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# Numerical Results of the Field Experiments 1968

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## 68/B/1 Rothamsted Ley and Arable Rotations

### Rothamsted Research

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68/B/1.1

## LEY AND ARABLE ROTATIONS

(HLA and FLA)

Highfield and Fosters Field 1968, the 20th year.

For details of treatments, rotations, etc. see 'Details' and 'Results' 63/B/1, 64/B/1, 65/B/1, 66/B/1 and 67/B/1.

Revised cropping: From 1968 the sequence of test crops has been changed to potatoes, winter wheat, barley. This new sequence started on blocks 6 and 7 (Highfield) and blocks 8 and 9 (Fosters). Apart from blocks 1 - 4 on each field, which are retained in the three year cycles of treatment and test crops, no further treatment sequences will be started. After three test crops, blocks will be sown to winter wheat each year. This scheme started on blocks 5 and 8 (Highfield) and blocks 5 and 7 (Fosters). Apart from blocks 1 - 4 on each field, old and reseeded grass is now ploughed up for test cropping as blocks enter either 1st or 4th test crop phase.

Manures to 1st test crop, potatoes:-

N to 1/8th plots: None (NO), 0.6 (N1), 1.2 (N2), 1.8 (N3) cwt as 'Nitro-Chalk' shortly before planting.

P205 to 1/16th plots (in cwt):

Sub plots without FYM (F): 1.95 (P0) v 2.85 (P1)

Sub plots with FYM (D): 1.50 (P0) v 2.40 (P1)

NOTE: In 1968 because of an excess application to Fosters Field the rates were revised for both fields as follows:

F sub plots: 2.85 (P0) v 3.75 (P1)

D sub plots: 2.40 (P0) v 3.30 (P1)

K20 to 1/16th plots (in cwt):

Sub plots without FYM (F): 1.80 (K0) v 2.70 (K1)

Sub plots with FYM (D): 0.90 (K0) v 1.80 (K1)

FYM to 1/4 plots: None (F) v 12 tons (D) applied on the plough furrow and rotary cultivated in. No FYM is applied to the R and G plots coming into potatoes in 1968 and 1969, these plots being treated as F plots.

P and K are applied as superphosphate and muriate of potash except the 'dung equivalent' P and K (0.45 cwt P205 and 0.90 K20) which is compound fertiliser (0:14:28). All are applied on the plough furrow and rotary cultivated in.

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Corrective K dressings to 1st test crop potatoes designed to bring the K levels on both fields to that of the Fosters LC plots, were ploughed in as muriate of potash in autumn 1967 as follows (in cwt):-

Rotation	Fosters	Highfield
AH	5.5	6.7
Lu	3.8	4.8
LC	None	0.6
LN	2.9	4.4
RC	None	None
RN	3.5	3.5
GC	None	None
GN	None	3.5

NPK dressings to 4th test crop, winter wheat:-

Basal dressing: 0.9 cwt P2O<sub>5</sub>, 0.9 cwt K<sub>2</sub>O as compound fertiliser (0:20:20) half combine drilled, half by hand.

Test nitrogen to 1/8th plots:

Highfield (all rotations): 0.3 (N1), 0.6 (N2), 0.9 (N3), 1.2 (N4) cwt N as 'Nitro-Chalk' in spring.

Fosters (all rotations): 0.4 (N1), 0.8 (N2), 1.2 (N3), 1.6 (N4) cwt N as 'Nitro-Chalk' in spring.

Varieties:

Potatoes, 1st Test Crop: King Edward

2nd Test Crop: Majestic

Barley, 3rd Test Crop: Maris Badger

Winter wheat, 4th Test Crop: Cappelle

Sugar Beet, 2nd Treatment Crop: Klein E

Oats, 3rd Treatment Crop: Manod

NOTE: Highfield: The fourth test crop wheat was severely attacked by take-all (*Ophiobolus graminis*) on both blocks, especially wheat after lucerne and arable rotations. The wheat on the 2 plots ploughed in autumn 1967 from old grass was badly damaged by wireworms (*Agriotes* spp.), wheat flea beetle larvae (genus *Phyllotreta*), and unidentified stem boring larvae.

