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Yields of the Field Experiments 1965

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65/R/AZ/C/12 Row Spacing N and Paraquat - Lucerne 2nd Year

Rothamsted Research

Rothamsted Research (1966) *65/R/AZ/C/12 Row Spacing N and Paraquat - Lucerne 2nd Year* ; Yields Of The Field Experiments 1965, pp 153 - 157 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/C/12.1

LUCERNE

(AZ)

Row spacing, N and paraquat, Long Hoos VII, 1965.

For treatments, etc. and the previous year's results see 'Results' 64/C/13. 'Nitro-Chalk' is applied as a top-dressing at the same rates as in 1964 and on the same plots.

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

Cultivations, etc.: Pl treatment sprayed with paraquat at 2 lb ion in 44 gals: Feb 20, 1965. Basal PK compound and 'Nitro-Chalk' applied: Mar 12. Cut 3 times: June 2, July 19, Oct 4. PK applied after first 2 cuts.

Standard errors per plot. Dry matter:

1st cut:	3.08	or	7.3%	(33 d.f.)
2nd cut:	1.46	or	4.5%	(33 d.f.)
3rd cut:	1.68	or	7.0%	(33 d.f.)
Total of 3 cuts:	3.81	or	3.9%	(33 d.f.)

65/C/12.2

SUMMARY OF RESULTS

DRY MATTER

	NO	N1	N2	Mean
1ST CUT				
		(±1.09)		(±0.63)
C	42.8	45.6	43.6	44.0
W	40.1	42.8	39.3	40.7
Mean (±0.77)	41.4	44.2	41.4	42.3
		(±1.09)		(±0.63)
PO	43.7	45.1	43.9	44.2
PI	39.2	43.2	39.0	40.5
	C	W		
		(±0.89)		
PO	45.6	42.8		
PI	42.3	38.6		

Mean D.M.%: 16.2

65/c/12.3

DRY MATTER				
	NO	N1	N2	Mean
2ND CUT				
		(±0.52)		(±0.30)
C	32.6	33.2	32.7	32.8
W	31.1	32.1	32.1	31.8
Mean (±0.36)	31.8	32.6	32.4	32.3
		(±0.52)		(±0.30)
FO	31.9	32.8	32.2	32.3
FI	31.8	32.5	32.6	32.3
	C	W		
		(±0.42)		
FO	33.1	31.4		
FI	32.5	32.2		

Mean D.M. %: 17.7

65/C/12.4

DRY MATTER

	NO	N1	N2	Mean
3RD CUT				
		(±0.59)		(±0.34)
C	24.2	24.6	24.1	24.3
W	23.8	23.8	23.6	23.7
Mean (±0.42)	24.0	24.2	23.9	24.0
(±0.59) (±0.34)				
FO	24.4	24.6	22.9	24.0
FI	23.6	23.8	24.8	24.1
	C	W		
	(±0.48)			
FO	24.6	23.3		
FI	24.0	24.2		

Mean D.M. %: 20.4

65/C/12.5

DRY MATTER

	NO	N1	N2	Mean
TOTAL OF 3 CUTS				
		(±1.35)		(±0.78)
C	99.5	103.3	100.4	101.1
W	95.0	98.7	95.0	96.3
Mean (±0.95)	97.3	101.0	97.7	98.7
		(±1.35)		(±0.78)
FO	99.9	102.5	99.0	100.5
PI	94.6	99.6	96.4	96.8
	C	W		
		(±1.10)		
FO	103.4	97.6		
PI	98.7	95.0		

Mean D.M. %: 18.1