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## Yields of the Field Experiments 1988

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### 88/R/B/1 Factors Limiting Yield - W. Barley

#### Rothamsted Research

Rothamsted Research (1989) *88/R/B/1 Factors Limiting Yield - W. Barley* ; Yields Of The Field Experiments 1988, pp 168 - 184 - DOI: <https://doi.org/10.23637/ERADOC-1-43>



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plus all combinations of the following all after barley and given late fungicides and 125 kg N in spring, not given cypermethrin in the autumn:

1. **SOWDATEV**

25 SEPT	25 September, 1987
26 OCT	26 October

2. **WINTR NV** Nitrogen fertilizer in winter (kg N) as urea (46 %N):

0	None
33+25	33 on 17 Nov, 1987, 25 on 18 Feb, 1988

3. **E FUNGV** Early fungicides:

NONE	None
TFSD	Triadimenol and fuberidazole seed dressing

4. **N TIMEV** Timing of spring nitrogen application:

14 MAR	14 March, 1988
13 APR	13 April

plus 2 extra treatments following fallow, sown 25 September and given early and late fungicides, cypermethrin, 125 kg spring nitrogen but not given winter nitrogen:

**N TIMEF** Timing of spring nitrogen application:

14 MAR	14 March, 1988 (duplicated)
13 APR	13 April (duplicated)

plus 1 extra treatment following barley, sown 25 September given early and late fungicides, cypermethrin, 200 kg spring nitrogen in April:

**WINTER NX** Extra winter nitrogen (kg N):

58+25	58 kg on 17 Nov, 1987, 25 kg on 18 Feb, 1988 (duplicated)
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plus 1 extra treatment following barley, sown 25 September, and given early and late fungicides, cypermethrin but no nitrogen:

**EXTRA NO**

0+0+0	No nitrogen (duplicated)
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**Basal applications:** Weedkillers: Glyphosate at 0.27 kg in 200 l. Chlortoluron at 3.5 kg in 200 l. Diclofop-methyl at 0.95 kg in 200 l. Fluroxypyr at 0.20 kg with clopyralid at 0.07 kg and bromoxynil at 0.34 kg in 200 l. Growth regulators: Mepiquat chloride at 0.61 kg and 2-chloroethylphosphonic acid at 0.31 kg with a wetting agent ('Cittowet' at 0.08 l) in 200 l.

**Seed:** Magie, sown at 300 seeds per square metre.

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**Cultivations, etc.:-** Rotary cultivated (fallow and barley plots only):  
 19 Aug, 1987. Glyphosate applied: 18 Sept. Cultivated by rotary  
 grubber: 23 Sept. Early-sown plots rotary harrowed, seed sown:  
 25 Sept. Later-sown plots rotary harrowed, seed sown: 26 Oct.  
 Chlortoluron applied: 6 Nov. Diclofop-methyl applied: 18 Nov.  
 Remaining weedkillers applied: 25 Apr, 1988. Growth regulators with  
 wetting agent applied: 26 Apr. Combine harvested: 4 Aug. Previous  
 crops: W. wheat 1986, w. barley, w. oats, fallow 1987.

- NOTES:** (1) Soil was sampled to measure nitrate and ammonium contents in  
 October, 1987, November and February, 1988. Crop samples  
 were taken to measure nitrate N concentrations from November  
 to July.  
 (2) Plants were sampled in March, April, June and July to measure  
 plant and shoot numbers, dry weights and nitrogen uptakes.  
 After harvest thousand grain weights were measured.  
 (3) Leaf diseases, take-all, eyespot, barley yellow dwarf virus  
 and aphid incidence were assessed.  
 (4) A cage was erected over the crop from early June to maturity  
 to prevent damage by birds.

