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## Yields of the Field Experiments 1973

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### 73/R/RN/1&2 - Ley/ARABLE - Old Grass, Leys, Potatoes, Wheat

#### Rothamsted Research

Rothamsted Research (1974) *73/R/RN/1&2 - Ley/ARABLE - Old Grass, Leys, Potatoes, Wheat* ; Yields Of The Field Experiments 1973, pp 66 - 83 - DOI: <https://doi.org/10.23637/ERADOC-1-98>

73/R/RN/1 and 73/R/RN/2

LEY/ARABLE

Object: To study the effects of three-year leys on the fertility of the soil as measured by a sequence of three arable test crops. Since 1968, continuous wheat has been grown after the three test crops to study the build-up and decline of take-all (*Gaeumannomyces graminis*) after the different cropping sequences - Highfield and Fosters.

Sponsors: A.E. Johnston, D.E. Slope.

The 25th year, old grass, leys, potatoes, wheat.

For previous years see 'Details' 1967, 68/R/1(t), 69/R/RN/1&2(t), 70/R/RN/1&2(t), 71/R/RN/1&2(t) and 72/R/RN/1&2.

The experiment is duplicated on:-

A site with much organic matter initially (ploughed out from permanent grass)

HIGHFIELD

A site with little organic matter initially

FOSTERS

Treatments: The experiment originally tested four six-course rotations, with all phases present each year. In recent years these rotations were:-

ROTATION

| Treatment crops | Test crops |         |
|-----------------|------------|---------|
| LU, LU, LU,     | W, P, B    | Lucerne |
| LC, LC, LC,     | W, P, B    | GloGra  |
| LN, LN, LN,     | W, P, B    | Grass   |
| H, SB, O,       | W, P, B    | Arable  |

LU = lucerne, LC = clover/grass ley, no nitrogen fertiliser, LN = all grass ley with much nitrogen fertiliser, H = 1 year seeds hay, SB = sugar beet, O = oats, W = wheat, P = potatoes, B = barley.

In 1968 the order of test crops was changed to P, W, B except for those phases that had already started the sequence W, P, B.

On both fields in the first three years other plots were sown with longer-term reseeded grass

Reseeded

On Highfield plots of the old turf were left initially unploughed, for comparison with the three-year leys

OldGrass

73/R/RN/1 and 73/R/RN/2

In 1962 and 1963 some of the old and reseeded grass plots were divided for management identical to:-  
 Clover/grass ley C  
 All grass ley N

From 1963 (reseeded) and 1968 (old grass) some grass plots were ploughed and cropped with the same test crops as above there- after these plots followed the Arable rotation. In 1973 some of these plots were returned to reseeded grass.

From 1968 only two phases on each field have continued in the original six-course rotation. All other phases have been sown to wheat every year at the end of the test-crop cycle. In 1973:-

|  |         |
|--|---------|
| Wheat, 5th test crop, 4th cereal (P,W,B,W,W)         | CEREAL4 |
| Wheat, 6th test crop, 5th cereal (P,W,B,W,W,W)       | CEREAL5 |
| Wheat, 8th test crop, 6th cereal (W,P,B,W,W,W,W,W)   | CEREAL6 |
| Wheat, 9th test crop, 7th cereal (W,P,B,W,W,W,W,W,W) | CEREAL7 |

Treatments to wheat:-

|  |     |
|--|-----|
| Sub plots: Nitrogen fertiliser (kg N) in 1973: | N73 |
| 75   | 75  |
| 126  | 126 |
| 176  | 176 |
| 226  | 226 |

Treatments to potatoes:-

|  |          |
|--|----------|
| Sub plots: Farmyard manure residues, last applied 1968:- | FYMRES68 |
| None   | None     |
| 30 tonnes on each occasion                               | FYM      |

|   |     |
|---|-----|
| Sub sub plots: Nitrogen fertiliser (kg N):- | N73 |
| None  | 0   |
| 80  | 80  |
| 160   | 160 |
| 240   | 240 |

Seed: Wheat: Cappelle sown at 200 kg.

