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Rothamsted Long-term Experiments Farm Diary and Yields of the Classical and Other Long-term Experiments Weather Summaries 2023



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2023/R/GC/8 - Garden Clover (Manor Garden)

Rothamsted Research

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2023/R/GC/8 GARDEN CLOVER (Manor Garden)

Object: To study yields and pathogens of red clover grown continuously on a rich garden soil - Manor Garden. A series of treatments have been applied, including fertilisers and various treatments to counter pests and diseases, including formalin (1956-1972), aldicarb (1976-1988), and the most recent application of benomyl (a fungicide; 1980-1990). The 170th year, red clover. For previous years see 'Details' 1967 and 1973, and Yield books for 1974-2022/R/GC/8.

Design: 2 blocks of 2 plots.

Whole plot dimensions: 1.00 m × 1.40 m.

Treatments

Treatment	Most recent fungicide residues to control <i>Sclerotinia trifoliorum</i> (1980-1990)
None	None
Benomyl	Benomyl (last applied November 1989)

FARM DIARY

Date		Application	Rate	Unit
05/01/2023	f	Applied: Chalk by Hand	1250	kg/ha
05/01/2023	f	Applied: Sulphate of Potash (SOP) by Hand	300	kg/ha
05/01/2023	f	Applied: Triple Superphosphate (TSP) by Hand	159	kg/ha
05/01/2023	f	Applied: Magnesium sulphate (Epsom Salts) by Hand	521	kg/ha
18/04/2023	a	Hand Weeding of plots	-	-
05/06/2023	a	Hand Harvest - 1 st Cut	-	-
21/08/2023	a	Hand Harvest - 2 nd Cut	-	-

Notes

- Samples of clover were taken for chemical analysis.

YIELDS

RED CLOVER: 2 CUTS (05/06/2023, 21/08/2023): DRY MATTER YIELD (t/ha) (Means)

Date	Cut	Fungicide residue		Mean	Mean DM%
		None	Benomyl		
05/06/2023	1 st	1.03	0.95	0.99	20.7
21/08/2023	2 nd	1.72	1.60	1.66	28.5
Total of 2 cuts		2.75	2.55	2.65	24.6

Notes

- Two cuts were completed in 2023.