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ROTHAMSTED
RESEARCH

Collection of Plans for the Fosters Ley-arable Experiment

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All the Plans

Rothamsted Research

Rothamsted Research (1949-1990) *All the Plans* ; Collection Of Plans For The Fosters Ley-Arable Experiment, pp 1 - 20

FOSTERS FIELD

LEY AND ARABLE ROTATIONS Experiment

1949 1st Preliminary year

| | | | | | | | | | | |
|--------------|-------|---|---|---|----|-----|----|----|----|-----|
| Present crop | W | W | W | R | W | Cg1 | R | H | LI | Lul |
| | 1 | 3 | 5 | 7 | 9 | 11 | 13 | 15 | 17 | 19 |
| | a | b | a | b | a | b | a | b | a | b |
| | N | N | N | N | N | N | N | N | N | N |
| | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 2 |
| | ----- | | | | | | | | | |
| | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| | a | b | a | b | a | b | a | b | a | b |
| | N | N | N | N | N | N | N | N | N | N |
| | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 1 |

Relation (L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)

| | | | | | | | | | | |
|------------------|-------|----|----|----|----|-----|-----|----|----|--|
| Plot code letter | W | W | W | W | R | Cg1 | Lul | R | H | |
| | 21 | 23 | 25 | 27 | 29 | 31 | 35 | 37 | 39 | |
| | a | b | a | b | a | b | a | b | a | |
| | N | N | N | N | N | N | N | N | N | |
| | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | |
| | ----- | | | | | | | | | |
| | 22 | 24 | 26 | 28 | 30 | 34 | 36 | 40 | 42 | |
| | a | b | a | b | a | b | a | b | a | |
| | N | N | N | N | N | N | N | N | N | |
| | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | |

Relation (Lu) (Cg) (A) (L) (R) (Cg) (Lu) (L) (R) (A)

Test crop { W Wheat
H Seeds hay
Lul 1 cut then followed
Cg1 1st year lucerne
LI 1st year cut grass
R 3 or 4 cuts
Permanet grazed with sheep

| Rotation | Treatment crops | Test crop |
|----------|-----------------------------------|----------------------------|
| (A) | Hay, Potatoes, Barley | Wheat, Potatoes, Barley |
| (Lu) | 1st yr, 2nd yr, 3rd yr lucerne | |
| (Cg) | 1st yr, 2nd yr, 3rd yr cut grass | |
| (L) | 1st yr, 2nd yr, 3rd yr grazed ley | |

1/4 plot = 0.02205 acre

For harvested areas see Field notebooks
17 rows by 7mch spacing by 124.5 links
82-17 feet

| Symbol | Crop | cwt. N per acre as nitrochalk | | Basal dressing per acre |
|--------|---------------------|-------------------------------|------|--|
| | | N1 | N2 | |
| W | Wheat | 0.3 | 0.6 | 0.2 cwt. P ₂ O ₅ combine drilled with seed |
| H | Seeds hay | 0.3 | 0.6 | 0.15 cwt. P ₂ O ₅ , 0.15 cwt. K ₂ O |
| Cg1 | 1st year cut grass | 0.15 (i) | 0.3 | 0.6 cwt. P ₂ O ₅ , 0.6 cwt. K ₂ O |
| LI | 1st year grazed ley | 0.075 (ii) | 0.15 | 0.6 cwt. P ₂ O ₅ , 0.6 cwt. K ₂ O |
| R | Reseeded grass | 0.075 (ii) | 0.15 | 0.3 cwt. P ₂ O ₅ , 0.3 cwt. K ₂ O |
| Lul | 1st year lucerne | - | - | 0.6 cwt. P ₂ O ₅ , 0.6 cwt. K ₂ O |

The basal dressing is applied as a granulated compound containing 13% P₂O₅ and 13% K₂O.