Potatoes: King Edward, Rothamsted once grown

Hay: Perennial ryegrass S24 (64% by weight), Late flowering

Red Clover S123 (29%), Canadian Alsike clover (7%),

Mixture sown at 31 kg.

73/R/RW/1 and 73/R/RW/2

All grass ley: Timothy S51 (45%), Meadow Fescue S215 (55%),  
Mixture sown at 34 kg.

Clover/grass ley and reseeded grass (1973): Timothy S51 (42%),  
Meadow Fescue S215 (50%), White Clover S100 (8%).  
Mixture sown at 37 kg.

Cultivations, etc. (Highfield and Fosters):-

1st year treatment crops:

All grass ley: Ploughed: 15 Sept, 1972. Reploughed: 14 Nov. PK  
applied: 21 Mar, 1973. Seed sown: 29 Mar. N applied: 30 Mar.  
Sprayed with benazolin, 2,4-DB and MCPA ('Legumex Extra' at  
7.0 l in 220 l): 31 May. Topped: 15 June. Cut once: 20 July.  
NK applied: 23 July.

Clover/grass ley: Ploughed: 15 Sept, 1972. Reploughed: 14 Nov.  
PK applied: 21 Mar, 1973. Seed sown: 28 Mar. Sprayed with  
benazolin, 2,4-DB and MCPA ('Legumex Extra' at 7.0 l in 220 l):  
31 May. Topped: 15 June. Cut twice: 20 July and 13 Sept. K  
applied: 23 July.

Lucerne: Ploughed: 15 Sept, 1972. Reploughed: 14 Nov. PK applied:  
21 Mar, 1973. Seed sown: 28 Mar. Sprayed with 2,4-DB and MCPA  
('Embutox' at 8.4 l in 220 l): 4 June. Topped: 15 June. Cut:  
30 July.

Hay: Ploughed: 15 Sept, 1972. PK applied: 18 Sept. Seed sown:  
21 Sept. N applied: 21 Feb, 1973. Cut twice: 22 May and  
26 June. NK applied after 1st cut.

1st Test Crop, Potatoes:

Ploughed: 14 Nov, 1972. PK applied: 6 Apr, 1973. N applied: 9 Apr.  
Rotary cultivated, potatoes planted: 10 Apr. Sprayed with linuron  
at 1.9 kg plus paraquat at 0.42 kg ion in 450 l: 12 May. Grubbed:  
7 June. Rotary ridged: 9 June. Sprayed with mancozeb at 1.35 kg  
plus demeton-s-methyl at 0.25 kg in 370 l: 2 July. Sprayed with  
mancozeb at 1.35 kg in 370 l: 18 July and 9 Aug. Haulm destroyed  
mechanically: 14 Sept. Sprayed with undiluted BOV at 220 l:  
20 Sept. Lifted: 26 Sept.

5th, 6th, 8th and 9th Test Crops. Wheat:

Ploughed: 15 Sept, 1972. Seed sown: 23 Oct. N applied, sprayed with  
dicamba, mecoprop and MCPA ('Tetrallex Plus' at 7.0 l in 220 l):  
16 Apr, 1973. Combine harvested: 18 Aug.

Permanent Grasses:

The 25th experimental year: PK applied: 17 Nov, 1972. NK applied to 'all-  
grass' half plots, K to 'clover/grass' half plots: 21 Feb, 1973.  
Cut 4 times: 22 May, 16 June, 8 Aug, 13 Sept. NK applied to  
'all-grass' half plots and K to clover/grass half plots after  
each cut except the last. Resown plots (reseeded in 1973) ('all-  
grass' and 'clover/grass'). Ploughed: 15 Sept, 1972. Reploughed:  
14 Nov. PK applied: 21 Mar, 1973. Seed sown: 28 Mar. Sprayed  
with benazolin 2,4-DB and MCPA ('Legumex Extra' at 7.0 l in 220 l):  
31 May. Topped: 15 June. Cut twice: 20 July, 13 Sept. NK and K  
applied after first cut.

