



University of Kentucky
UKnowledge

Agronomy Notes

Plant and Soil Sciences

3-1983

Red Clover Variety Trials through 1982

Roy E. Sigafus
University of Kentucky

Norman L. Taylor
University of Kentucky

Garry D. Lacefield
University of Kentucky, garry.lacefield@uky.edu

Right click to open a feedback form in a new tab to let us know how this document benefits you.

Follow this and additional works at: https://uknowledge.uky.edu/pss_notes

 Part of the [Agronomy and Crop Sciences Commons](#)

Repository Citation

Sigafus, Roy E.; Taylor, Norman L.; and Lacefield, Garry D., "Red Clover Variety Trials through 1982" (1983). *Agronomy Notes*. 83. https://uknowledge.uky.edu/pss_notes/83

This Report is brought to you for free and open access by the Plant and Soil Sciences at UKnowledge. It has been accepted for inclusion in Agronomy Notes by an authorized administrator of UKnowledge. For more information, please contact UKnowledge@lsv.uky.edu.

AGRONOMY NOTES

Volume 16. No. 1.

RED CLOVER VARIETY TRIALS THROUGH 1982

March 1983

Roy E. Sigafus, Norman L. Taylor and Garry D. Lacefield

Care should be taken by growers to obtain red clover seed of known origin, variety, germination, and purity. Whenever possible, purchase of certified seed of adapted varieties is strongly advised. Varieties such as Altaswede, Norlac, and Ottawa from Canada; Arlington and Lakeland from Wisconsin; Pennscott from Pennsylvania; Chesapeake from Maryland; and Tensas from Louisiana are not as well suited for use in Kentucky as are Kenland, Kenstar, and a few other varieties developed for the general area of Kentucky.

NOTE: Plots are harvested in the seeding year but these yields are not included in the summary below. Yields at Lexington are the total yield from 7 or 8 harvests taken in the second and third year of stands, but at Princeton, from 3 or 4 harvests from the second year of stand only.

Table 1. Dry Weight Yields and Rankings of Red Clover Varieties in Six Tests.

Location Year Seeded Harvest Years	Lexington				Princeton			
	1977 1978-1979	1978 1979-1980	1979 1980-1981	1980 1981-1982	1978 1979	1980 1981	1978 1979	1980 1981
Variety	T/A	Rank	T/A	Rank	T/A	Rank	T/A	Rank
Altaswede	1.97	12	--	--	--	--	--	--
Arlington	4.50	6	8.72	6	6.02	13	6.28	11
Chesapeake	--	--	7.97	9	7.02	8	6.26	12
Flare	--	--	--	--	7.60	3	7.97	3
Florex	3.53	9	--	--	5.64	14	5.61	14
Florie	5.08	3	--	--	6.59	10	7.10	6
Kenland	2.54	10	9.76	1	8.64	1	8.07	1
Kenstar	5.48	2	9.05	3	7.92	2	7.99	2
Kuhn	--	--	6.16	12	--	--	3.36	8
Lakeland	3.83	8	7.58	10	5.23	15	5.46	15
Norlac	2.05	11	4.84	14	3.73	16	3.12	16
Ottawa	--	--	--	--	6.28	11	--	--
Pennscott	4.17	7	8.04	8	6.28	11	5.88	13
Prosper I	--	--	8.70	7	6.65	9	6.56	9
Redhead	--	--	5.39	13	--	--	2.84	14
Redland	4.75	4	8.74	5	7.74	4	7.25	5
Redland II	--	--	--	--	7.19	6	7.06	8
Redman	5.88	1	9.29	2	7.17	7	7.08	7
Rednor	--	--	8.88	4	7.21	5	6.40	10
RF-2	4.55	5	--	--	--	--	3.06	12

The College of Agriculture is an Equal Opportunity Organization with respect to education and employment and is authorized to provide research, educational information and other services only to individuals and institutions that function without regard to race, color, national origin, sex, religion, age and handicap. Inquiries regarding compliance with Title VI and Title VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments, Section 504 of the Rehabilitation Act and other related matters should be directed to Equal Opportunity Office, College of Agriculture, University of Kentucky, Room S-105, Agricultural Science Building-North Lexington, Kentucky 40546.

UNIVERSITY OF KENTUCKY, KENTUCKY STATE UNIVERSITY, U.S. DEPARTMENT OF AGRICULTURE, AND KENTUCKY COUNTIES, COOPERATING

Although certified seed of adapted red clover varieties is expensive, it is a gamble to use lower cost, uncertified seed. A yield trial of 19 lots of uncertified seed was sown at Lexington on March 15, 1977 using certified Kenstar as check. Dry weight yields obtained from three harvests made in 1978 show a great range in yield (Table 2). Uncertified Kenland yielded about the same as the unnamed lots.

Poorly adapted varieties show markedly reduced yields in the second season and even more reduction in the third year. To show typical distribution of yields in the second and third years of a stand, yields for 1980 and 1981 are shown for a stand seeded in 1979. Also shown are yields produced for 1982 from another trial seeded at Lexington March 31, 1981 (Table 3).

TABLE 2. Dry Weight Yields of 19 Lots of Uncertified Red Clover and Certified Kenstar.

Origin	Ident.	Ton/A
Ky.	Kenstar	4.00
Ore.	Kenland	3.67
Ky.	Common*	3.25
Ill.	Common	2.95
Mo.	Common	2.91
Ore.	Kenland	2.65
Ore.	Kenland	2.26
Ore.	Kenland	2.17
Ida.	Common	2.17
Ohio	Kenland	1.93
Mich.	Common	1.90
Ore.	Kenland	1.68
Ore.	Kenland	1.51
Ore.	Kenland	1.12
Ore.	Kenland	0.67
Minn.	Common	0.58
Ore.	Common	0.51
Ore.	Common	0.41
Ore.	Kenland	0.24

*No variety name listed.

TABLE 3. Yields in Two Tests at Lexington.

Yr. Seeded Harv. Yrs. Variety	1979*			1981**	
	1980 T/A	1981 T/A	1980-81 T/A	1982 T/A	Rank
Kenland	5.19	3.45	8.64	5.45	1
Kenstar	4.94	2.98	7.92	4.64	4
Flare	4.84	2.76	7.60	5.19	3
Redland	4.82	2.65	7.47	5.20	2
Redmor	4.76	2.45	7.21	3.83	12
Redland II	4.72	2.47	7.19	4.56	5
Redman	4.70	2.47	7.17	4.49	7
Chesapeake	4.97	2.05	7.02	4.07	10
Prosper I	4.50	2.15	6.65	4.54	6
Florie	4.45	2.14	6.59	4.24	9
Ottawa	4.08	1.49	6.28	--	--
Pennscott	4.39	1.89	6.28	--	--
Arlington	4.22	1.80	6.02	4.33	8
Florex	3.98	1.66	5.64	3.92	11
Lakeland	3.86	1.37	5.23	3.61	13
Norlac	2.68	1.05	3.73	2.27	15
Kuhn	--	--	--	2.23	16
Tensas	--	--	--	3.40	14

*Seeded at Lexington March 20, 1979

**Seeded at Lexington March 30, 1981