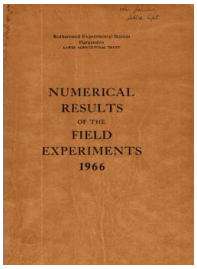
This work is licensed under a Creative Commons Attribution 4.0 International License.

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readible, or you suspect there are some problems, please let us know and we will correct that.

ROTHAMSTED RESEARCH

Yields of the Field Experiments 1966

Full Table of Content



66/R/PGM/C/13 N P K - Old Grass (Park Grass Plot 5 Microplots)

Rothamsted Research

Rothamsted Research (1967) *66/R/PGM/C/13 N P K - Old Grass (Park Grass Plot 5 Microplots) ;* Yields Of The Field Experiments 1966, pp 165 - 173 **- DOI: https://doi.org/10.23637/ERADOC-1-158**

This work is licensed under a Creative Commons Attribution 4.0 International License.

66/C/13.3

PLOT 5/1: DRY MATTER

2ND CUT

Excluding K1 and K6 plots

	P0	P1	P2	P4	Mean
Mean (±1.42)	16.7	21.3	26.1	28.3	23.1
			(±2.84)		(±1.42)
K0	10.3	18.1	20.8	23.0	18.0
K2	18.1	21.2	30.5	29.1	24.7
K4	20.6	25.2	26.1	29.0	25.2
K8	18.0	20.7	27.0	32.1	24.5
			(±2.01)		(±1.00)
N1	17.9	20.7	24.5	26.7	22.4
N2	15.6	21.8	27.8	29.9	23.8

	K0	K2	K4	K8
			(±2.01)	
N1	18.6	23.1	23.8	24.2
N2	17.4	26.3	26.6	24.8

K1* and K6* plots

	K1	K6	Mean
	(±2.84)		(±2.01)
N1	18.0	19.1	18.5
N2	18.5	18.0	18.2
Mean (±2.01)	18.2	18.5	18.4

* Applied 1965

General mean: 22.2

Mean D.M. %: 21.5

https://doi.org/10.23637/ERADOC-1-158

This work is licensed under a Creative Commons Attribution 4.0 International License.

66/C/13.4

PLOT 5/1: DRY MATTER

3RD CUT

Excluding K1 and K6 plots

	P0	P1	P2	P4	Mean
Mean (±0.86)	18.0	22.5	24.0	26.2	22.7
			(±1.72)		(±0.86)
K0	16.6	21.8	22.8	20.2	20.4
K2	17.9	23.8	22.4	26.7	22.7
K4	18.4	21.6	24.8	29.0	23.4
K8	19.2	22.8	26.2	28.9	24.3
			(±1.22)		(±0.61)
N1	17.3	21.8	22.7	26.6	22.1
N2	18.7	23.3	25.4	25.9	23.3

	K0	K2	K4	K3
			(±1.22)	
N1	19.4	22.9	23.3	22.7
N2	21.3	22.5	23.6	25.9

K1* and K6* plots

	K1	K6	Mean
	(±1.72)		(±1.22)
N1	16.4	19.8	18.1
N2	18.7	22.4	20.6
Mean (±1.22)	17.6	21.1	19.4

* Applied 1965

General mean: 22.0

Mean D.M. %: 19.5

https://doi.org/10.23637/ERADOC-1-158

This work is licensed under a Creative Commons Attribution 4.0 International License.

66/C/13.5

PLOT 5/1: DRY MATTER

TOTAL OF 3 CUTS

Excluding K1 and K6 plots

	P0	P1	P2	P4	Mean
Mean (±2.23)	41.1	64.2	72.6	77.4	63.8
			(±4.46)		(±2.23)
K0	33.1	59.5	63.2	63.2	54.8
K2	43.9	65.5	77.1	78.9	66.4
K4	44.8	69.4	75.1	82.7	68.0
K8	42.4	62.4	74.9	84.8	66.2
			(±3.16)		(±1.58)
N1	42.7	61.7	66.3	73.4	61.0
N2	39.4	66.8	78.9	81.4	66.6

	K0	K2	K4	K8
			(±3.16)	
N1	53.8	63.5	63.3	63.4
N2	55.7	69.2	72.7	68.9

K1* and K6* plots

	K1	K6	Mean
	(±4.46)		(±3.16)
N1	49.4	56.7	53.0
N2	53.7	55.1	54.4
Mean (±3.16)	51.5	55.9	53.7

* Applied 1965

General mean: 61.8

Mean D.M. %: 21.1

https://doi.org/10.23637/ERADOC-1-158

This work is licensed under a Creative Commons Attribution 4.0 International License.