#### HIGHFIELD

2nd year Treatment Crops:

All-grass ley: Basal PK compound applied: 20 Nov, 1967. NK compound applied: 28 Mar, 1968. Cut four times: 23 May, 26 June, 12 Aug, 25 Oct. NK compound applied after first three cuts.

Clover-grass ley: Basal PK compound applied: 20 Nov, 1967. Muriate of potash applied: 29 Mar, 1968. Cut four times: 24 May, 26 June, 12 Aug, 25 Oct. Muriate of potash applied after first three cuts.

Lucerne: Basal PK compound applied: 20 Nov, 1967. Sprayed with paraquat at 2 lb ion in 37 gals: 22 Jan, 1968. Cut four times: 30 May, 4 July, 29 Aug, 28 Oct.



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Sugar beet: Ploughed: 25 July, 1967. Ploughed second time: 18 Sept. Muriate of potash applied: 4 Jan, 1968. Basal NPK compound applied: 11 Mar. 'Nitro-Chalk' applied: 27 Mar. Seed drilled at 8 lb: 29 Mar. Singled: 21 May. Sprayed with demeton-s-metyl at 7 oz in 37 gals: 12 June, Lifted: 12 Dec.

3rd year Treatment Crops:

All-grass ley: Basal PK compound applied: 20 Nov, 1967. NK compound applied: 28 Mar, 1968. Cut four times: 23 May, 26 June, 12 Aug, 25 Oct. NK compound applied after first three cuts.

Clover-grass ley: Basal PK compound applied: 20 Nov, 1967. Muriate of potash applied: 29 Mar, 1968. Cut four times: 23 May, 26 June, 12 Aug, 25 Oct. Muriate of potash applied after first three cuts.

Lucerne: Basal PK compound applied: 20 Nov, 1967. Sprayed with paraquat at 2 lb ion in 37 gals: 22 Jan, 1968, at 0.9 lb ion in 37 gals: 12 July, at 0.75 lb ion in 20 gals: 10 Sept. Cut three times: 30 May, 4 July, 29 Aug.

Oats: Ploughed: 22 Nov, 1967. Seed combine drilled at 160 lb: 8 Mar, 1968. 'Nitro-Chalk' applied: 14 Mar. Combine harvested: 23 Aug.

1st Test Crop, Potatoes:-

Corrective K applied: 14 Nov, 1967. Ploughed: 20 Nov. All fertilizers applied: 1 - 10 Apr, 1968. FYM applied: 16 Apr. All plots following reseeded and permanent grass sprayed with aldrin at 3 lb in 37 gals, all plots rotary cultivated, potatoes machine planted: 17 Apr. Sprayed with paraquat at 0.5 lb ion plus linuron at 0.75 lb in 40 gals: 6 May. Grubbed: 6 June. Rotary ridged: 7 June. Sprayed with mancozeb three times at 1.2 lb in 37 gals, the second time including demeton-s-methyl at 3.5 oz: 3 July, 19 July, 5 Aug. Sprayed with undiluted BOV at 15 gals: 30 Aug. Lifted: 24 Sept.

2nd Test Crop, Potatoes:-

FYM applied: 30 Oct, 1967. Ploughed: 31 Oct. NPK fertilisers applied: 4 - 9 Apr, 1968. Rotary cultivated, potatoes machine planted: 10 Apr. Sprayed with paraquat at 0.38 lb ion plus linuron at 0.75 lb in 33 gals: 3 May. Grubbed: 6 June. Rotary ridged: 12 June. Sprayed with mancozeb three times at 1.2 lb in 37 gals, the second time including demeton-s-methyl at 3.5 oz: 3 July, 19 July, 5 Aug. Sprayed with undiluted BOV at 15 gals: 30 Aug. Lifted: 25 Sept.