**GRAIN TONNES/HECTARE**

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

WINTER N PREVCROP	0	NOV+FEB	Mean
BARLEY	5.38	5.73	5.56
OATS	6.08	6.56	6.32
Mean	5.73	6.15	5.94
<b>SPRING N PREVCROP</b>	125	200	Mean
BARLEY	5.26	5.86	5.56
OATS	6.19	6.45	6.32
Mean	5.72	6.15	5.94
<b>SPRING N WINTER N</b>	125	200	Mean
0	5.55	5.91	5.73
NOV+FEB	5.90	6.40	6.15
Mean	5.72	6.15	5.94
<b>N TIME PREVCROP</b>	14 MAR	13 APR	Mean
BARLEY	5.68	5.43	5.56
OATS	6.25	6.39	6.32
Mean	5.96	5.91	5.94



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GRAIN TONNES/HECTARE

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

N TIME	14 MAR	13 APR	Mean
<b>WINTER N</b>			
0	5.85	5.61	5.73
NOV+FEB	6.08	6.21	6.15
Mean	5.96	5.91	5.94

N TIME	14 MAR	13 APR	Mean
<b>SPRING N</b>			
125	5.74	5.70	5.72
200	6.19	6.12	6.15
Mean	5.96	5.91	5.94

E FUNG	NONE	TFSD	Mean
<b>PREVCROP</b>			
BARLEY	5.60	5.51	5.56
OATS	6.18	6.46	6.32
Mean	5.89	5.98	5.94

E FUNG	NONE	TFSD	Mean
<b>WINTER N</b>			
0	5.70	5.76	5.73
NOV+FEB	6.09	6.20	6.15
Mean	5.89	5.98	5.94

E FUNG	NONE	TFSD	Mean
<b>SPRING N</b>			
125	5.69	5.75	5.72
200	6.10	6.21	6.15
Mean	5.89	5.98	5.94

E FUNG	NONE	TFSD	Mean
<b>N TIME</b>			
14 MAR	5.80	6.13	5.96
13 APR	5.99	5.83	5.91
Mean	5.89	5.98	5.94

L FUNG	NONE	SPRAYS	Mean
<b>PREVCROP</b>			
BARLEY	5.27	5.84	5.56
OATS	5.85	6.79	6.32
Mean	5.56	6.31	5.94

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**GRAIN TONNES/HECTARE**

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

<b>L FUNG</b>	NONE	SPRAYS	Mean
<b>WINTER N</b>			
0	5.37	6.08	5.73
NOV+FEB	5.75	6.54	6.15
Mean	5.56	6.31	5.94
<b>L FUNG</b>	NONE	SPRAYS	Mean
<b>SPRING N</b>			
125	5.52	5.92	5.72
200	5.60	6.71	6.15
Mean	5.56	6.31	5.94
<b>L FUNG</b>	NONE	SPRAYS	Mean
<b>N TIME</b>			
14 MAR	5.43	6.50	5.96
13 APR	5.69	6.13	5.91
Mean	5.56	6.31	5.94
<b>L FUNG</b>	NONE	SPRAYS	Mean
<b>E FUNG</b>			
NONE	5.51	6.28	5.89
TFSD	5.61	6.35	5.98
Mean	5.56	6.31	5.94
	<b>SPRING N</b>	125	200
<b>PREVCROP</b>	<b>WINTER N</b>		
BARLEY	0	5.15	5.61
	NOV+FEB	5.36	6.10
OATS	0	5.94	6.21
	NOV+FEB	6.43	6.69
	<b>N TIME</b>	14 MAR	13 APR
<b>PREVCROP</b>	<b>WINTER N</b>		
BARLEY	0	5.61	5.15
	NOV+FEB	5.75	5.71
OATS	0	6.09	6.06
	NOV+FEB	6.41	6.71
	<b>N TIME</b>	14 MAR	13 APR
<b>PREVCROP</b>	<b>SPRING N</b>		
BARLEY	125	5.37	5.14
	200	5.98	5.73
OATS	125	6.11	6.26
	200	6.39	6.51

