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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

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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 (± 1.14)	27.0	30.2	30.6	29.3
		(± 1.61)		(± 0.93)
C	27.2	29.8	29.5	28.9
W	26.7	30.6	31.7	29.7
		(± 1.61)		(± 0.93)
PO	30.6	34.0	35.8	33.5
PI	23.3	26.4	25.4	25.0
	C	W		
		(± 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 (± 1.43)	24.2	26.6	24.6	25.1
		(± 2.02)		(± 1.16)
C	24.2	25.1	23.5	24.3
W	24.2	28.1	25.7	26.0
		(± 2.02)		(± 1.16)
PO	24.6	28.0	25.5	26.0
P1	23.8	25.2	23.7	24.2
	C	W		
		(± 1.65)		
PO	25.6	26.4		
P1	22.9	25.6		

Mean D.M. %: 18.4

67/C/6.4

DRY MATTER

3RD CUT

	NO	N1	N2	Mean
Mean (± 0.52)	15.2	15.4	15.0	15.2
		(± 0.74)		(± 0.43)
C	15.4	14.9	15.1	15.1
W	15.0	15.8	14.9	15.2
		(± 0.74)		(± 0.43)
PO	14.9	15.8	15.2	15.3
PI	15.5	14.9	14.8	15.1
	C	W		
		(± 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 (± 2.84)	66.4	72.2	70.2	69.6
C	66.8	(± 4.02) 69.9	68.1	(± 2.32) 68.3
W	65.9	74.5	72.3	70.9
PO	70.1	(± 4.02) 77.8	76.5	(± 2.32) 74.8
PI	62.6	66.6	63.9	64.4
	C	W		
PO	74.6	(± 3.28) 75.1		
PI	62.0	66.7		

Mean D.M. %: 18.6