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3rd Test Crop, Barley:-

Ground chalk applied, plots ploughed: 29 Sept, 1967. Seed combine drilled at 140 lb: 27 Feb, 1968. 'Nitro-Chalk' applied: 14 Mar. Sprayed with mecoprop at 42 oz and 2,4-D at 10.5 oz in 40 gals: 2 May. Combine harvested: 21 Aug.

4th Test Crop, Wheat:-

Ploughed: 30 Sept, 1967. Seed combine drilled at 180 lb: 23 Oct. Remaining half of basal PK compound applied by hand: 4 Dec. 'Nitro-Chalk' applied: 17 - 23 Apr, 1968. Sprayed with mecoprop at 42 oz and 2,4-D at 10.5 oz in 40 gals: 2 May. Combine harvested: 24 Aug.

Permanent grasses: 18th and 20th experimental years permanent (old) grass, blocks 1, 2, 4, 9, 10, 11, 12, 18th and 20th years reseeded grass, blocks 1, 4, 9 and 12. Ground chalk applied to blocks 9 and 12: 29 Sept, 1967. Basal PK compound applied: 20 Nov. NK compound applied to 'all grass' half plots, muriate of potash to 'clover grass' half plots: 28 Mar, 1968. Cut five times (except blocks 9 and 12 four times): 23 May, 26 June, 12 Aug, 5 Sept and (except blocks 9 and 12) 25 Oct. NK compound and muriate of potash applied to appropriate half plots after each cut except the last (4 and 3 applications respectively).

FOSTERS

2nd year Treatment Crops:-

All-grass ley: Basal PK compound applied: 20 Nov, 1967. NK compound applied: 28 Mar, 1968. Cut four times: 23 May, 1 July, 12 Aug, 25 Oct. NK compound applied after first three cuts.

Clover-grass ley: Basal PK compound applied: 20 Nov, 1967. Muriate of potash applied: 28 Mar, 1968. Cut four times: 23 May, 1 July, 12 Aug, 25 Oct. Muriate of potash applied after first three cuts.

Lucerne: Basal PK compound applied: 20 Nov, 1967. Sprayed with paraquat at 2 lb ion in 37 gals: 22 Jan, 1968. Cut four times: 30 May, 4 July, 30 Aug, 28 Oct.

Sugar beet: Ploughed: 25 July, 1967. Ploughed second time: 18 Sept. Muriate of potash applied: 4 Jan, 1968. Basal NPK compound applied: 11 Mar. 'Nitro-Chalk' applied: 27 Mar. Seed drilled at 8 lb: 29 Mar. Singled: 23 May - 4 June. Sprayed with demeton-s-methyl at 7 oz in 37 gals: 12 June. Lifted: 12 Dec.

3rd year Treatment Crops:-

All-grass ley: Basal PK compound applied: 20 Nov, 1967. NK compound applied: 28 Mar, 1968. Cut four times: 23 May, 1 July, 12 Aug, 25 Oct. NK compound applied after first three cuts.



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Clover-grass ley: Basal PK compound applied: 20 Nov, 1967. Muriate of potash applied: 28 Mar, 1968. Cut four times: 23 May, 1 July, 12 Aug, 25 Oct. Muriate of potash applied after first three cuts.

Lucerne: Basal PK compound applied: 20 Nov, 1967. Sprayed with paraquat at 2 lb ion in 37 gals: 22 Jan, 1968, at 0.9 lb ion in 37 gals: 9 July, at 0.75 lb ion in 20 gals: 30 Aug. Cut three times: 30 May, 4 July, 30 Aug.

Oats: Ploughed: 22 Nov, 1967. Seed combine drilled at 160 lb: 8 Mar, 1968. 'Nitro-Chalk' applied: 14 Mar. Combine harvested: 24 Aug.