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GRAIN TONNES/HECTARE

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

	N TIME	14 MAR	13 APR
WINTER N	SPRING N		
0	125	5.71	5.38
	200	5.99	5.83
NOV+FEB	125	5.78	6.02
	200	6.38	6.41
	E FUNG	NONE	TFSD
PREVCROP	WINTER N		
BARLEY	0	5.41	5.35
	NOV+FEB	5.79	5.67
OATS	0	5.98	6.17
	NOV+FEB	6.39	6.74
	E FUNG	NONE	TFSD
PREVCROP	SPRING N		
BARLEY	125	5.38	5.13
	200	5.83	5.88
OATS	125	6.01	6.37
	200	6.36	6.54
	E FUNG	NONE	TFSD
WINTER N	SPRING N		
0	125	5.55	5.54
	200	5.84	5.98
NOV+FEB	125	5.83	5.97
	200	6.36	6.44
	E FUNG	NONE	TFSD
PREVCROP	N TIME		
BARLEY	14 MAR	5.53	5.83
	13 APR	5.68	5.18
OATS	14 MAR	6.07	6.43
	13 APR	6.30	6.48
	E FUNG	NONE	TFSD
WINTER N	N TIME		
0	14 MAR	5.66	6.04
	13 APR	5.73	5.49
NOV+FEB	14 MAR	5.93	6.23
	13 APR	6.25	6.18
	E FUNG	NONE	TFSD
SPRING N	N TIME		
125	14 MAR	5.56	5.93
	13 APR	5.83	5.58
200	14 MAR	6.04	6.33
	13 APR	6.16	6.09

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GRAIN TONNES/HECTARE

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

	<b>L FUNG</b>	<b>NONE</b>	<b>SPRAYS</b>
<b>PREVCROP</b>	<b>WINTER N</b>		
BARLEY	0	5.15	5.61
	NOV+FEB	5.39	6.08
OATS	0	5.60	6.56
	NOV+FEB	6.11	7.01
	<b>L FUNG</b>	<b>NONE</b>	<b>SPRAYS</b>
<b>PREVCROP</b>	<b>SPRING N</b>		
BARLEY	125	5.21	5.30
	200	5.32	6.39
OATS	125	5.82	6.55
	200	5.88	7.02
	<b>L FUNG</b>	<b>NONE</b>	<b>SPRAYS</b>
<b>WINTER N</b>	<b>SPRING N</b>		
0	125	5.41	5.68
	200	5.33	6.49
NOV+FEB	125	5.63	6.17
	200	5.87	6.92
	<b>L FUNG</b>	<b>NONE</b>	<b>SPRAYS</b>
<b>PREVCROP</b>	<b>N TIME</b>		
BARLEY	14 MAR	5.23	6.13
	13 APR	5.31	5.56
OATS	14 MAR	5.63	6.87
	13 APR	6.08	6.70
	<b>L FUNG</b>	<b>NONE</b>	<b>SPRAYS</b>
<b>WINTER N</b>	<b>N TIME</b>		
0	14 MAR	5.24	6.46
	13 APR	5.51	5.71
NOV+FEB	14 MAR	5.62	6.54
	13 APR	5.88	6.55
	<b>L FUNG</b>	<b>NONE</b>	<b>SPRAYS</b>
<b>SPRING N</b>	<b>N TIME</b>		
125	14 MAR	5.47	6.02
	13 APR	5.57	5.83
200	14 MAR	5.39	6.99
	13 APR	5.82	6.42
	<b>L FUNG</b>	<b>NONE</b>	<b>SPRAYS</b>
<b>PREVCROP</b>	<b>E FUNG</b>		
BARLEY	NONE	5.36	5.85
	TFSD	5.17	5.84
OATS	NONE	5.66	6.71
	TFSD	6.05	6.86



