

2019 Montana State University Spring Canola Variety Trial summarized results from the Eastern Agricultural Research Center, Sidney, MT (irrigated).

CULTIVAR	SOURCE	HERB RESIST	COUNT (sqft)	FLWR DATE (julian)	CNPY HT (in)	LDGE (1-9)	SHTTR (1-9)	YIELD ¹ (lb/ac)	TEST WT (lb/bu)	OIL (%)
5545CL	Brett Young	CL	14.5	196	19	1	1	1028.8	54	46
16MH6001	Cargill Inc	CL	12	194	17	1	1	1165.5	54.1	45
16MH6004	Cargill Inc	CL	9.8	193	18.8	1	1	1434.8	53.3	44.5
16CH4181	Cargill Inc	Conventional	12	193	24.8	1	1	1293.5	52.2	44
NCC101S	PHOTOSYNTECH, LLC.	Conventional	16	193	17.2	1	1	360.2	48.5	35.4
InVigor L233P	BASF Corporation	LL	12.2	194	17.5	1	1	998	52.4	42.4
InVigor L234P	BASF Corporation	LL	15	196	15.2	1	1	908.5	52.4	42
InVigor L255P	BASF Corporation	LL	14	195	15.5	1	1	873.2	54.5	44.6
4187RR	Brett Young	RR	14.5	193	19.8	1	1	1550.8	53.7	46.6
6090RR	Brett Young	RR	11.6	195.7	16	1	1	698	53	43.5
CP930RR	Winfield United	RR	12.5	193.2	24.2	1	1	1414.2	53.9	46.7
CP955RR	Winfield United	RR	13.2	193	26.8	1	1	1392.2	54.1	46.2
DKTF91SC	Dekalb/Bayer	TruFlex RR	12.5	194	18.8	1	1	911.2	52.7	42.4
DKTF92SC	Dekalb/Bayer	TruFlex RR	10.2	193	16	1	1	598	50.7	41
Mean			12.8	194	19.1	1	1	1051.1	53	43.6
CV%			21.9	0.7	13.8			25.6	1.7	2.9
LSD ²			NS	-	4.1			NS	-	1.9
P-Value			0.1490	-	<0.001			<0.001	-	<0.001

Bold = top-performing cultivar

Bold = statistically equivalent to top-performer

Yield adjusted to 8.5% moisture

¹Severe early season flea beetle damage likely reduced yield and increased variability among cultivars

²Fisher's protected LSD not significant when CV% > 15 (YIELD only) and/or P-Value > 0.05