#### 1st Test Crop, Potatoes:-

Corrective K applied: 14 Nov, 1967. Ploughed: 17 Nov. Superphosphate and muriate of potash applied: 1 Apr, 1968. Superphosphate applied: 4 Apr. Dung equivalent PK compound, 'Nitro-Chalk', superphosphate and muriate of potash applied: 10 Apr. FYM applied, rotary cultivated, potatoes machine planted: 16 Apr. Sprayed with paraquat at 0.5 lb ion plus linuron at 0.75 lb in 40 gals: 6 May. Grubbed: 6 June. Rotary ridged: 7 June. Sprayed with mancozeb three times at 1.2 lb in 37 gals, the second time including demeton-s-methyl at 3.5 oz: 3 July, 19 July, 5 Aug. Sprayed with undiluted BOV at 15 gals: 30 Aug. Lifted: 24 Sept.

NOTE: Aldrin was not applied on Fosters.

#### 2nd Test Crop, Potatoes:-

FYM applied, plots ploughed: 30 Oct, 1967. NPK fertilisers applied: 4 - 9 Apr, 1968. Rotary cultivated, potatoes machine planted: 10 Apr. Sprayed with paraquat at 0.38 lb ion plus linuron at 0.75 lb in 33 gals: 3 May. Grubbed: 6 June. Rotary ridged: 12 June. Sprayed with mancozeb three times at 1.2 lb in 37 gals, the second time including demeton-s-methyl at 3.5 oz: 3 July, 19 July, 5 Aug. Sprayed with undiluted BOV at 15 gals: 30 Aug. Lifted: 27 Sept.

#### 3rd Test Crop, Barley:-

Ploughed: 25 Sept, 1967. Seed combine drilled at 140 lb: 27 Feb, 1968. 'Nitro-Chalk' applied: 14 Mar. Sprayed with mecoprop at 42 oz and 2,4-D at 10.5 oz in 40 gals: 2 May. Combine harvested: 21 Aug.

#### 4th Test Crop, Wheat:-

Ploughed: 18 Sept, 1967. Seed combine drilled at 180 lb: 19 Oct. Remaining half of basal PK compound applied by hand: 4 Dec. 'Nitro-Chalk' applied: 17 Apr. Sprayed with mecoprop at 42 oz and 2,4-D at 10.5 oz in 40 gals: 2 May. Combine harvested: 24 Aug.

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**Permanent grasses:-**

18th and 20th year reseeded grass, blocks 1, 3, 6 and 11. Basal PK compound applied: 20 Nov, 1967. NK compound applied to 'all-grass' half plots and muriate of potash to 'clover-grass' half plots: 28 Mar, 1968. Cut five times: 23 May, 26 June, 12 Aug, 5 Sept, 25 Oct. NK compound and muriate of potash applied to appropriate half plots after each cut except the last. (N.B. Plots on blocks 6 and 11 were ploughed up before the fifth cut was taken).

**Standard errors per plot.**

Potatoes: 2nd Test Crop. Total tubers:

Highfield: Sub plot: 1.137 or 6.9% (12 d.f.)

Fosters: Sub plot: 0.853 or 5.6% (12 d.f.)



68/B/1.7

SUMMARY OF RESULTS  
WHEAT 4TH TEST CROP  
1962 - 1964

	Lu	LC	LN	AH	R	Mean	G
GRAIN							
HIGHFIELD							
Mean	24.6	34.0	33.8	28.6	35.6	31.3	25.2
1968							
NO	21.1	36.6	34.8	25.0	37.4	31.0	24.3
N1	24.2	33.4	34.3	28.8	36.7	31.5	27.4
N2	26.5	32.9	33.0	29.8	34.5	31.3	23.2
N3	26.5	33.0	33.1	30.9	33.7	31.5	25.8
1966							
F	25.6	32.6	34.6	30.2	35.3	31.7	
D	23.6	35.3	33.0	27.0	35.8	31.0	
General mean:	30.5						
General mean D.M. %:	84.3						