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GRAIN TONNES/HECTARE

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

	L FUNG	NONE	SPRAYS
<b>WINTER N</b>	<b>E FUNG</b>		
0	NONE	5.29	6.11
	TFSD	5.46	6.06
NOV+FEB	NONE	5.74	6.45
	TFSD	5.76	6.64
	<b>L FUNG</b>	<b>NONE</b>	<b>SPRAYS</b>
<b>SPRING N</b>	<b>E FUNG</b>		
125	NONE	5.55	5.83
	TFSD	5.48	6.02
200	NONE	5.47	6.72
	TFSD	5.73	6.69
	<b>L FUNG</b>	<b>NONE</b>	<b>SPRAYS</b>
<b>N TIME</b>	<b>E FUNG</b>		
14 MAR	NONE	5.24	6.36
	TFSD	5.61	6.65
13 APR	NONE	5.78	6.20
	TFSD	5.60	6.06
<b>WINTR NV</b>	0	33+25	Mean
<b>SOWDATEV</b>			
25 SEPT	5.82	6.16	5.99
26 OCT	5.28	5.89	5.59
Mean	5.55	6.03	5.79
<b>E FUNGV</b>	NONE	TFSD	Mean
<b>SOWDATEV</b>			
25 SEPT	5.92	6.06	5.99
26 OCT	5.58	5.59	5.59
Mean	5.75	5.83	5.79
<b>E FUNGV</b>	NONE	TFSD	Mean
<b>WINTR NV</b>			
0	5.67	5.43	5.55
33+25	5.83	6.23	6.03
Mean	5.75	5.83	5.79
<b>N TIMEV</b>	14 MAR	13 APR	Mean
<b>SOWDATEV</b>			
25 SEPT	6.34	5.65	5.99
26 OCT	5.57	5.60	5.59
Mean	5.96	5.62	5.79

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GRAIN TONNES/HECTARE

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

N TIMEV	14 MAR	13 APR	Mean
WINTR NV			
0	5.64	5.46	5.55
33+25	6.27	5.79	6.03
Mean	5.96	5.62	5.79

N TIMEV	14 MAR	13 APR	Mean
E FUNGV			
NONE	6.07	5.43	5.75
TFSD	5.84	5.82	5.83
Mean	5.96	5.62	5.79

SOWDATEV	E FUNGV	NONE	TFSD
	WINTR NV		
25 SEPT	0	5.81	5.84
	33+25	6.03	6.29
26 OCT	0	5.54	5.02
	33+25	5.62	6.16

SOWDATEV	N TIMEV	14 MAR	13 APR
	WINTR NV		
25 SEPT	0	6.20	5.44
	33+25	6.48	5.85
26 OCT	0	5.09	5.48
	33+25	6.06	5.72

SOWDATEV	N TIMEV	14 MAR	13 APR
	E FUNGV		
25 SEPT	NONE	6.35	5.48
	TFSD	6.32	5.81
26 OCT	NONE	5.78	5.38
	TFSD	5.36	5.82

WINTR NV	N TIMEV	14 MAR	13 APR
	E FUNGV		
0	NONE	5.96	5.39
	TFSD	5.33	5.53
33+25	NONE	6.18	5.47
	TFSD	6.35	6.10

SOWDATEV	WINTR NV	N TIMEV	14 MAR	13 APR
		E FUNGV		
25 SEPT	0	NONE	6.05	5.56
		TFSD	6.34	5.33
	33+25	NONE	6.66	5.41
		TFSD	6.29	6.29
26 OCT	0	NONE	5.86	5.23
		TFSD	4.32	5.73
	33+25	NONE	5.71	5.54
		TFSD	6.41	5.91

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**GRAIN TONNES/HECTARE**

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

N TIMEF	14 MAR	13 APR	Mean
	6.04	6.32	6.18
<b>WINTER NX</b>	58+25		
	6.00		
<b>EXTRA NO</b>	0+0+0		
	1.68		

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

(not including extra plots)

Margin of two factor tables	0.123
Two factor tables	0.174
Three factor tables	0.246

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

Stratum	d.f.	s.e.	cv%
WP	22	0.492	8.3
GRAIN MEAN DM%	80.9		

**STRAW TONNES/HECTARE**

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

<b>WINTER N</b>	0	NOV+FEB	Mean
<b>PREVCROP</b>			
BARLEY	3.01	3.29	3.15
OATS	3.89	4.07	3.98
Mean	3.45	3.68	3.57
<b>SPRING N</b>	125	200	Mean
<b>PREVCROP</b>			
BARLEY	3.04	3.26	3.15
OATS	3.85	4.11	3.98
Mean	3.45	3.68	3.57
<b>SPRING N</b>	125	200	Mean
<b>WINTER N</b>			
0	3.35	3.56	3.45
NOV+FEB	3.55	3.81	3.68
Mean	3.45	3.68	3.57