73/R/RN/1 and 73/R/RN/2

Standard errors per plot.

Potatoes, total tubers, tonnes/hectare:

1st Test Crop: H. Sub plot: 3.22 or 6.4% (28 d.f.)

1st Test Crop: F. Sub plot: 2.59 or 5.4% (28 d.f.)

Wheat, Grain, tonnes/hectare:

5th Test Crop: H. Whole plot: 0.239 or 4.6% (5 d.f.)

Sub plot: 0.336 or 6.5% (18 d.f.)

F. Whole plot: 0.191 or 3.2% (4 d.f.)

Sub plot: 0.366 or 6.1% (15 d.f.)

6th Test Crop: H. Whole plot: 0.144 or 2.6% (5 d.f.)

Sub plot: 0.292 or 5.2% (18 d.f.)

F. Whole plot: 0.260 or 4.6% (4 d.f.)

Sub plot: 0.470 or 8.2% (15 d.f.)

8th Test Crop: H. Whole plot: 0.557 or 9.7% (5 d.f.)

Sub plot: 0.458 or 8.0% (18 d.f.)

F. Whole plot: 0.289 or 4.9% (4 d.f.)

Sub plot: 0.486 or 8.3% (15 d.f.)

9th Test Crop: H. Whole plot: 0.521 or 9.0% (5 d.f.)

Sub plot: 0.429 or 7.4% (18 d.f.)

F. Whole plot: 0.205 or 3.3% (4 d.f.)

Sub plot: 0.276 or 4.5% (15 d.f.)

H = Highfield    F = Fosters



73/R/RN/1 and 73/R/RN/2

POTATOES 1ST TEST CROP

PERCENTAGE WARE: 3.81 CM (1.5 INCH) RIDDLE

HIGHFIELD

|          | ROTATION |        |       |          | N73  |      |      |      | Mean |
|----------|----------|--------|-------|----------|------|------|------|------|------|
|          | Lucerne  | CloGra | Grass | Arable   | 0    | 80   | 160  | 240  |      |
| FYMRES68 |          |        |       |          |      |      |      |      |      |
| None     | 91.4     | 90.1   | 91.9  | 92.1     | 89.7 | 90.6 | 92.2 | 93.1 | 91.4 |
| FYM      | 91.5     | 92.9   | 91.1  | 91.3     | 91.4 | 91.7 | 92.6 | 91.1 | 91.7 |
|          |          |        |       | ROTATION |      |      |      |      |      |
|          |          |        |       | Lucerne  | 90.7 | 91.2 | 92.9 | 90.9 | 91.5 |
|          |          |        |       | CloGra   | 91.9 | 91.1 | 91.6 | 91.4 | 91.5 |
|          |          |        |       | Grass    | 91.1 | 91.0 | 91.6 | 92.5 | 91.5 |
|          |          |        |       | Arable   | 88.6 | 91.1 | 93.5 | 93.5 | 91.7 |
| Mean     |          |        |       |          | 90.6 | 91.1 | 92.4 | 92.1 | 91.5 |

| FYMRES68<br>N73 | None |      |      |      | FYM  |      |      |      |
|-----------------|------|------|------|------|------|------|------|------|
|                 | 0    | 80   | 160  | 240  | 0    | 80   | 160  | 240  |
| ROTATION        |      |      |      |      |      |      |      |      |
| Lucerne         | 90.2 | 90.5 | 92.8 | 92.2 | 91.2 | 91.9 | 93.1 | 89.7 |
| CloGra          | 89.5 | 89.5 | 90.0 | 91.4 | 94.2 | 92.8 | 93.1 | 91.3 |
| Grass           | 89.6 | 91.2 | 92.1 | 94.9 | 92.6 | 90.7 | 91.1 | 90.1 |
| Arable          | 89.6 | 91.1 | 93.8 | 93.7 | 87.6 | 91.1 | 93.2 | 93.3 |





