

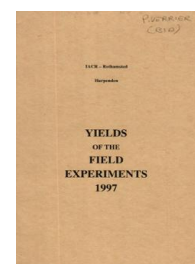
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97/R/WW/11 Chemical Control of Take-all - W. Wheat

Rothamsted Research

Rothamsted Research (1998) 97/R/WW/11 *Chemical Control of Take-all - W. Wheat* ; Yields Of The Field Experiments 1997, pp 121 - 122 - DOI: <https://doi.org/10.23637/ERADOC-1-53>

97/R/WW/11

WINTER WHEAT

CHEMICAL CONTROL OF TAKE-ALL

Object: To test a 'plant activator' to control take-all (*Gaeumannomyces graminis*) - Highfield IV/Road Piece East.

Sponsors: R. Gutteridge.

Design: 2 randomised blocks of 2 treatments duplicated.

Whole plot dimensions: 3.0 x 10.0.

Treatments:

CHEMICAL

-	None
S	Benzo (1,2,3) thiadiazole-7-carbothionic acid-S-methyl ester (CGA 245704)

NOTE: CGA 245704 contains 50% active ingredient.

Experimental diary:

27-Aug-96 : B : PK as (0:20:32) at 1400 kg.
05-Oct-96 : B : Ploughed, and furrow pressed.
10-Oct-96 : B : Rotary harrowed, Rialto, dressed Panocrine, drilled at 380 seeds per m².
28-Nov-96 : B : Auger at 2.6 l with Stomp 400 SC at 3.1 l in 200 l.
10-Mar-97 : B : 34.5% N at 118 kg.
03-Apr-97 : B : 34.5% N at 463 kg.
14-Apr-97 : T : **CHEMICAL** S: CGA 245704 at 60 g in 200 l.
30-May-97 : B : Clayton Epoxicon at 1.0 l in 300 l.
20-Aug-97 : T : Combine harvested.

Previous crops: W. and s. rape 1995, w. wheat 1996.

NOTE: Plant samples were taken in May and July to assess root and stem base diseases.

97/R/WW/11

GRAIN TONNES/HECTARE

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

CHEMICAL

-	9.89
S	9.86

Mean	9.87
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*** Standard errors of differences of means ***

CHEMICAL

0.334

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	5	0.472	4.8

GRAIN MEAN DM% 89.2

PLOT AREA HARVESTED 0.00240