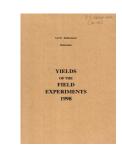
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Yields of the Field Experiments 1998



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Rothamsted Research

Rothamsted Research (1999) 98/W/CS/439 Metal Salts - Grass; Yields Of The Field Experiments 1998, pp 84 - 85 - DOI: https://doi.org/10.23637/ERADOC-1-52

98/W/CS/439

METAL SALTS

Object: To study the effects of zinc, copper and cadmium as metal salts on soil microbial activity - Woburn, Butt Close West.

Sponsors: S.P. McGrath, A. Chaudri.

Design: 3 randomised blocks of 11 plots.

Whole plot dimensions: 1.2×3.5 .

Treatments:

SALTS

A	None (duplicated)
ZN1	Zinc at rate 1
ZN2	Zinc at rate 2
ZN3	Zinc at rate 3
CU1	Copper at rate 1
CU2	Copper at rate 2
CU3	Copper at rate 3
CD1	Cadmium at rate 1
CD2	Cadmium at rate 2
CD3	Cadmium at rate 3

Experimental diary:

10-Sep-97 : B : Barclay Gallup at 6.0 1 in 200 1.

31-Mar-98 : B : Muriate of potash at 120 kg. 34.5% N at 145 kg. 03-Apr-98 : B : Triple superphosphate at 64 kg. 27% N at 370 kg.

08-May-98 : B : PDQ at 4.0 1 in 200 1.

12-May-98 : B : Raked. Mixed ryegrass broadcast at 40 kg. Raked.

05-Oct-98 : B : Cut.

NOTE: Soils were sampled in spring and the grass in summer for chemical analysis.

98/W/CS/439

1ST AND ONLY CUT (5/10/98) DRY MATTER TONNES/HECTARE

**** Tables of means ****

SALTS 1.12 A 1.10 ZN1 1.35 ZN2 1.29 ZN3 1.06 CU1 0.84 CU2 0.79 CU3 CD1 0.84 1.10 CD2 0.92 CD3 1.04 Mean

*** Standard errors of differences of means ***

SALTS

0.239 min.rep 0.207 max-min

SALTS

max-min A v any of the remainder min.rep Any of the remainder

***** Stratum standard errors and coefficients of variation *****

Stratum d.f. s.e. cv% BLOCK.WP 21 0.293 28.0

1ST CUT MEAN DM% 15.6

PLOT AREA HARVESTED (MEAN) 0.00022