73/R/RN/1 and 73/R/RN/2

POTATOES 1ST TEST CROP

PERCENTAGE WARE: 3.81 CM (1.5 INCH) RIDDLER

FOSTERS

| FYMRES68 | ROTATION |        |       |          | N73  |      |      |      | Mean |
|----------|----------|--------|-------|----------|------|------|------|------|------|
|          | Lucerne  | CloGra | Grass | Arable   | 0    | 80   | 160  | 240  |      |
| None     | 93.2     | 93.6   | 92.7  | 92.3     | 90.5 | 92.8 | 93.9 | 94.6 | 92.9 |
| FYM      | 93.3     | 93.4   | 92.6  | 91.6     | 91.1 | 92.2 | 93.5 | 94.0 | 92.7 |
|          |          |        |       | ROTATION |      |      |      |      |      |
|          |          |        |       | Lucerne  | 90.8 | 93.6 | 94.3 | 94.3 | 93.2 |
|          |          |        |       | CloGra   | 94.4 | 92.6 | 93.5 | 93.3 | 93.5 |
|          |          |        |       | Grass    | 89.3 | 93.1 | 93.6 | 94.5 | 92.6 |
|          |          |        |       | Arable   | 88.9 | 90.5 | 93.3 | 95.1 | 91.9 |
| Mean     |          |        |       |          | 90.8 | 92.5 | 93.7 | 94.3 | 92.8 |
| FYMRES68 |          | None   |       |          |      | FYM  |      |      |      |
| N73      | 0        | 80     | 160   | 240      | 0    | 80   | 160  | 240  |      |
| ROTATION |          |        |       |          |      |      |      |      |      |
| Lucerne  | 90.2     | 93.8   | 93.8  | 95.0     | 91.3 | 93.4 | 94.7 | 93.6 |      |
| CloGra   | 94.5     | 92.4   | 94.2  | 93.2     | 94.3 | 92.9 | 92.8 | 93.5 |      |
| Grass    | 88.3     | 93.6   | 93.8  | 95.0     | 90.3 | 92.5 | 93.4 | 94.0 |      |
| Arable   | 89.1     | 91.3   | 93.7  | 95.1     | 88.6 | 89.8 | 93.0 | 95.1 |      |

73/R/RN/1 and 73/R/RN/2

WHEAT 5TH TEST CROP

GRAIN: TONNES/HECTARE

HIGHFIELD

|          | 75   | 126  | N73 | 176  | 226  | Mean |
|----------|------|------|-----|------|------|------|
| ROTATION |      |      |     |      |      |      |
| Lucerne  | 5.92 | 4.76 |     | 4.99 | 4.22 | 4.97 |
| CloGra   | 5.56 | 5.06 |     | 5.09 | 4.94 | 5.16 |
| Grass    | 5.60 | 5.66 |     | 5.25 | 4.71 | 5.30 |
| Arable   | 6.02 | 5.65 |     | 6.15 | 5.63 | 5.86 |
| Reseeded | 5.54 | 5.57 |     | 5.20 | 5.05 | 5.34 |
| OldGrass | 5.36 | 4.61 |     | 4.17 | 4.04 | 4.55 |
| Mean     | 5.67 | 5.22 |     | 5.14 | 4.76 | 5.20 |

STANDARD ERRORS OF DIFFERENCES

| ROTATION  | N73   | ROTATION<br>N73 |
|---|-------|-----------------|
|   | 0.239 | 0.376           |
| Except when comparing means<br>with same level of<br>ROTATION | 0.137 | 0.336           |

