

Red Clover Variety Yield Trial -----including selected varieties

2019-20-21 Test Results

Prairie du Sac, Wisconsin

Trial Seeding rate @ 16.7 lbs/ac - no adjustment for germination)

Trial is 4 replicates (RCB designs) with plots (3' x 20' in size [5 drill-seeded rows 6" apart])

Soil type - Richwood Silt Loam (Fine-silty, mixed, superactive, mesic Typic Argiudolls)

Climate classification Köppen-Geiger Dfa

USDA Winterhardiness zone 5a (average extreme low winter temp. -28.9°C to -26.1°C)

Prairie du Sac, Wisconsin seeded in 2019	Forage Yield				Remaining stand		Flowering		Yield % of Marathon
	2019 (T/A DM) 2 cuts	2020 (T/A DM) 4 cuts	2021 (T/A DM) 4 cuts	3-yr Total (T/A DM)	%Stand 10/10/20	%Stand 10/6/21	%Flower 7/9/21	%Flower 8/10/21	
	1.66	3.43	3.55	8.64	84	69	7	63	113.9
Freedom!MR (Check)	1.60	3.43	3.44	8.47	74	60	12	51	111.6
DFRC15*	1.59	3.58	3.21	8.38	79	53	8	53	110.4
Annabelle	1.78	3.36	3.19	8.33	78	55	4	60	109.7
Ruby Red	1.66	3.56	3.08	8.29	91	58	7	53	109.3
DFRC11*	1.62	3.47	3.13	8.22	64	45	7	48	108.4
DFRC12*	1.71	3.28	3.19	8.18	80	55	8	50	107.8
Blaze	1.74	3.22	2.98	7.94	86	70	8	48	104.6
DFRC16*	1.52	3.13	3.13	7.78	66	43	6	40	102.5
DFRC18*	1.60	3.06	3.05	7.71	70	59	11	63	101.6
Starfire II (Check)	1.43	3.07	3.15	7.65	85	55	19	50	100.8
Marathon (Check)	1.65	2.91	3.03	7.59	60	53	12	60	100.0
DFRC14*	1.42	90.00	3.05	7.52	84	63	4	50	99.1
Cardinal II	1.49	3.09	2.93	7.50	81	61	13	55	98.9
Mean	1.58	3.17	3.02	7.78	74	52	9	53	
LSD (0.05)	0.37	0.50	0.78	1.33	31	38	11	16	
CV%	16.4	11.1	18.4	12.1	30.1	51.3	91.3	21.5	

* Experimental Varieties

**Forage yields in bold font within each column are not significantly different from one another.

Red Clover Variety Yield Trial-----

-----including selected varieties

2019-20-21 Test Results Stratford, Wisconsin

Trial Seeding rate @ 16.7 lbs/ac - no adjustment for germination)

Trial is 4 replicatse (RCB designs) with plots (3' x 20' in size [5 drill-seeded rows 6" apart])

Soil type - Whithee Silt Loam (Fine-loamy, mixed, superactive, frigid Aquic Glossudalfs)

Climate classification Köppen-Geiger Dfb

USDA Winterhardiness zone 4b (average extreme low winter temp. -31.7°C to -28.9°C)

Stratford, WI Seeded in 2019	Forage Yields				
	Forage Yield 2019 Total (T/A DM) 3 cuts	2020 Total (T/A DM) 4 cuts	2021 Total (T/A DM) 4 cuts	3-yr. Total (T/A DM)	Yield % of Marathon
DFRC16*	3.60	7.18	6.35	17.13	108.2
DFRC18*	3.63	6.53	6.96	17.12	108.1
DFRC12*	3.66	6.94	6.26	16.87	106.5
Ruby Red	3.72	6.67	6.45	16.83	106.3
DFRC17*	3.54	6.72	6.41	16.67	105.3
Starfire II (Check)	3.62	6.68	6.35	16.65	105.2
DFRC14*	3.64	6.71	6.20	16.56	104.6
DFRC15*	3.61	6.73	6.16	16.50	104.2
Annabelle	3.54	6.71	6.07	16.32	103.1
DFRC11*	3.53	6.62	6.15	16.29	102.9
Freedom!MR (Check)	3.62	6.60	6.02	16.24	102.6
DFRC13*	3.67	6.77	5.79	16.22	102.5
Marathon (Check)	3.61	6.56	5.67	15.83	100.0
Mean	3.62	6.60	6.19	16.42	
LSD (0.05)	0.39	0.45	0.68	1.16	
CV%	7.7	4.9	7.8	5.0	

* Experimental Varieties

**Forage yields in bold font within each column are not significantly different from one another.