

Safflower Variety Descriptions

Variety	Origin ¹	PVP ⁶	Hull Type ²	Oil Type ³	Irrigated Yield ⁴	Dryland Yield ⁴	TWT ⁴	Oil ³	Maturity	Tolerance ⁵	
										Alt.	BB
Cardinal	MT/ND	yes	N	high lino	v good	v good	high	fair	med	T	MT
Centennial	MT/ND	yes	STP	linoleic	m good	good	med	v good	m late	MT	MT
Finch	MT/ND	no	N	linoeic	good	v good	v high	fair	m early	MS	T
MonDak	MT/ND	yes	N	high oleic	good	v good	high	fair	m early	T	MT
Morlin	MT/ND	yes	STP	high linoleic	v good	good	med	good	m late	T	T
Nutrasaff	MT/ND	yes	RED	linoeic	good	good	med	high	med	T	MT
S-541	ST	no	STP	linoeic	fair	v good	m high	v good	m late	MS	MS
Montola 2000	MT/ND	yes	N	high oleic	m good	good	med	good	early	MS	MS
Montola 2001	MT/ND	yes	STP	high oleic	good	fair	med	good	med	MT	MT
Montola 2003	MT/ND	yes	N	high oleic	v good	v good	m high	good	m early	MT	MT
Montola 2004	MT/ND	yes	N	high oleic	good	good	m high	good	m early	MS	MT

¹ ST = SeedTec International, MT = Montana, ND = North Dakota

² STP = striped, N = normal, RED = reduced

³ Lino - linoleic

⁴ Relative ratings of yield, test weight, and oil will vary under conditions of moderate-severe disease infestation

⁵ Alt = Alternaria leaf spot disease, BB = bacterial blight, S = susceptible, MS = moderately susceptible, MT = moderately tolerant, T = tolerant

⁶ "yes" indicates the variety is protected and the seed may be sold for planting purposes only as a class of certified seed (Title V option)

Safflower - 2013

Hettinger, ND

Variety	Days to Flower	Plant Height	Test Weight	-----Grain Yield-----			Average Yield	
				2011	2012	2013	2-Yr	3-Yr
	DAP*	inches	lbs/bu	----- lbs per acre -----				
Cardinal	93	37	36.1	1607	2381	2394	2388	2127
Finch	90	34	37.8	1785	2073	2272	2173	2043
MonDak	92	32	35.2	2078	2358	2303	2331	2246
Montola 2003	92	30	34.6	2057	2060	2186	2123	2101
Morlin	92	30	33.9	--	--	1776	--	--
Nutrasaff	91	34	34.6	938	1366	2124	1745	1476
Hybrid 9049	89	32	36.1	2100	2601	2978	2790	2560
Hybrid 1601	90	33	33.0	1791	2993	2182	2588	2322
Trial Mean	91	32	35.2	1777	2272	2277	2305	2125
C.V. %	0.9	4.6	2.8	8.0	10.6	8.8	--	--
LSD 10%	2.0	1	1.2	140	320	244	--	--

* Days after planting.

Planting Date: April 26

Harvest Date: September 11

Seeding Rate: 300,000 live seeds / acre.

Previous Crop: No-till Green Fallow Spring Wheat