

YEAR/PROJECT: 1990-91/758 INTRASTATE WINTER RAPESEED VARIETY
TRIAL - DRYLAND

PERSONNEL: Leader - Leon Welty
Research Specialist - Louise Prestbye
In cooperation with Dr. Jim Sims, MSU

Nine varieties of Brassica were seeded 8/29/90 on fallow ground at 10 lbs/a. Plants emerged between Sept. 2 and 4, 1990. Spring stands varied from 24%-91%. Plants started bolting in early May and bloomed between 18 and 23 May. At maturity (23-25 July) the plants were between 46 and 58 inches tall. Mean yield was 3674 lbs/a. The highest yielding cultivar produced 4129 lbs/a, and the lowest produced 2866 lbs/a. Crop year precipitation, mean temperature and frost-free period were average for this location.

CULTIVAR	EMERG Sept	STAND 4/8/91 %	BOLT May	FIRST BLOOM May	HT in	MATUR July	YIELD lbs/a
12	2	24	8	21	49	25	2866
13	3	84	5	20	48	24	3815
14	3	91	3	18	47	23	4104
15	3	65	3	18	46	23	3077
16	2	80	3	19	47	24	3912
17	4	66	6	23	58	25	4129
18	3	79	7	22	58	25	3520
19	3	70	9	22	56	24	3793
20	2	56	5	20	53	25	3850
Mean	3	68	5	20	51	24	3674
LSD (0.05)	1	19	3	1	5	1	531
P-VALUE	0.00	0.00	0.00	0.00	0.00	0.04	0.00
CV(s/m)	19.3	19.5	32.9	4.4	7.1	4.2	9.9

Seeding date: 8/29/90 on fallow (no N added)
Seeding rate: 10 lbs/a

YEAR/PROJECT: 1990-91/758 WINTER RAPESEED (CANOLA) VARIETY
TRIAL - DRYLAND

PERSONNEL: Leader - Leon Welty
Research Specialist - Louise Prestbye

Thirty-one varieties of Brassica napus were seeded 8/29/90 on fallow ground at 6.4 lbs/a. Plants emerged between Sept. 2 and 5, 1990. Spring stands varied from 13%-95%. Plants started bolting in early May and bloomed between 18 and 23 May. At maturity (22-26 July) the plants were between 42 and 62 inches tall. The highest yielding varieties 'HN 009' (5226 lbs/a), 'Husky', 'Onyx', '2-9003', 'HN 021', 'Arabella' and 'EN 9019' produced over 4600 lbs/a. The lowest yielding variety was 'HN 018' with only 1579 lbs/a. Crop year precipitation, mean temperature and frost-free period were average for this location.

NATIONAL WINTER RAPESEED VARIETY TRIAL - 1990-91

KALISPELL, MT

VARIETY	EMERGENCE Sept	4/8/91 STAND %	BOLTING May	BLOOM May	HEIGHT inches	MATURITY July	YIELD lbs/a
HN 009	3	76	6	21	52	24	5226
Husky	5	95	5	18	49	23	5048
Onyx	3	83	8	23	56	25	5032
2-9003	5	91	4	21	50	24	4931
HN 021	2	53	5	21	53	25	4776
Arabella	3	83	4	20	56	24	4676
EN 9019	3	60	5	21	53	23	4667
EN 9017	3	84	3	20	52	25	4535
Capricorn	3	84	5	19	51	23	4471
SV0506	3	90	5	21	53	24	4470
Touchdown	3	85	8	22	57	24	4366
Glacier	4	76	7	22	59	25	4270
LEI-III	4	84	3	19	51	23	4238
Cascade	3	85	4	18	49	22	4228
HN 019	3	13	6	22	52	26	4189
KWC 2423	2	63	4	22	53	24	4169
Bridger	4	90	3	19	47	24	4149
Corvette	3	81	5	20	54	24	4119
AWR 238	2	85	7	20	62	25	4084
SV0255	3	66	6	22	54	25	4061
HN 013	3	21	4	21	48	24	4034
Ceres	3	39	5	22	54	25	4027
ES 8917	3	65	5	20	52	24	3962
Humus	3	81	3	18	47	23	3805
ES 8918	3	61	5	23	55	26	3616
EN 9016	3	33	6	23	55	26	3587
Aspen	3	81	4	18	45	22	3517
Tapidor	5	89	3	19	47	22	3449
Winfield	2	49	4	19	53	25	3252
Cathy	3	76	4	18	44	23	3195
HN 018	4	13	4	19	42	26	1579
Means	3	69	5	20	52	24	4120
LSD(0.05)	1	20	2	1	4	1	584
P-VALUE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CV(s/mean)	15.3	21.0	24.9	4.8	5.7	3.2	10.1

Seeding date: 8/29/90

Seeding rate: 6.4 lbs/a

Seeded on fallow - no fertilizer added

Pesticide: Treflan, 1-lb AI/a PPI