ROTHAMSTED RESEARCH

Yields of the Field Experiments 1996

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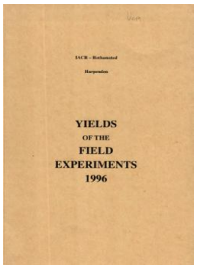

96/R/CS/429 Winter Rye As an Energy Crop - W. Rye

Rothamsted Research

Rothamsted Research (1997) *96/R/CS/429 Winter Rye As an Energy Crop - W. Rye ;* Yields Of The Field Experiments 1996, pp 88 - 89 **- DOI: https://doi.org/10.23637/ERADOC-1-51**

96/R/CS/429

WINTER RYE AS AN ENERGY CROP

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

Sponsor: D.G. Christian.

The third year, w. rye.

For previous years see 94-95/R/CS/429.

Design: 3 randomised blocks of 5 plots.

Plot dimensions: 3.0 x 15.0.

Treatments:

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

Experimental diary:

21-Aug-95 : B : Straw baled.
08-Sep-95 : B : Ploughed.
02-Oct-95 : B : Heavy spring-tine cultivated. Rotary harrowed, Amando, undressed, drilled at 350 seeds per m^2.
30-Apr-96 : **T** : **NITROGEN** N1, N2, N3, N4: 34.5% N at 87, 174, 260 and 347 kg respectively.
21-Aug-96 : B : Combine harvested.

NOTE: Plant populations were assessed and sampled for nitrogen content in spring. Stem counts were made at anthesis and before harvest, dry matter and nutrient content was measured at anthesis. Straw weights were taken at harvest.

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96/R/CS/429

GRAIN TONNES/HECTARE

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

NITROGEN

-	6.90
N1	6.99
N2	7.40
N3	7.51
N4	7.37
Mean	7.24

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

NITROGEN
0.694

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	8	0.851	11.8

GRAIN MEAN DM% 87.0

PLOT AREA HARVESTED 0.00230

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