Mean D.M. % 86.3

73/R/RN/1 and 73/R/RN/2

WHEAT 5TH TEST CROP

GRAIN: TONNES/HECTARE

FUSTERS

|          | 75   | 126  | N73<br>176 | 226  | Mean |
|----------|------|------|------------|------|------|
| ROTATION |      |      |            |      |      |
| Lucerne  | 5.60 | 5.99 | 5.82       | 5.57 | 5.75 |
| CloGra   | 7.13 | 6.57 | 5.55       | 5.46 | 6.18 |
| Grass    | 6.58 | 6.60 | 5.54       | 5.12 | 5.96 |
| Arable   | 6.54 | 6.81 | 6.20       | 5.26 | 6.21 |
| Reseeded | 6.33 | 6.32 | 5.51       | 5.39 | 5.89 |
| Mean     | 6.44 | 6.46 | 5.73       | 5.36 | 6.00 |

STANDARD ERRORS OF DIFFERENCES

| ROTATION | N73   | ROTATION<br>N73 |
|----------|-------|-----------------|
| 0.191    | 0.164 | 0.370           |

Mean D.M. % 85.8

73/R/RN/1 and 73/R/RN/2

WHEAT 6TH TEST CROP

GRAIN: TONNES/HECTARE

HIGHFIELD

|          | 75   | 126  | 176  | 226  | Mean |
|----------|------|------|------|------|------|
| ROTATION |      |      |      |      |      |
| Lucerne  | 6.75 | 5.97 | 5.81 | 5.51 | 6.01 |
| ClcGra.  | 6.35 | 5.48 | 5.64 | 5.16 | 5.66 |
| Grass    | 6.27 | 6.23 | 5.34 | 4.96 | 5.70 |
| Arable   | 6.70 | 6.32 | 5.27 | 5.01 | 5.83 |
| Reseeded | 6.21 | 5.54 | 4.91 | 4.63 | 5.32 |
| OldGrass | 5.78 | 5.07 | 4.98 | 4.80 | 5.16 |
| Mean     | 6.34 | 5.77 | 5.32 | 5.01 | 5.61 |

STANDARD ERRORS OF DIFFERENCES

| ROTATION | N73   | ROTATION | N73   |
|----------|-------|----------|-------|
|          | 0.144 |          | 0.119 |
|          |       |          | 0.291 |

Mean D.M. % 86.8

73/R/FN/1 and 73/R/FN/2

WHEAT 6TH TEST CRIP

GRAIN: TONNES/HECTARE

FOSTERS

|          | 75   | 126  | N73<br>176 | 226  | Mean |
|----------|------|------|------------|------|------|
| ROTATION |      |      |            |      |      |
| Lucerne  | 6.14 | 6.04 | 5.46       | 5.14 | 5.69 |
| CloGra   | 5.93 | 6.28 | 5.59       | 5.35 | 5.79 |
| Grass    | 6.18 | 6.27 | 5.71       | 4.96 | 5.78 |
| Arable   | 5.61 | 6.50 | 6.09       | 5.59 | 5.95 |
| Reseeded | 5.63 | 5.80 | 5.22       | 4.55 | 5.30 |
| Mean     | 5.90 | 6.18 | 5.61       | 5.12 | 5.70 |

STANDARD ERRORS OF DIFFERENCES

| ROTATION  | N73   | ROTATION<br>N73 |
|---|-------|-----------------|
| 0.260   | 0.210 | 0.483           |
| Except when comparing means<br>with same level of<br>ROTATION |       |                 |
|   |       | 0.470           |

Mean D.M.  $\bar{S}$  87.2

73/R/RN/1 and 73/R/RN/2

WHEAT 8TH TEST CROP

GRAIN: TONNES/HECTARE

HIGHFIELD

|          | N73  |      |      |      | Mean |
|----------|------|------|------|------|------|
|          | 75   | 126  | 176  | 226  |      |
| ROTATION |      |      |      |      |      |
| Lucerne  | 6.06 | 6.71 | 5.77 | 5.71 | 6.06 |
| CloGra   | 5.57 | 5.29 | 5.55 | 4.50 | 5.23 |
| Grass    | 6.07 | 6.32 | 6.00 | 5.79 | 6.05 |
| Arable   | 6.31 | 6.72 | 6.27 | 5.96 | 6.32 |
| Reseeded | 5.75 | 5.37 | 5.16 | 4.73 | 5.25 |
| OldGrass | 6.40 | 6.03 | 5.11 | 4.98 | 5.63 |
| Mean     | 6.03 | 6.07 | 5.64 | 5.28 | 5.76 |