66/C/13.6

PLOT 5/2: DRY MATTER

1ST CUT

Excluding K1 and K6 plots

	P0	P1	P2	P4	Mean
Mean (±1.10)	35.5	33.9	39.0	33.6	35.5
			(±2.19)		(±1.10)
K0	34.4	32.9	34.5	34.7	34.1
K2	36.4	32.5	37.5	34.5	35.2
K4	35.2	36.5	43.2	32.0	36.7
K8	36.0	33.5	41.0	33.0	35.9
			(±1.55)		(±0.78)
N1	29.1	24.8	28.4	24.4	26.7
N2	41.8	42.9	49.7	42.7	44.3

	K0	K2	K4	K8
			(±1.55)	
N1	26.1	28.4	26.8	25.4
N2	42.1	42.0	46.7	46.3

K1* and K6* plots

	K1	K6	Mean
	(±2.19)		(±1.55)
N1	26.5	29.4	28.0
N2	37.2	38.5	37.8
Mean (±1.55)	31.8	33.9	32.9

* Applied 1965

General mean: 35.0

Mean D.M. %: 19.1

https://doi.org/10.23637/ERADOC-1-158

This work is licensed under a Creative Commons Attribution 4.0 International License.

66/C/13.7

PLOT 5/2: DRY MATTER

2ND CUT

Excluding K1 and K6 plots

	P0	P1	P2	P4	Mean
Mean (±1.01)	28.3	27.1	26.1	29.3	27.7
			(±2.03)		(±1.01)
K0	27.7	28.4	31.6	26.5	28.5
K2	29.2	26.4	26.7	32.8	28.8
K4	27.6	25.4	24.2	27.5	26.2
K8	28.6	28.4	22.0	30.4	27.4
			(±1.43)		(±0.72)
N1	28.3	25.9	27.8	27.5	27.4
N2	28.2	28.4	24.5	31.1	28.0

	K0	K2	K4	K8
			(±1.43)	
N1	27.4	29.1	26.4	26.8
N2	29.7	28.5	26.0	27.9

K1* and K6* plots

	K1	K6	Mean
	(±2.03)		(±1.43)
N1	26.5	29.3	27.9
N2	33.7	33.1	33.4
Mean (±1.43)	30.1	31.2	30.7

* Applied 1965

General mean: 28.3

Mean D.M. %: 20.7

This work is licensed under a Creative Commons Attribution 4.0 International License.

66/C/13.8

PLOT 5/2: DRY MATTER

3RD CUT

Excluding K1 and K6 plots

	P0	P1	P2	P4	Mean
Mean (±0.78)	27.5	26.6	27.1	29.0	27.6
			(±1.57)		(±0.78)
K0	26.0	27.5	26.8	27.6	27.0
K2	27.8	26.8	29.1	30.2	28.5
K4	28.4	25.1	28.1	28.1	27.4
K8	27.7	27.2	24.5	30.1	27.4
			(±1.11)		(±0.56)
N1	27.1	23.7	25.7	25.3	25.5
N2	27.8	29.5	28.6	32.7	29.7

	K0	K2	K4	K8
			(±1.11)	
N1	25.6	27.1	2.8	24.3
N2	28.3	29.8	30.0	30.5

K1* and K6* plots

	K1	K6	Mean
	(±1.57)		(±1.11)
N1	26.8	27.2	27.0
N2	30.5	32.1	31.3
Mean (±1.11)	28.6	29.7	29.1

* Applied 1965

General mean: 27.9

Mean D.M. %: 16.3

https://doi.org/10.23637/ERADOC-1-158

This work is licensed under a Creative Commons Attribution 4.0 International License.

66/C/13.9

PLOT 5/2: DRY MATTER

TOTAL OF 3 CUTS

Excluding K1 and K6 plots

	P0	P1	P2	P4	Mean
Mean (±2.17)	91.2	87.6	92.3	91.9	90.8
			(±4.33)		(±2.17)
K0	88.1	88.7	92.8	88.8	89.6
K2	93.3	85.7	93.3	97.6	92.5
K4	91.2	87.0	95.4	87.7	90.3
K8	92.3	89.1	87.6	93.6	90.6
			(±3.06)		(±1.53)
N1	84.5	74.5	81.9	77.2	79.5
N2	97.9	100.8	102.7	106.6	102.0

	K0	K2	K4	K8
			(±3.06)	
N1	79.0	84.6	78.0	76.5
N2	100.2	100.3	102.7	104.7

K1* and K6* plots

	K1	K6	Mean
	(±4.33)		(±3.06)
N1	79.7	85.9	82.8
N2	101.3	103.7	102.5
Mean (±3.06)	90.5	94.8	92.7

* Applied 1965

General mean: 91.1

Mean D.M. %: 18.7

https://doi.org/10.23637/ERADOC-1-158

This work is licensed under a Creative Commons Attribution 4.0 International License.

This work is licensed under a Creative Commons Attribution 4.0 International License.

66/C/14.1

PARK GRASS MICROPLOTS

(PGM 41-80)

Plot 6, 1966, the second year

For details of treatments etc., and for previous year's results see 'Results' 65/C/33.

Cultivations, etc.: P, K, Na and Mg fertilisers applied: Dec 16, 1965. 'Nitro-Chalk' applied: Mar 7, 1966. Mecoprop treatment applied at 45 oz a.e. in 50 gals: First spraying: Apr 26, second spraying at same rate: July 28. Cut: May 4, June 1, July 8, Aug 1, Sept 8, Oct 7. 'Nitro-Chalk' applied after every cut except the last.

Standard error per plot.
Dry matter, total of all cuts: 4.09 or 5.5% (27 d.f.)

https://doi.org/10.23637/ERADOC-1-158