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STRAW TONNES/HECTARE

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

N TIME	14 MAR	13 APR	Mean
PREVCROP			
BARLEY	3.21	3.09	3.15
OATS	3.86	4.09	3.98
Mean	3.54	3.59	3.57

N TIME	14 MAR	13 APR	Mean
WINTER N			
0	3.41	3.49	3.45
NOV+FEB	3.67	3.69	3.68
Mean	3.54	3.59	3.57

N TIME	14 MAR	13 APR	Mean
SPRING N			
125	3.37	3.52	3.45
200	3.71	3.66	3.68
Mean	3.54	3.59	3.57

E FUNG	NONE	TFSD	Mean
PREVCROP			
BARLEY	3.17	3.13	3.15
OATS	3.90	4.06	3.98
Mean	3.54	3.59	3.57

E FUNG	NONE	TFSD	Mean
WINTER N			
0	3.40	3.50	3.45
NOV+FEB	3.67	3.69	3.68
Mean	3.54	3.59	3.57

E FUNG	NONE	TFSD	Mean
SPRING N			
125	3.44	3.45	3.45
200	3.63	3.74	3.68
Mean	3.54	3.59	3.57

E FUNG	NONE	TFSD	Mean
N TIME			
14 MAR	3.60	3.47	3.54
13 APR	3.47	3.72	3.59
Mean	3.54	3.59	3.57

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STRAW TONNES/HECTARE

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

L FUNG PREVCROP	NONE	SPRAYS	Mean
BARLEY	2.86	3.44	3.15
OATS	3.73	4.23	3.98
Mean	3.29	3.84	3.57

L FUNG WINTER N	NONE	SPRAYS	Mean
0	3.21	3.70	3.45
NOV+FEB	3.38	3.97	3.68
Mean	3.29	3.84	3.57

L FUNG SPRING N	NONE	SPRAYS	Mean
125	3.23	3.67	3.45
200	3.36	4.01	3.68
Mean	3.29	3.84	3.57

L FUNG N TIME	NONE	SPRAYS	Mean
14 MAR	3.14	3.94	3.54
13 APR	3.45	3.73	3.59
Mean	3.29	3.84	3.57

L FUNG E FUNG	NONE	SPRAYS	Mean
NONE	3.27	3.81	3.54
TFSD	3.32	3.87	3.59
Mean	3.29	3.84	3.57

PREVCROP	SPRING N	125	200
BARLEY	WINTER N	0	2.92
	NOV+FEB	0	3.11
OATS	WINTER N	0	3.17
	NOV+FEB	0	3.41
OATS	WINTER N	0	3.77
	NOV+FEB	0	4.01
OATS	WINTER N	0	3.92
	NOV+FEB	0	4.21

PREVCROP	N TIME	14 MAR	13 APR
BARLEY	WINTER N	0	3.00
	NOV+FEB	0	3.03
OATS	WINTER N	0	3.43
	NOV+FEB	0	3.15
OATS	WINTER N	0	3.82
	NOV+FEB	0	3.96
OATS	WINTER N	0	3.91
	NOV+FEB	0	4.23