- (i) 1st dressing of N1 and N2 in spring. Repeated dressings of N1 and N2 at the same rates. After 1st, 2nd and 3rd cut.
- (ii) 1st dressing of N1 and N2 in spring. A second dressing of N1 and N2 later in summer at the same rates.

FOSTERS LEY AND ARABLE ROTATIONS EXPERIMENT

5 FEB 1952

1952 4th year

code letter M.

| | | | | |
|------|------|------|------|------|
| 111 | 113 | 115 | 117 | 119 |
| a, b | a, b | a, b | a, b | a, b |
| N | N | N | N | N |
| D | D | D | D | D |
| 112 | 114 | 116 | 118 | 120 |
| a, b | a, b | a, b | a, b | a, b |
| N | N | N | N | N |
| D | D | D | D | D |

| | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|
| 91 | 93 | 95 | 97 | 99 | 101 | 103 | 105 | 107 | 109 |
| a, b | a, b | a, b | a, b | a, b | a, b | a, b | a, b | a, b | a, b |
| N | N | N | N | N | N | N | N | N | N |
| D | D | D | D | D | D | D | D | D | D |
| 92 | 94 | 96 | 98 | 100 | 102 | 104 | 106 | 108 | 110 |
| a, b | a, b | a, b | a, b | a, b | a, b | a, b | a, b | a, b | a, b |
| N | N | N | N | N | N | N | N | N | N |
| D | D | D | D | D | D | D | D | D | D |

| | | | | |
|------|------|------|------|------|
| 81 | 83 | 85 | 87 | 89 |
| a, b | a, b | a, b | a, b | a, b |
| N | N | N | N | N |
| D | D | D | D | D |
| 82 | 84 | 86 | 88 | 90 |
| a, b | a, b | a, b | a, b | a, b |
| N | N | N | N | N |
| D | D | D | D | D |

| | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|
| 61 | 63 | 65 | 67 | 69 | 71 | 73 | 75 | 77 | 79 |
| a, b | a, b | a, b | a, b | a, b | a, b | a, b | a, b | a, b | a, b |
| N | N | N | N | N | N | N | N | N | N |
| D | D | D | D | D | D | D | D | D | D |
| 62 | 64 | 66 | 68 | 70 | 72 | 74 | 76 | 78 | 80 |
| a, b | a, b | a, b | a, b | a, b | a, b | a, b | a, b | a, b | a, b |
| N | N | N | N | N | N | N | N | N | N |
| D | D | D | D | D | D | D | D | D | D |

| | | | | |
|------|------|------|------|------|
| 31 | 33 | 35 | 37 | 39 |
| a, b | a, b | a, b | a, b | a, b |
| N | N | N | N | N |
| D | D | D | D | D |
| 32 | 34 | 36 | 38 | 40 |
| a, b | a, b | a, b | a, b | a, b |
| N | N | N | N | N |
| D | D | D | D | D |

| | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|
| 21 | 23 | 25 | 27 | 29 | 31 | 33 | 35 | 37 | 39 |
| a, b | a, b | a, b | a, b | a, b | a, b | a, b | a, b | a, b | a, b |
| N | N | N | N | N | N | N | N | N | N |
| D | D | D | D | D | D | D | D | D | D |
| 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
| a, b | a, b | a, b | a, b | a, b | a, b | a, b | a, b | a, b | a, b |
| N | N | N | N | N | N | N | N | N | N |
| D | D | D | D | D | D | D | D | D | D |

| | | | | |
|------|------|------|------|------|
| 11 | 13 | 15 | 17 | 19 |
| a, b | a, b | a, b | a, b | a, b |
| N | N | N | N | N |
| D | D | D | D | D |
| 12 | 14 | 16 | 18 | 20 |
| a, b | a, b | a, b | a, b | a, b |
| N | N | N | N | N |
| D | D | D | D | D |

| | | | | |
|------|------|------|------|------|
| 51 | 53 | 55 | 57 | 59 |
| a, b | a, b | a, b | a, b | a, b |
| N | N | N | N | N |
| D | D | D | D | D |
| 52 | 54 | 56 | 58 | 60 |
| a, b | a, b | a, b | a, b | a, b |
| N | N | N | N | N |
| D | D | D | D | D |

