	Plant height in.	Fall stand 0-10	Winter survival %	50% Bloom ³ date	Seed Maturity ^{3&4} %	Seed shattering ⁵ %
HyClass125W	857	5.9	50.8	34	9	100	128	180	1
Durola	802	6.1	50.7	37	10	98	128	178	1
HyClass115W	801	6.1	52.0	35	9	97	128	178	1
DKW46-15	798	5.9	51.3	37	8	90	128	179	1
46W94	797	6.0	52.7	37	8	97	128	178	1
DKW47-15	780	6.1	51.5	34	9	99	128	178	1
HyClass154W	777	6.2	51.3	35	8	99	128	180	1
Rumba	777	5.9	52.7	37	6	97	128	180	1
46W99	772	6.0	51.9	35	6	90	128	178	1
Claremore	607	6.0	50.7	36	9	100	128	180	0
Average	945	6	52	37	9	97	128	178	1
CV (%)	13	3.8	1.8	6	9	5	1	2	73
LSD_{.05}	199	NS	1.5	4	1	8	1	7	1

¹This trial was conducted at CSU's Southwestern Colorado Research Center in RCBD with three replications. Plot size: 6 ft x 30 ft

²Seed yield adjusted to 9% moisture

³Number of days from January 1, 2012

⁴Date at which 90% of the plants have reached a mature color

⁵Shattering was mostly due to bird feeding

Trial information:

Previous crop: Summer fallow

Planted: 9/2/2011 @ 5.3 lb/acre

Harvested: 7/10/2012

Pesticide: None. Hoeing as needed to control weeds

Fertilizer application: None

Irrigation application: None

Precipitation amount (from rain & snow) from September 2011 through June 2012: 7.8 in. (61% of 30-yr average)

The seedbed at planting was fairly dry. The first significant rainfall (0.33 in.) after planting occurred on 13-Sept. The fall stand averaged 9.0 on a scale of 0 (no stand) to 10 (excellent stand) but some plots had ratings of 6 and 7. The plot area was weed-free at planting but became infested with weeds, mostly shepherdspurse and prickly lettuce in late winter-early spring, which required hand hoeing since no pre-plant herbicide was applied. Precipitation from rain and snow from planting through harvest maturity was 61% of normal. Only October and February had normal precipitation. Total precipitation from March through June was 0.7 in. or 19% of normal, which negatively impacted seed yield. Average seed yield was 945 lb/acre with a low of 607 and a high of 1311 lb/acre. No irrigation water was applied prior to seeding or throughout the growing season. There was very little pod shattering, which was mostly due to bird feeding, and no lodging.