STANDARD ERRORS OF DIFFERENCES

| ROTATION  | N73   | ROTATION<br>N73 |
|---|-------|-----------------|
|   | 0.557 | 0.684           |
| Except when comparing means<br>with same level of<br>ROTATION | 0.187 | 0.458           |

Mean D.M. % 85.8

73/R/RN/1 and 73/R/RN/2

WHEAT 8TH TEST CROP

GRAIN: TONNES/HECTARE

FOSTERS

|          | N73  |      |      |      |      |
|----------|------|------|------|------|------|
|          | 75   | 126  | 176  | 226  | Mean |
| ROTATION |      |      |      |      |      |
| Lucerne  | 5.52 | 6.48 | 5.85 | 5.81 | 5.91 |
| CloGra   | 6.07 | 6.60 | 6.02 | 5.21 | 5.98 |
| Grass    | 5.92 | 6.48 | 6.06 | 5.31 | 5.94 |
| Arable   | 5.92 | 6.67 | 6.38 | 5.64 | 6.15 |
| Reseeded | 5.15 | 5.82 | 5.21 | 5.33 | 5.38 |
| Mean     | 5.72 | 6.41 | 5.90 | 5.46 | 5.87 |

STANDARD ERRORS OF DIFFERENCES

| ROTATION  | N73   | ROTATION<br>N73 |
|---|-------|-----------------|
| 0.289   | 0.217 | 0.511           |
| Except when comparing means<br>with same level of |       |                 |
| ROTATION  |       | 0.486           |

Mean D.M.  $\bar{p}$  86.0

73/R/RN/1 and 73/R/RN/2

WHEAT 9TH TEST CROP

GRAIN: TONNES/HECTARE

HIGHFIELD

|          | 75   | 126  | N73<br>176 | 226  | Mean |
|----------|------|------|------------|------|------|
| ROTATION |      |      |            |      |      |
| Lucerne  | 5.84 | 5.86 | 6.16       | 5.29 | 5.79 |
| CloGra.  | 6.19 | 5.86 | 5.72       | 5.31 | 5.77 |
| Grass    | 6.25 | 6.24 | 5.24       | 5.02 | 5.69 |
| Arable   | 5.99 | 6.39 | 6.10       | 5.82 | 6.08 |
| Reseeded | 6.83 | 6.02 | 5.50       | 5.50 | 5.96 |
| OldGrass | 6.21 | 5.55 | 5.30       | 5.13 | 5.55 |
| Mean     | 6.22 | 5.99 | 5.67       | 5.35 | 5.81 |

STANDARD ERRORS OF DIFFERENCES

| ROTATION  | N73   | ROTATION<br>N73 |
|---|-------|-----------------|
|   | 0.521 | 0.175           |
|   |       | 0.640           |
| Except when comparing means<br>with same level of |       |                 |
| ROTATION  |       | 0.429           |

Mean D.M.  $\bar{p}$  86.4



73/R/RN/1 and 73/R/RN/2

WHEAT 9TH TEST CROP

GRAIN: TONNES/HECTARE

FOSTERS

|          | 75   | 126  | N73 | 176  | 226  | Mean |
|----------|------|------|-----|------|------|------|
| ROTATION |      |      |     |      |      |      |
| Lucerne  | 6.31 | 6.74 |     | 6.49 | 5.91 | 6.36 |
| CloGra   | 6.36 | 6.47 |     | 5.98 | 5.54 | 6.09 |
| Grass    | 6.04 | 6.60 |     | 6.02 | 5.26 | 5.98 |
| Arable   | 5.92 | 6.62 |     | 6.16 | 5.68 | 6.09 |
| Reseeded | 6.48 | 6.36 |     | 5.97 | 5.34 | 6.04 |
| Mean     | 6.22 | 6.56 |     | 6.12 | 5.55 | 6.11 |

