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Yields of the Field Experiments 1966

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66/R/BP/C/17 Legumes and Barley - Cereals and Hay

Rothamsted Research

Rothamsted Research (1967) *66/R/BP/C/17 Legumes and Barley - Cereals and Hay* ; Yields Of The Field Experiments 1966, pp 181 - 183 - DOI: <https://doi.org/10.23637/ERADOC-1-158>

66/c/17.3

OATS

GRAIN

Undersown 1965	Undersown 1966		N1		N2	Mean
	-	T				
-	43.2	36.8	(+1.87)*		43.5	40.0
T	46.9	37.6	36.5	38.1	46.4	42.3
Undersown 1966			(+1.87)*			
-			42.1		48.0	45.1
T			32.5		41.9	37.2
Mean (± 1.32)			37.3		45.0	41.1

* For use in horizontal and interaction comparisons only.

Mean D.M. %: 80.0

	SPRING BEANS Grain	HAY: DRY MATTER			Total of 3 cuts
		1st cut	2nd cut	3rd cut	
Mean	31.1	23.8	29.0	28.6	81.5
Mean D.M. %:	72.0	17.5	16.5	16.9	17.0

DATE

CHAIN

Year	1987	1988	1989	1990
Mean (±1.96)	27.8	27.8	27.8	27.8
1987	27.8	27.8	27.8	27.8
1988	27.8	27.8	27.8	27.8
1989	27.8	27.8	27.8	27.8
1990	27.8	27.8	27.8	27.8

* For use in horizontal and vertical comparisons only.

Mean Date: 27.8

DATE

CHAIN

Year	1987	1988	1989	1990
Mean (±1.96)	27.8	27.8	27.8	27.8
1987	27.8	27.8	27.8	27.8
1988	27.8	27.8	27.8	27.8
1989	27.8	27.8	27.8	27.8
1990	27.8	27.8	27.8	27.8

66/c/18.1

PREVIOUS CROPS & N FOR BARLEY

(BQ)

The effect of previous cropping and nitrogen on the yield of barley - Stackyard 1966, the second year - barley.

Design: 3 randomised blocks of 9 plots, split into 3 for N.

Area of each sub plot: 0.0096. Area harvested: 0.0064.

Treatments: All combinations of:-

Whole plots (applied 1965):-

1. Cropping: Spring wheat (W), Kale (K), Italian Ryegrass (G).
2. Nitrogen: None (R0), 1.0 (R2), 2.0 cwt (R4) N as 'Nitro-Chalk'.

Sub plots (applied to barley 1966):-

3. Nitrogen: None (N0), 0.5 (N1), 1.0 cwt (N2) as 'Nitro-Chalk'.

Basal applications: 2.5 cwt (0:20:20) combine drilled. Weed-killer: Mecoprop/2,4-D (Methoxone Extra at 6 pints in 30 gals).

Cultivations, etc.: Ploughed: Jan 28, 1966. Seed drilled at 145 lb: Mar 10. 'Nitro-Chalk' applied: Mar 11. Sprayed: May 17. Combine harvested: Aug 20. Variety: Maris Badger.

NOTE: For the previous year's results see 'Results' 65/C/27.

Standard errors per plot. Grain:

Whole plot: 3.04 or 11.0% (16 d.f.)

Sub plot: 3.07 or 11.1% (36 d.f.)