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99/R/CS/429 Winter Rye As an Energy Crop - W. Rye

Rothamsted Research

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99/W/CS/428

GRAIN TONNES/HECTARE

***** Tables of means *****

SLUDGE

T21	1.83
T22	1.85
T23	2.55
T24	2.80
T25	2.37
T26	2.42
T27	1.85
T28	1.62
T29	2.40
T30	2.81
T31	1.71

Mean 2.14

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

SLUDGE

0.569	min.rep
0.492	max-min
0.402	max.rep

SLUDGE

max-min	T21 or T22 v any of the remainder
min.rep	Any of the remainder
max.rep	T21 v T22 only

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	26	0.696	32.5
GRAIN MEAN DM%	89.1		
PLOT AREA HARVESTED (MEAN)	0.00043		

99/R/CS/429

WINTER RYE AS AN ENERGY CROP

Object: To measure the effects of rates of nitrogen fertilizer on the biomass yield of w. rye - Road Piece West.

Sponsor: D.G. Christian.

The sixth year, w. rye.

For previous years see 94-98/R/CS/429.

Design: 3 randomised blocks of 5 plots.

Plot dimensions: 3.0 x 15.0.

Treatments:

N	Nitrogen fertilizer (kg N), cumulative to previous dressings:
-	None
N1	30
N2	60
N3	90
N4	120

Experimental diary:

25-Aug-98 : B : : Alpha Glyphogan at 4.0 l in 220 l.
18-Sep-98 : B : : Ploughed.
25-Sep-98 : B : : Cambridge rolled.
 : B : : Combination drilled, Esprit, undressed, at 350 seeds/m² with the Accord drill.
26-Sep-98 : B : : Cambridge rolled.
02-Oct-98 : B : : Hardy at 15 kg.
20-Oct-98 : T : : Hand broadcast Esprit, undressed, at 380 seeds/m² to all misses.
21-Oct-98 : B : : Hardy at 7.5 kg.
04-Nov-98 : B : : Decoy at 7.5 kg.
07-Apr-99 : B : : Decoy at 15 kg.
09-Apr-99 : B : : Quantum at 0.03 kg in 200 l.
23-Apr-99 : T : N1,N2,N3,N4 : 34.5% N applied as treatment.
27-May-99 : B : : Folicur at 1.0 l in 200 l.
03-Aug-99 : B : : Combine harvested.