



SUNFLOWER HYBRID PERFORMANCE TRIALS

Carberry 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				CARBERRY 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	1390	18.2	143	61	27.0	36.6
CP455E	ExSun	HO	Winfield United / CROPLAN	1350	17.4	141	60	27.3	38.6
P63ME80	ExSun/DM	NS	Pioneer Hi-Bred	1269	17.7	145	59	28.9	40.5
P63HE501	ExSun	HO	Pioneer Hi-Bred	1213	19.1	142	59	29.3	38.5
N4HM354	CL/DM	NS	Nuseed	1279	19.4	144	58	28.3	40
N4H161 CL	CL/DM	HO	Nuseed	1274	18.4	144	58	27.4	37.2
Experimental lines being tested/proposed for registration in Canada									
N4H134 E	ExSun/DM	HO	Nuseed	1181	17.3	140	60	28.8	40.1
N4H337 E	ExSun/DM	HO	Nuseed	1084	18.1	145	59	27.8	46.5
Badger DMR	CL/DM	Conoil	Nuseed	1301	18.5	144	59	28.1	37.8
AC2101	CL Plus	HO	RAGT Semences	1299	17.9	147	62	28.1	36.5
N4H205 E	ExSun/DM	HO	Nuseed	1478	17.3	142	58	27.6	44.4
P63HE920	ExSun	HO	Pioneer Hi-Bred	1322	18.4	145	59	27.7	41.5
Site Average				1287	18.1	144	59	28.0	--
CV%				11.65	7.39	2.59	5.58	7.43	--
Sign Diff				No	No	No	No	No	--
LSD (0.05)				--	--	--	--	--	--
Planting Date				May 10, 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 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				CARBERRY 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	1587	18.8	136	50	18	38	23	23.5
MCA 359239	ExSun	MCA	1686	18.6	139	45	85	12	3	23.1
MCA 359306	ExSun	MCA	1715	18.2	143	45	82	15	3	24.3
Experimental lines being tested/proposed for registration in Canada										
NJKM65823	CL/DM	Nuseed	1576	18.3	134	47	56.5	28.5	15.1	25.3
N6L377 CL	CL/DM	Nuseed	1458	17.4	143	46	66.4	23.3	10.3	25.4
Site Average			1604	18.3	139	47	--	--	--	24.3
CV %			8.23	4.67	0.92	8.14	--	--	--	6.4
Sign Diff			No	No	Yes	No	--	--	--	No
LSD (0.05)			--	--	2	--	--	--	--	--
Planting Date				May 10, 2024						
Desiccation Date				----						
Harvest Date				October 10, 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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