

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 readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1997

[Full Table of Content](#)



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
------	------

*** 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