AREA MANURED
1/4 plot - 1/45 acre (approx)



3 1/2 rows path

12 1/2 rows

6 Year Cropping Cycles:-
 Treatment crops
 Lu = 3 years Lucerne
 L = 3 years Grazed Ley
 Cg = 3 years Cut Grass
 A = Hay, Potatoes, Barley
 R = Reseeded Permanent Grass 2 years grazed
 W = 3rd year Hay

Test crops
 Wheat, Potatoes, Barley

All crops (except Lucerne) have nitrogen at single (no symbol) or at double (N) rates
 N = 2 cwt N/c in spring, 2 cwt N/c after each cut.
 Cg = 1 cwt N/c in 1 cwt N/c later in season.
 Wheat (W) 4 cwt N/c, Barley (B) 2.7 cwt N/c, Hay (H) 4 cwt N/c.
 Potatoes (P) 5 cwt. sulphate of ammonia
 D = Dung at 12 tons per acre to potato crops only
 n = N given in previous 3 year crop sequence
 d = D to previous potato crop

Basal P.K. All rotations and permanent grass :- 13 cwt/a superphosphate . 4 cwt/a muriate of potash spread over 6 years (Equivalent Calcium carbonate applied once in 6 years before test crop barley.
 to 2.4 cwt P₂O₅ & 2.4 cwt K₂O

LEY AND ARABLE ROTATIONS EXPERIMENT — FOSTERS — 1953 5th year

Code letter M.

| | | | | | | | | | |
|---------|---------|---------|---------|-----|-----|----------|----------|----------|-----|
| 91 a | 93 b | 95 a | 97 b | 99 | 101 | 103 a | 105 b | 107 a | 109 |
| N | D | N | D | N | N | D | N | N | N |
| 92 a | 94 b | 96 a | 98 b | 100 | 102 | 104 a | 106 b | 108 a | 110 |
| N | D | N | D | N | N | D | N | N | N |

| | | | | |
|----------|----------|-----|----------|----------|
| 111 a | 113 b | 115 | 117 a | 119 b |
| N | D | N | D | N |
| 112 a | 114 b | 116 | 118 a | 120 b |
| N | D | N | D | N |



Rotation

Present crop

Area manured
1/4 plot - 1/45 acre
(approx.)

Block 10

| | | | | |
|-----|----|----|-----|----|
| 51 | 53 | 55 | 57 | 59 |
| 3Lu | 3R | 3L | 3Cg | B |
| N | N | N | N | N |
| 52 | 54 | 56 | 58 | 60 |
| N | N | N | N | N |

Block 11

| | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 61 | 63 | 65 | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 |
| W | W | W | W | W | W | W | W | W | W | W | W | W | W | W |
| N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| 62 | 64 | 66 | 68 | 70 | 72 | 74 | 76 | 78 | 80 | 82 | 84 | 86 | 88 | 90 |
| N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |

Block 7

| | | | | | | | | | | | | | | |
|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 21 | 23 | 25 | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 |
| 2Lu | 2Cg | P | 2L | 2R | P | P | P | 2R | P | W | W | W | W | W |
| N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 |
| N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |

Block 8

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 |
| X | W | W | W | W | W | W | W | W | W |
| N | N | N | N | N | N | N | N | N | N |
| 42 | 44 | 46 | 48 | 50 | 52 | 54 | 56 | 58 | 60 |
| N | N | N | N | N | N | N | N | N | N |

Block 6

| | | | | | | | | | |
|----|---|-----|----|-----|----|----|----|----|----|
| 1 | 3 | 5 | 7 | 9 | 11 | 13 | 15 | 17 | 19 |
| 2L | P | 2Lu | 2R | 2Cg | P | P | P | P | P |
| N | N | N | N | N | N | N | N | N | N |
| 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| N | N | N | N | N | N | N | N | N | N |

