

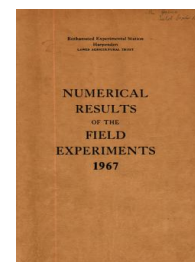
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## Yields of the Field Experiments 1967

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### 67/R/AZ/C/6 Row Spacing N and Paraquat - Lucerne 4th Year

#### Rothamsted Research

Rothamsted Research (1968) *67/R/AZ/C/6 Row Spacing N and Paraquat - Lucerne 4th Year*; Yields Of The Field Experiments 1967, pp 135 - 139 - DOI: <https://doi.org/10.23637/ERADOC-1-157>

67/C/6.1

LUCERNE

(AZ)

Row spacing, N and paraquat, Long Hoos VII, 1967, the 4th year.

For treatments, etc. and the previous years' results see 'Results'  
64/C/13, 65/C/12, 66/C/8.

Area of each plot: 0.0145. Area harvested: 0.0034.

Cultivations, etc.: P treatment sprayed with paraquat at 2 lb ion  
in 37 gals: Feb 6, 1967. Basal PK compound applied: Feb 7.  
'Nitro-Chalk' applied: Mar 2. Cut three times: June 2,  
July 18, Sept 4. Irrigated 2 ins: July 31 - Aug 3. PK  
applied after first two cuts.

Standard errors per plot. Dry matter:

1st cut:	4.55 or 15.5% (33 d.f.)
2nd cut:	5.70 or 22.7% (33 d.f.)
3rd cut:	2.09 or 13.8% (33 d.f.)
Total of 3 cuts:	11.37 or 16.4% (33 d.f.)

N cwt per acre as 'Nitro-Chalk'

NO =	0.00
N1 =	0.25
N2 =	0.50

67/C/6.2

SUMMARY OF RESULTS

DRY MATTER

1ST CUT

	NO	N1	N2	Mean
Mean ( $\pm 1.14$ )	27.0	30.2	30.6	29.3
		( $\pm 1.61$ )		( $\pm 0.93$ )
C	27.2	29.8	29.5	28.9
W	26.7	30.6	31.7	29.7
		( $\pm 1.61$ )		( $\pm 0.93$ )
PO	30.6	34.0	35.8	33.5
PI	23.3	26.4	25.4	25.0
	C	W		
		( $\pm 1.31$ )		
PO	33.6	33.3		
PI	24.1	26.0		

Mean D.M. %: 16.6

67/C/6.3

DRY MATTER				
2ND CUT				
	NO	N1	N2	Mean
Mean ( $\pm 1.43$ )	24.2	26.6	24.6	25.1
		( $\pm 2.02$ )		( $\pm 1.16$ )
C	24.2	25.1	23.5	24.3
W	24.2	28.1	25.7	26.0
		( $\pm 2.02$ )		( $\pm 1.16$ )
PO	24.6	28.0	25.5	26.0
PI	23.8	25.2	23.7	24.2
	C	W		
		( $\pm 1.65$ )		
PO	25.6	26.4		
PI	22.9	25.6		

Mean D.M. %: 18.4

67/C/6.4

DRY MATTER

3RD CUT

	NO	N1	N2	Mean
Mean ( $\pm 0.52$ )	15.2	15.4	15.0	15.2
		( $\pm 0.74$ )		( $\pm 0.43$ )
C	15.4	14.9	15.1	15.1
W	15.0	15.8	14.9	15.2
		( $\pm 0.74$ )		( $\pm 0.43$ )
PO	14.9	15.8	15.2	15.3
PI	15.5	14.9	14.8	15.1
	C	W		
		( $\pm 0.60$ )		
PO	15.3	15.3		
PI	15.0	15.2		

Mean D.M. %: 20.8

67/C/6.5

DRY MATTER  
TOTAL OF 3 CUTS

	NO	N1	N2	Mean
Mean ( $\pm 2.84$ )	66.4	72.2	70.2	69.6
C	66.8	( $\pm 4.02$ ) 69.9	68.1	( $\pm 2.32$ ) 68.3
W	65.9	74.5	72.3	70.9
PO	70.1	( $\pm 4.02$ ) 77.8	76.5	( $\pm 2.32$ ) 74.8
Pl	62.6	66.6	63.9	64.4
	C	W		
PO	74.6	( $\pm 3.28$ ) 75.1		
Pl	62.0	66.7		

Mean D.M. %: 18.6