STANDARD ERRORS OF DIFFERENCES

| ROTATION                                       | N73   | ROTATION | N73   |
|--|-------|----------|-------|
|  | 0.205 | 0.123    | 0.314 |
| Except when comparing means with same level of |       |          |       |
| ROTATION                                       |       | 0.276    |       |

Mean D.M. % 87.2

73/R/RW/1 and 73/R/RW/2

HAY, DRY MATTER: TONNES/HECTARE

|             | 1st cut       | 2nd cut       | 3rd cut       | 4th cut       | Total                 |
|-------------|---------------|---------------|---------------|---------------|-----------------------|
| HIGHFIELD   |               |               |               |               |                       |
|             | 4.74          | 1.40          | 3.08          | 1.09          | 10.31                 |
| Mean D.M. % | 1st cut: 15.2 | 2nd cut: 20.3 | 3rd cut: 17.1 | 4th cut: 27.1 | Total of 4 cuts: 19.9 |
| FOSTERS     |               |               |               |               |                       |
|             | 3.62          | 2.01          | 3.16          | 0.74          | 9.53                  |
| Mean D.M. % | 1st cut: 14.6 | 2nd cut: 19.0 | 3rd cut: 19.6 | 4th cut: 33.1 | Total of 4 cuts: 21.6 |

73/R/RN/1 and 73/R/RN/2

|  |        | HIGHFIELD<br>Mean |      | FOSTERS<br>Mean |         |      |
|--|--------|-------------------|------|-----------------|---------|------|
| LUCERNE, DRY MATTER: TONNES/HECTARE          |        |                   |      |                 |         |      |
| TOTAL OF 2 CUTS                              |        |                   |      |                 |         |      |
| 1st year                                     |        | 6.60              |      | 5.66            |         |      |
| ALL-GRASS LEY, DRY MATTER: TONNES/HECTARE    |        |                   |      |                 |         |      |
| TOTAL OF 2 CUTS                              |        |                   |      |                 |         |      |
| 1st year                                     |        | 5.98              |      | 4.52            |         |      |
| CLOVER/GRASS LEY, DRY MATTER: TONNES/HECTARE |        |                   |      |                 |         |      |
| 1st year                                     |        | 4.85              |      | 3.73            |         |      |
| RESEDED GRASS, DRY MATTER: TONNES/HECTARE    |        |                   |      |                 |         |      |
| TOTAL OF 4 CUTS                              |        |                   |      |                 |         |      |
|  | Blocks | HIGHFIELD         |      | Blocks          | FOSTERS |      |
|  |        | RC                | RN   |                 | RC      | RN   |
| 25th Exptl year                              | 1 & 4  | 4.49              | 9.33 | 1 & 3           | 5.92    | 8.86 |
| 25th Exptl year<br>(Reseeded 1973)           | 2 & 3  | 4.84              | 5.79 | 2 & 4           | 3.68    | 5.26 |
| PERMANENT GRASS, DRY MATTER: TONNES/HECTARE  |        |                   |      |                 |         |      |
| TOTAL OF 4 CUTS                              |        |                   |      |                 |         |      |
|  |        | HIGHFIELD         |      | FOSTERS         |         |      |
|  |        | GC                |      | GN              |         |      |
| 25th Exptl year                              |        | HIGHFIELD         |      |                 |         |      |
| Blocks 1 & 4                                 |        | 3.59              |      | 9.50            |         |      |
| Block 2                                      |        | 4.37              |      | 8.82            |         |      |