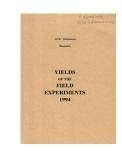
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readible, or you suspect there are some problems, please let us know and we will correct that.



Yields of the Field Experiments 1994



Full Table of Content

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

Rothamsted Research

Rothamsted Research (1995) 94/R/CS/429 Winter Rye As an Energy Crop - W. Rye; Yields Of The Field Experiments 1994, pp 91 - 92 - DOI: https://doi.org/10.23637/ERADOC-1-49

94/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.

Design: 3 randomised blocks of 5 plots.

Plot dimensions: 3.0 x 15.0.

Treatments:

Nitrogen fertilizer	(kg N),	applied as	'Nitro-Chalk':
None			
30			
60			
90			
120			
	None 30 60 90	None 30 60 90	30 60 90

Experimental diary:

13-Sep-93 : B : Ploughed.

15-Oct-93 : B : Rotary harrowed, Amando, dressed Baytan, drilled at 350
seeds per m².

14-Dec-93 : B : Draza at 5.5 kg.

22-Apr-94 : T : N 30: 27% N at 111 kg.

: T : N 60: 27% N at 222 kg. : T : N 90: 27% N at 333 kg.

: **T**: **N** 90: 27% N at 333 kg. : **T**: **N** 120: 27% N at 444 kg.

23-Aug-94 : B : Combine harvested.

NOTE: Ear numbers were counted, dry matter yield measured and nutrient concentration analysed on crop samples taken at anthesis and preharvest.

GRAIN TONNES/HECTARE

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

NITROGEN

N0 5.53 N1 5.72 N2 6.44 N3 7.15 N4 6.77

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

6.32

NITROGEN

0.616

Mean

94/R/CS/429

GRAIN TONNES/HECTARE

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

Stratum d.f. s.e. cv%

BLOCK.WP 8 0.755 11.9

GRAIN MEAN DM% 84.0

PLOT AREA HARVESTED 0.00230