Block 3

| | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | 56 | 58 | 60 |
| Cg | Lu | L | L | L | L | L | L | L | L | L | L | L | L | L | L | L | L |
| N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 |
| N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |

Block 4

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 |
| A | Lu | L | L | L | L | L | L | L | L |
| N | N | N | N | N | N | N | N | N | N |
| 42 | 44 | 46 | 48 | 50 | 52 | 54 | 56 | 58 | 60 |
| N | N | N | N | N | N | N | N | N | N |

All crops (except Lucerne) have nitrogen at Single (no symbol) & at double (N) rates
Cg:- 2cwt. N/c in spring, 2cwt. N/c after each cut.
L:- 1cwt. N/c in spring, 1cwt. N/c later in season.

Wheat (W) 4 cwt. N/c. Barley (B) 2.7 cwt. N/c. Hay (H) 4 cwt. N/c.
Potatoes (P) 5 cwt. sulphate of ammonia.

D = Dung at 12 tons per acre to potato crops only.
U = High nitrogen given in previous 3 year crop sequence.
D = Dung to previous potato crop.

Test crops

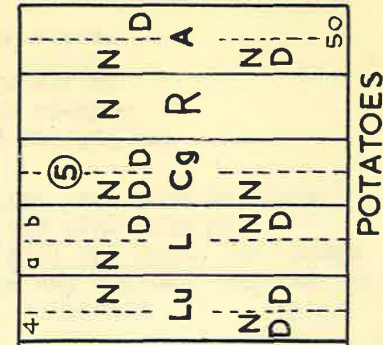
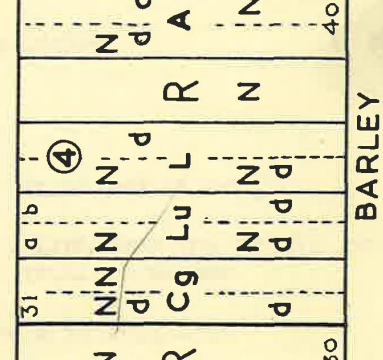
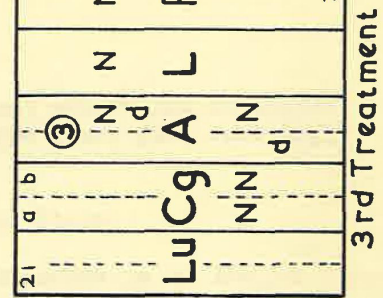
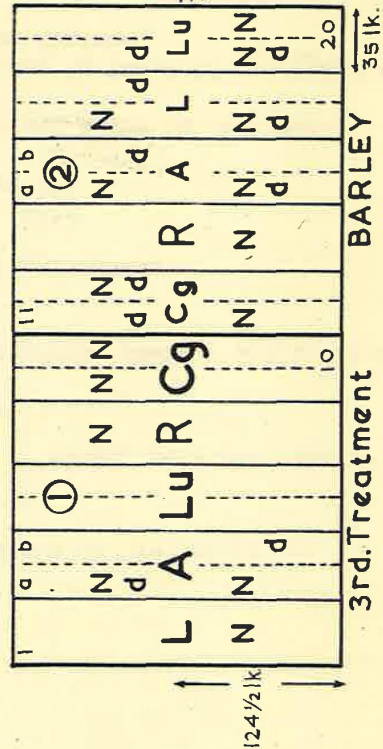
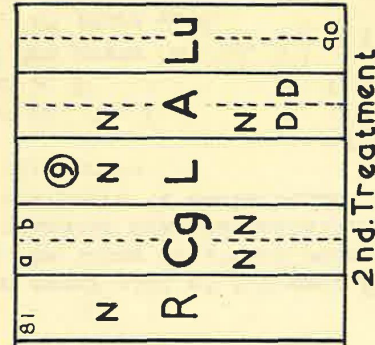
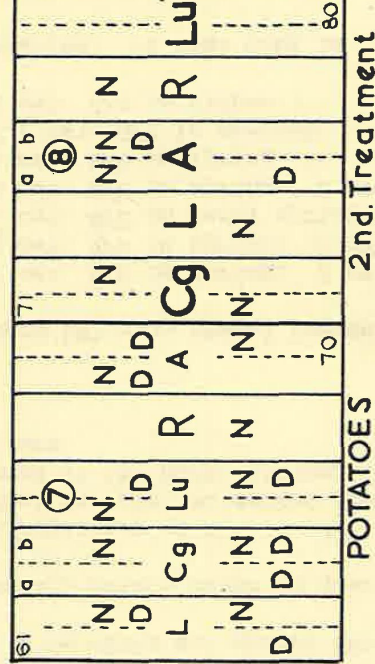
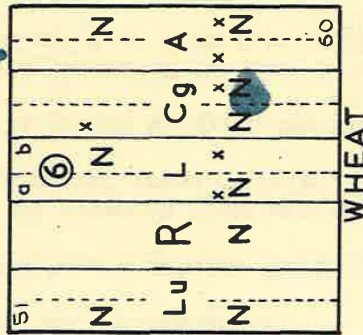
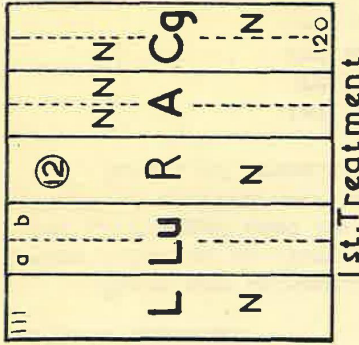
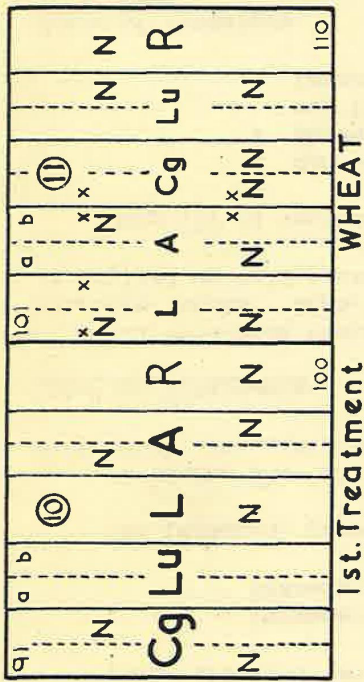
6 Year cropping cycles :-
Treatment crops
Lu : 3 years Lucerne
L : 3 years Grazed Ley
Cg : 3 years Cut Grass
A : Hay, Potatoes, Barley
R : Reseeded Permanent Grass 2 years grazed 3rd year hay.

Basal P.K. All rotations and permanent grass :- 13 c.p.a. Super. 4 c.p.a. Mur/potash spread over 6 years.

Rothamsted LEY-ARABLE Rotations FOSTERS 6th. year 1954



Code letter M



Area manured
1/4 plot - 1/45 acre
(approx.)