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STRAW TONNES/HECTARE

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

	N TIME	14 MAR	13 APR
<b>PREVCROP</b>	<b>SPRING N</b>		
BARLEY	125	3.04	3.05
	200	3.39	3.13
OATS	125	3.70	4.00
	200	4.03	4.19
	<b>N TIME</b>	<b>14 MAR</b>	<b>13 APR</b>
<b>WINTER N</b>	<b>SPRING N</b>		
0	125	3.16	3.53
	200	3.66	3.46
NOV+FEB	125	3.57	3.52
	200	3.76	3.86
	<b>E FUNG</b>	<b>NONE</b>	<b>TFSD</b>
<b>PREVCROP</b>	<b>WINTER N</b>		
BARLEY	0	2.90	3.13
	NOV+FEB	3.45	3.13
OATS	0	3.91	3.87
	NOV+FEB	3.89	4.25
	<b>E FUNG</b>	<b>NONE</b>	<b>TFSD</b>
<b>PREVCROP</b>	<b>SPRING N</b>		
BARLEY	125	3.11	2.98
	200	3.24	3.28
OATS	125	3.78	3.91
	200	4.01	4.21
	<b>E FUNG</b>	<b>NONE</b>	<b>TFSD</b>
<b>WINTER N</b>	<b>SPRING N</b>		
0	125	3.23	3.46
	200	3.58	3.54
NOV+FEB	125	3.66	3.43
	200	3.68	3.94
	<b>E FUNG</b>	<b>NONE</b>	<b>TFSD</b>
<b>PREVCROP</b>	<b>N TIME</b>		
BARLEY	14 MAR	3.29	3.13
	13 APR	3.05	3.12
OATS	14 MAR	3.92	3.81
	13 APR	3.88	4.31
	<b>E FUNG</b>	<b>NONE</b>	<b>TFSD</b>
<b>WINTER N</b>	<b>N TIME</b>		
0	14 MAR	3.42	3.39
	13 APR	3.38	3.61
NOV+FEB	14 MAR	3.78	3.55
	13 APR	3.55	3.83

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STRAW TONNES/HECTARE

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

	<b>E FUNG</b>	NONE	TFSD
<b>SPRING N</b>	<b>N TIME</b>		
125	14 MAR	3.45	3.28
	13 APR	3.44	3.61
200	14 MAR	3.76	3.66
	13 APR	3.50	3.82
	<b>L FUNG</b>	NONE	SPRAYS
<b>PREVCROP</b>	<b>WINTER N</b>		
BARLEY	0	2.78	3.25
	NOV+FEB	2.94	3.64
OATS	0	3.63	4.15
	NOV+FEB	3.83	4.31
	<b>L FUNG</b>	NONE	SPRAYS
<b>PREVCROP</b>	<b>SPRING N</b>		
BARLEY	125	2.79	3.30
	200	2.93	3.59
OATS	125	3.66	4.04
	200	3.80	4.42
	<b>L FUNG</b>	NONE	SPRAYS
<b>WINTER N</b>	<b>SPRING N</b>		
0	125	3.11	3.58
	200	3.30	3.82
NOV+FEB	125	3.34	3.75
	200	3.43	4.19
	<b>L FUNG</b>	NONE	SPRAYS
<b>PREVCROP</b>	<b>N TIME</b>		
BARLEY	14 MAR	2.83	3.60
	13 APR	2.89	3.29
OATS	14 MAR	3.45	4.28
	13 APR	4.01	4.18
	<b>L FUNG</b>	NONE	SPRAYS
<b>WINTER N</b>	<b>N TIME</b>		
0	14 MAR	2.99	3.83
	13 APR	3.42	3.57
NOV+FEB	14 MAR	3.28	4.05
	13 APR	3.48	3.89
	<b>L FUNG</b>	NONE	SPRAYS
<b>SPRING N</b>	<b>N TIME</b>		
125	14 MAR	3.16	3.57
	13 APR	3.29	3.76
200	14 MAR	3.12	4.31
	13 APR	3.61	3.71