	Lu	LC	LN	AH	R	Mean	G
FOSTERS							
Mean	40.4	39.7	40.0	37.9	40.3	39.7	
1968							
NO	38.9	42.3	41.0	37.9	43.1	40.6	
N1	42.4	40.3	43.3	39.5	41.7	41.4	
N2	41.1	40.6	37.0	38.0	38.7	39.1	
N3	39.2	35.5	38.8	36.0	37.8	37.5	
1966							
F	39.8	40.7	39.6	38.5	40.3	39.8	
D	41.1	38.7	40.4	37.2	40.3	39.5	
Mean D.M. %:	82.9						



68/B/1.8

POTATOES 1ST TEST CROP. TOTAL TUBERS

1965 - 1967

HIGHFIELD

	Lu	LC	LN	AH	Mean	FC	RN	GC	GN	Mean
Mean	18.83	18.50	18.85	19.72	18.98	20.28	20.65	20.64	19.21	20.20
F	18.93	18.79	19.02	18.88	18.90					
D	18.72	18.21	18.69	20.57	19.05					
N0	19.89	19.65	19.72	16.43	18.92	21.93	22.19	20.92	22.73	21.94
N1	20.16	18.90	18.88	20.27	19.55	21.41	21.11	21.46	17.76	20.44
N2	17.72	18.06	18.53	20.91	18.81	19.45	21.65	21.46	19.12	20.42
N3	17.54	17.41	18.28	21.28	18.63	18.32	17.66	18.73	17.24	17.99
P0*	19.00	18.93	18.78	19.87	19.14	20.01	21.22	20.67	18.84	20.18
P1*	18.65	18.07	18.93	19.58	18.81	20.54	20.09	20.62	19.59	20.21
K0*	18.61	18.82	19.10	19.72	19.06	20.17	20.91	20.89	19.19	20.29
K1*	19.04	18.18	18.61	19.72	18.89	20.38	20.39	20.40	19.24	20.10

\* In addition to basal

68/B/1.9

POTATOES 1ST TEST CROP. % WARE

1965 - 1967

HIGHFIELD

	Lu	LC	LN	AH	Mean	RC	RN	GC	GN	Mean
Mean	92.8	93.7	92.7	92.1	92.8	92.4	91.9	91.8	92.2	92.1
F	93.0	93.8	93.0	92.2	93.0					
D	92.6	93.6	92.4	91.9	92.6					
N0	92.9	94.0	92.3	88.7	92.0	92.1	92.7	90.9	93.4	92.3
N1	93.3	93.8	92.7	92.6	93.1	92.9	92.4	92.4	92.4	92.5
N2	92.8	93.8	92.9	93.7	93.3	92.4	91.0	92.2	92.4	92.0
N3	92.1	93.2	92.8	93.3	92.9	92.2	91.6	91.6	90.6	91.5
P0*	92.8	93.9	92.8	92.1	92.9	92.4	92.4	92.0	92.6	92.4
P1*	92.8	93.5	92.5	92.0	92.7	92.4	91.3	91.6	91.7	91.8
K0*	92.6	94.1	92.5	92.6	93.0	93.1	91.9	91.9	92.3	92.3
K1*	93.0	93.3	92.8	91.6	92.7	91.7	91.9	91.6	92.1	91.8

