



SUNFLOWER HYBRID PERFORMANCE TRIALS

Rosendale 2024

Oil Sunflower markets – include birdfood, oil crush and de-hull. Variety selection becomes more important when trying to capture de-hull markets. Choose varieties with better de-hull ratio, larger size and higher test weight. Environment will contribute greatly to final product. Plant population and environment will contribute greatly to the final product. Percent (%) oil content was unavailable at press time, visit www.mbcropalliance.ca for more details.

OILS				ROSSENDALE 2024					
Hybrid	Herbicide/ Disease Tolerance	Oil Type	Company	Yield (lb/ac)	Moisture (%)	Maturity ¹ (days to R9)	Height (inches)	Test Wt ² (lb/bu)	Oil (%)
CP432E	ExSun	NS	Winfield United / CROPLAN	2461	10.1	--	68	31.2	41.4
CP455E	ExSun	HO	Winfield United / CROPLAN	2222	11.0	--	73	29.8	40.5
P63ME80	ExSun/DM	NS	Pioneer Hi-Bred	1997	10.9	--	69	30.6	44.4
P63HE501	ExSun	HO	Pioneer Hi-Bred	2365	10.8	--	72	31.6	43.6
N4HM354	CL/DM	NS	Nuseed	2460	11.5	--	66	32.0	47.7
N4H161 CL	CL/DM	HO	Nuseed	1363	11.8	--	48	31.0	39.3
Experimental lines being tested/proposed for registration in Canada									
N4H134 E	ExSun/DM	HO	Nuseed	1592	9.3	--	48	32.6	39.7
N4H337 E	ExSun/DM	HO	Nuseed	2227	11.5	--	73	29.9	45.7
Badger DMR	CL/DM	Conoil	Nuseed	1887	8.8	--	65	30.0	38.5
AC2101	CL Plus	HO	RAGT Semences	1441	10.9	--	73	27.3	39.4
N4H205 E	ExSun/DM	HO	Nuseed	1760	12.1	--	64	29.0	46.1
P63HE920	ExSun	HO	Pioneer Hi-Bred	2187	14.7	--	71	33.0	42.9
Site Average				1997	11.1	--	66	30.7	
CV%				9.8	9.2	--	5	4.1	
Sign Diff				Yes	Yes	--	Yes	Yes	
LSD (0.05)				333	1.7	--	6	2.1	
Planting Date				May 31, 2024					
Desiccation Date									
Harvest Date				October 19, 2024					

¹ Physiological maturity for sunflowers is R9, where the bracts on the head are almost completely brown.
² Test weights are reported in lbs per Avery (Canadian) bushel.
Refer to the MCA website at www.mbcropalliance.ca for more details.

All sunflowers varieties listed are susceptible to sclerotinia and sunflower rust strains present in Manitoba. Genetic resistance to verticillium wilt is rated as moderately susceptible to moderately resistant for all sunflower varieties presented. Plant population and environment will contribute greatly to the final product.

NON-OILS				ROSSENDALE 2024						
Hybrid	Genetic Trait	Company	Yield (lb/ac)	Moisture (%)	Maturity ¹	Height	2023 Seeding Sizing (%) ²			Test Wgt ³ (lb/bu A)
							>22/64	>20/64	<20/64	
6946 DMR	DMR	Nuseed	1485	10	--	69	21	45	27	22.4
MCA 359239	ExSun	MCA	2343	10.3	--	70	91	6	3	22.5
MCA 359306	ExSun	MCA	2122	10.3	--	65	87	8	5	21.7
Experimental lines being tested/proposed for registration in Canada										
NJKM65823	CL/DM	Nuseed	1779	9.7	--	65	62	26	12	23.6
N6L377 CL	CL/DM	Nuseed	1994	11.0	--	63	76	17	8	21.1
Site Average			1945	10.3	--	66	--	--	--	22.3
CV %			11.40	9.37	--	2.40	--	--	--	4.18
Sign Diff			Yes	No	--	Yes	--	--	--	No
LSD (0.05)			418	--	--	3	--	--	--	--
Planting Date				May 29, 2024						
Desiccation Date				---						
Harvest Date				October 16, 2024						

¹ Physiological maturity for sunflowers is R9, where the bracts on the head are almost completely brown.
² Totals may not add to 100% due to rounding.
³ Test weights are reported in lbs per Avery (Canadian) bushel.
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