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STRAW TONNES/HECTARE

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

	L FUNG	NONE	SPRAYS
<b>PREVCROP</b>	<b>E FUNG</b>		
BARLEY	NONE	2.88	3.46
	TFSD	2.84	3.42
OATS	NONE	3.65	4.15
	TFSD	3.81	4.31
<b>WINTER N</b>	<b>L FUNG</b>	<b>NONE</b>	<b>SPRAYS</b>
0	<b>E FUNG</b>		
	NONE	3.18	3.63
	TFSD	3.23	3.76
NOV+FEB	NONE	3.35	3.98
	TFSD	3.41	3.97
<b>SPRING N</b>	<b>L FUNG</b>	<b>NONE</b>	<b>SPRAYS</b>
125	<b>E FUNG</b>		
	NONE	3.27	3.62
	TFSD	3.18	3.71
200	NONE	3.26	3.99
	TFSD	3.46	4.02
<b>N TIME</b>	<b>L FUNG</b>	<b>NONE</b>	<b>SPRAYS</b>
14 MAR	<b>E FUNG</b>		
	NONE	3.15	4.06
	TFSD	3.12	3.82
13 APR	NONE	3.38	3.56
	TFSD	3.53	3.91
<b>WINTR NV</b>	0	33+25	Mean
<b>SOWDATEV</b>			
25 SEPT	3.39	3.61	3.50
26 OCT	3.70	3.90	3.80
Mean	3.54	3.75	3.65
<b>E FUNGV</b>	NONE	TFSD	Mean
<b>SOWDATEV</b>			
25 SEPT	3.34	3.66	3.50
26 OCT	3.50	4.10	3.80
Mean	3.42	3.88	3.65
<b>E FUNGV</b>	NONE	TFSD	Mean
<b>WINTR NV</b>			
0	3.32	3.77	3.54
33+25	3.52	3.99	3.75
Mean	3.42	3.88	3.65

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STRAW TONNES/HECTARE

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

<b>N TIMEV</b>	14 MAR	13 APR	Mean
<b>SOWDATEV</b>			
25 SEPT	3.83	3.17	3.50
26 OCT	3.84	3.76	3.80
Mean	3.83	3.47	3.65
<b>N TIMEV</b>	14 MAR	13 APR	Mean
<b>WINTR NV</b>			
0	3.58	3.51	3.54
33+25	4.08	3.43	3.75
Mean	3.83	3.47	3.65
<b>N TIMEV</b>	14 MAR	13 APR	Mean
<b>E FUNGV</b>			
NONE	3.68	3.16	3.42
TFSD	3.98	3.77	3.88
Mean	3.83	3.47	3.65
<b>SOWDATEV</b>	<b>E FUNGV</b>	NONE	TFSD
25 SEPT	<b>WINTR NV</b>		
	0	3.29	3.50
	33+25	3.39	3.82
26 OCT	0	3.35	4.04
	33+25	3.65	4.15
<b>SOWDATEV</b>	<b>N TIMEV</b>	14 MAR	13 APR
25 SEPT	<b>WINTR NV</b>		
	0	3.59	3.19
	33+25	4.06	3.15
26 OCT	0	3.58	3.82
	33+25	4.10	3.70
<b>SOWDATEV</b>	<b>N TIMEV</b>	14 MAR	13 APR
25 SEPT	<b>E FUNGV</b>		
	NONE	3.69	2.98
	TFSD	3.96	3.36
26 OCT	NONE	3.67	3.33
	TFSD	4.01	4.18
<b>WINTR NV</b>	<b>N TIMEV</b>	14 MAR	13 APR
0	<b>E FUNGV</b>		
	NONE	3.41	3.22
	TFSD	3.76	3.79
33+25	NONE	3.95	3.09
	TFSD	4.21	3.76

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STRAW TONNES/HECTARE

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

SOWDATEV	WINTR NV	N TIMEV E FUNGV	14 MAR	13 APR
25 SEPT	0	NONE	3.33	3.24
		TFSD	3.85	3.15
	33+25	NONE	4.05	2.73
		TFSD	4.07	3.57
26 OCT	0	NONE	3.49	3.21
		TFSD	3.67	4.42
	33+25	NONE	3.85	3.46
		TFSD	4.35	3.95
N TIMEF	14 MAR	13 APR	Mean	
	3.30	3.85	3.58	
WINTER NX	58+25			
	3.76			
EXTRA NO	0+0+0			
	0.76			

STRAW MEAN DM% 86.9

PLOT AREA HARVESTED 0.00210