

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 1999

[Full Table of Content](#)



---

### 99/R/RAW/1 Growth of Weeds and Rape - W. Oilseed Rape

#### Rothamsted Research

Rothamsted Research (2000) *99/R/RAW/1 Growth of Weeds and Rape - W. Oilseed Rape* ; Yields Of The Field Experiments 1999, pp 133 - 135 - DOI: <https://doi.org/10.23637/ERADOC-1-34>

99/R/WW/13

**GRAIN TONNES/HECTARE**

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

<b>NITROGEN FUNGICIDE</b>	N0	N1	N2	N3	N4	N5	Mean
S	3.90	6.49	9.11	10.54	11.09	11.39	8.76
C	3.58	6.63	8.62	10.35	11.20	11.16	8.59
Mean	3.74	6.56	8.86	10.44	11.15	11.27	8.67

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

<b>FUNGICIDE</b>	<b>NITROGEN</b>	<b>FUNGICIDE NITROGEN</b>
0.091	0.158	0.223

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	22	0.273	3.1
GRAIN MEAN DM%	83.8		

**STRAW TONNES/HECTARE**

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

<b>NITROGEN FUNGICIDE</b>	N0	N1	N2	N3	N4	N5	Mean
S	1.38	3.07	5.27	5.67	6.39	6.70	4.75
C	1.48	3.27	4.93	5.91	6.68	6.44	4.78
Mean	1.43	3.17	5.10	5.79	6.53	6.57	4.77

STRAW MEAN DM% 63.2

PLOT AREA HARVESTED 0.00230

99/R/RAW/1

WINTER OILSEED RAPE

GROWTH OF WEEDS AND RAPE

**Object:** To measure the competitive effects of combinations of chickweed and barley on the growth and yield of oilseed rape - Appletree.

**Sponsors:** P.J.W. Lutman.

**Design:** 48 plots single replicate.

**Whole plot dimensions:** 4.0 x 16.0.

**Treatments:** All singly and certain combinations of:

1. **BARL DEN** Barley (cultivar Gleam), target plants per m<sup>2</sup>:

B0	0
B1	20
B2	40
B3	60
B4	80
B5	100
B6	120
B7	150
B8	180
B9	220
B10	260
B11	300
B12	400

2. **CHCK DEN** Chickweed (*stellaria media*), target plants per m<sup>2</sup>:

C0	0
C1	30
C2	60
C3	90
C4	120
C5	150
C6	180
C7	220
C8	280
C9	340
C10	400
C11	600
C12	800

**NOTE:** Combination B0 C0 was quadruplicated.

**Experimental diary:**

29-Jul-98 : B : : Subsoiled started  
30-Jul-98 : B : : Subsoiled completed  
12-Aug-98 : B : : Ploughed and furrow pressed, started.  
13-Aug-98 : B : : Ploughed and furrow pressed, completed.

99/R/RAW/1

**Experimental diary:**

27-Aug-98 : T : : Barley and chickweed seed broadcast as treatment.  
 : B : : Rotary harrowed, Apex, tr. Lindex-Plus FS Seed  
 Treatment, drilled at 120 seeds/m<sup>2</sup> with the Accord  
 drill.  
 28-Aug-98 : B : : Rolled.  
 29-Aug-98 : B : : Hardy at 7.5 kg.  
 17-Sep-98 : B : : Decis at 250 ml in 200 l.  
 24-Sep-98 : B : : 34.5% N at 120 kg.  
 28-Sep-98 : T : : Butisan S at 1.5 l in 220 l, control and barley only  
 plots.  
 : T : : tm)Laser at 0.7 l in 220 l, control and chickweed only  
 plots.  
 : T : : tm)Cropoil at 2.0 l in 220 l, control and chickweed  
 only plots.  
 16-Nov-98 : B : : tm)Punch C at 0.4 l in 200 l.  
 : B : : tm)Stefes Cypermethrin 2 at 250 ml in 200 l.  
 08-Feb-99 : B : : 34.5% N at 300 kg.  
 25-Feb-99 : B : : Punch C at 0.4 l in 200 l.  
 05-Mar-99 : B : : 34.5% N at 300 kg.  
 30-Apr-99 : B : : tm)Bavistin DF at 1.0 l in 200 l.  
 : B : : tm)Ronilan FL at 0.5 l in 200 l.  
 : B : : tm)Hallmark at 100 ml in 200 l.  
 09-Jul-99 : B : : tm)Reglone at 3.0 l in 400 l.  
 : B : : tm)Enhance at 400 ml in 400 l.  
 18-Jul-99 : B : : Combine harvested.

Previous crops: Linseed 1997, w. barley 1998.

**GRAIN TONNES/HECTARE (FROM COMBINE HARVESTER)**

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

	C0	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12
<b>CHCKWEED</b>													
<b>BARLEY</b>													
B0	4.68	4.24	4.75	4.89	4.16	4.04	4.60	3.19	4.42	4.48	4.46	5.00	4.31
B1	5.21			4.85		4.67		4.34			4.68		
B2	4.48			4.55		2.87		4.05			4.21		
B3	4.83												
B4	4.37			4.43		4.45		4.58			4.24		
B5	5.11												
B6	4.38			5.35		4.07		4.57			4.41		
B7	5.06												
B8	4.41			4.42		4.06		4.13			4.82		
B9	4.50												
B10	4.62												
B11	4.48												
B12	4.55												

GRAIN MEAN DM% 89.0