\* In addition to basal



68/B/1.10

POTATOES 1ST TEST CROP. TOTAL TUBERS

1965 - 1967

FOSTERS

	Lu	LC	LN	AH	Mean	RC	RN	Mean
Mean	18.74	19.44	20.31	18.13	19.15	19.22	20.21	19.71
F	18.98	18.37	19.92	17.21	18.62			
D	18.49	20.50	20.71	19.04	19.69			
N0	18.06	19.36	19.78	14.03	17.81	21.03	22.09	21.56
N1	19.91	19.95	20.82	18.35	19.76	19.53	20.23	19.88
N2	18.60	20.28	20.53	20.03	19.86	18.89	20.33	19.61
N3	18.38	18.16	20.12	20.11	19.19	17.41	18.18	17.80
PO*	18.54	19.49	20.51	18.12	19.16	19.23	20.12	19.68
P1*	18.93	19.39	20.12	18.13	19.14	19.20	20.29	19.75
KO*	18.65	19.50	20.56	18.44	19.29	19.89	20.26	20.08
K1*	18.82	19.37	20.07	17.81	19.02	18.54	20.15	19.35

\* In addition to basal

68/B/1.11

POTATOES 1ST TEST CROP. % WARE

1965 - 1967

FOSTERS

	Lu	LC	LN	AH	Mean	RC	RN	Mean
Mean	93.0	94.3	93.3	92.2	93.2	92.5	93.0	92.8
F	93.2	94.6	93.4	91.8	93.3			
D	92.8	94.0	93.2	92.6	93.2			
NO	93.5	94.6	93.4	88.2	92.4	93.5	93.3	93.4
N1	93.1	94.1	93.2	92.8	93.3	93.6	93.7	93.6
N2	93.3	94.9	93.1	93.7	93.7	92.1	93.2	92.6
N3	92.2	93.8	93.6	94.2	93.4	91.0	92.1	91.5
PO*	92.9	93.9	93.2	92.4	93.1	92.1	92.7	92.4
P1*	93.1	94.8	93.5	92.0	93.3	92.9	93.3	93.1
KO*	93.0	94.4	93.6	92.4	93.3	92.2	93.1	92.6
K1*	93.0	94.3	93.0	92.0	93.1	92.9	93.0	92.9

\* In addition to basal



68/B/1.12

POTATOES 2ND TEST CROP. TOTAL TUBERS

1964 - 1966

	Lu	LC	LN	AH	Mean
HIGHFIELD					
Mean	16.68	16.11	16.78	16.16	16.43
		(±0.568)			(±0.284)
F	16.87	15.92	15.96	15.92	16.17
D	16.49	16.31	17.60	16.40	16.70
To wheat 1967		(±0.568)*			(±0.284)
NO2	15.89	15.81	16.65	15.82	16.04
N13	17.47	16.42	16.91	16.49	16.82
FOSTERS					
Mean	15.47	14.63	15.66	14.85	15.15
		(±0.426)*			(±0.213)
F	15.19	15.15	15.49	14.19	15.01
D	15.76	14.12	15.83	15.50	15.30
To wheat 1967		(±0.426)*			(±0.213)
NO2	15.14	14.45	15.79	15.05	15.11
N13	15.81	14.81	15.52	14.64	15.20

\* For use in vertical and interaction comparisons

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POTATOES 2ND TEST CROP. % WARE

1964 - 1966

	Lu	LC	LN	AH	Mean
HIGHFIELD					
Mean	95.5	95.6	95.2	96.0	95.6
F	95.8	95.8	94.9	96.8	95.8
D	95.2	95.5	95.4	95.3	95.4
To wheat 1967					
NO2	95.3	95.8	95.0	96.6	95.7
N13	95.6	95.5	95.3	95.5	95.5
FOSTERS					
Mean	96.3	96.8	96.7	97.1	96.7
F	96.1	96.8	97.2	97.2	96.9
D	96.4	96.7	96.2	96.9	96.5
To wheat 1967					
NO2	96.2	96.4	96.7	97.4	96.7
N13	96.3	97.1	96.7	96.7	96.7



68/B/1.14

BARLEY 3RD TEST CROP

GRAIN

1963 - 1965

	Lu	LC	LN	AH	Mean
HIGHFIELD					
Mean	40.3	41.9	41.0	38.4	40.4
1968					
NO	37.2	41.2	40.8	34.1	38.3
N1	40.8	42.0	39.6	37.0	39.8
N2	41.5	43.4	41.4	41.1	41.9
N3	41.8	41.0	42.4	41.5	41.7
1967					
F	39.0	41.5	41.0	38.4	40.0
D	41.7	42.3	41.1	38.4	40.9
Excluding AH					
1968					
1967	NO	N1	N2	N3	Mean
F	38.4	39.8	41.1	42.6	40.5
D	41.0	41.8	43.1	40.9	41.7

Mean D.M. %: 83.2

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BARLEY 3RD TEST CROP

GRAIN

1963 - 1965

	Lu	LC	LN	AH	Mean
FOSTERS					
Mean	38.4	37.1	37.8	35.9	37.3
1968					
NO	32.7	34.4	33.3	28.9	32.3
N1	39.0	36.4	38.6	-	-
N2	41.1	40.0	39.4	37.4	39.5
N3	40.7	37.7	39.9	39.1	39.4
N4	-	-	-	38.1	-
1967					
F	37.8	36.9	36.8	35.3	36.7
D	39.0	37.4	38.7	36.4	37.9

Excluding AH

1968

1967	NO	N1	N2	N3	Mean
F	31.7	37.1	39.9	39.9	37.2
D	35.2	38.8	40.5	39.0	38.4

Mean D.M. %: 80.1

68/B/1.16

TREATMENT CROPS ARABLE AND HAY ROTATION

HIGHFIELD			FOSTERS		
AH	R	Mean	AH	R	Mean
SUGAR BEET					
ROOTS					
22.62	23.95	23.28	21.99	22.16	22.08
SUGAR %					
15.3	14.8	15.0	15.8	15.3	15.5
TOTAL SUGAR					
69.1	70.8	69.9	69.5	67.8	68.6
TOPS					
17.85	22.05	19.95	18.21	22.69	20.45
OATS					
GRAIN					
31.5	37.0	34.2	39.2	40.2	39.7

Mean D.M. %: Oats, grain: Highfield: 82.5  
 Fosters: 81.4



68/B/1.17

LUCERNE: DRY MATTER

	HIGHFIELD			FOSTERS		
	F	D	Mean	F	D	Mean
2nd year (4 cuts)	63.9	68.2	66.0	83.5	87.3	85.4
3rd year (3 cuts)	30.1	26.4	28.2	40.5	40.6	40.5

ALL-GRASS LEY: DRY MATTER

	HIGHFIELD			FOSTERS		
	F	D	Mean	F	D	Mean
2nd year (4 cuts)	100.9	99.0	99.9	101.5	100.3	100.9
3rd year (4 cuts)	94.9	97.0	96.0	103.2	109.7	106.4

CLOVER-GRASS LEY: DRY MATTER

	HIGHFIELD			FOSTERS		
	F	D	Mean	F	D	Mean
2nd year (4 cuts)	69.8	72.0	70.9	74.9	77.5	76.2
3rd year (4 cuts)	50.6	53.4	52.0	57.6	57.3	57.5

68/B/1.18

PERMANENT GRASS: DRY MATTER

	GC	GN	Mean
HIGHFIELD			
18th Exptl year Blocks 9 and 12	35.5	95.2	65.4
Blocks 10 and 11	38.8	109.3	74.0
20th Exptl year Blocks 1 and 4	41.2	102.6	71.9
Block 2	39.3	107.7	73.5

RESEDED GRASS: DRY MATTER

	HIGHFIELD			FOSTERS			
	RC	RN	Mean	RC	RN	Mean	
18th Exptl year Blocks 9 and 12	39.4	97.0	68.2	18th Exptl year Blocks 6 and 11	51.7	85.8	68.8
20th Exptl year Blocks 1 and 4	51.4	99.4	75.4	20th Exptl year Blocks 1 and 3	56.6	100.3	78.5

(GC, RC) Clover-grass management  
(GN, RN) All-grass management