3 1/2 k. cross path

12 1/2 k

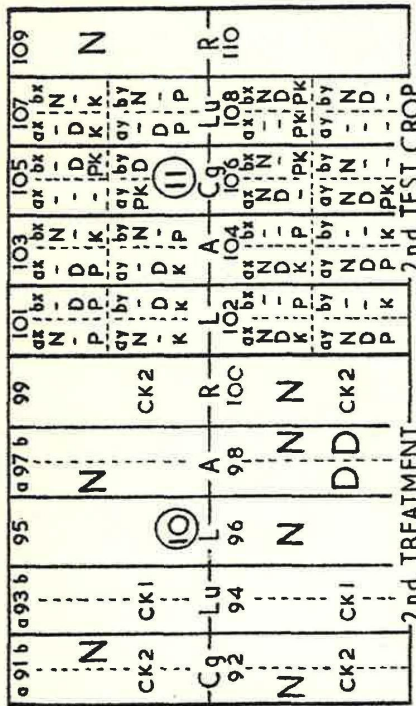
21 July 1954

Treatments overleaf

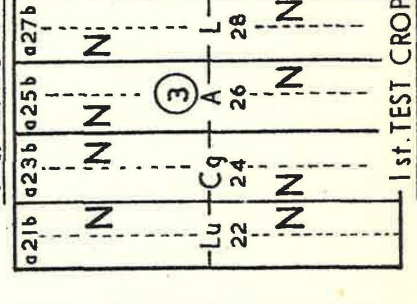
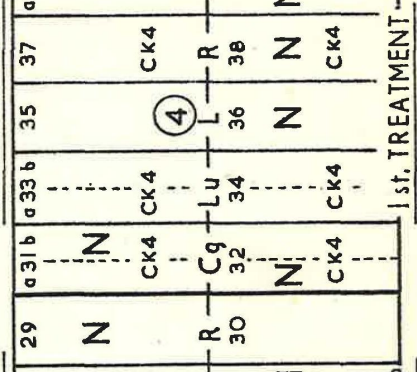
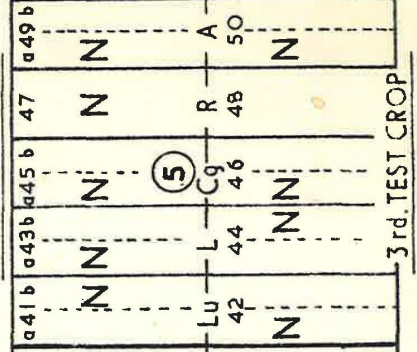
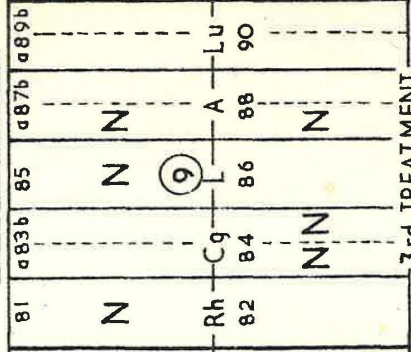
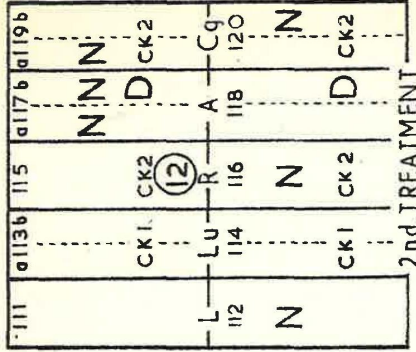
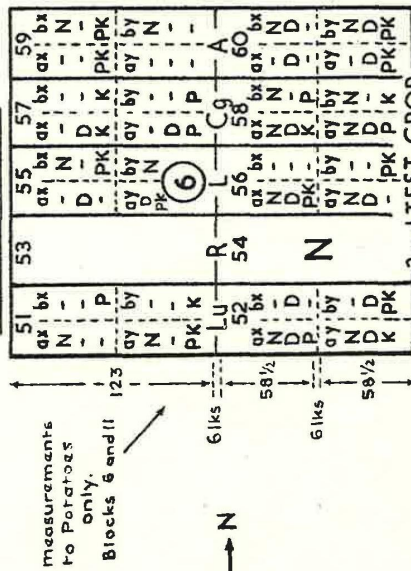
JUN 1955

LEY-ARABLE ROTATIONS FOSTERS

Code Letter M
SEVENTH YEAR
1955



TEST CROPS
1st: Wheat
2nd: Potatoes
3rd: Barley



LEY-ARABLE
ROTATIONS
FOSTERS
Code Letter M
EIGHTH YEAR
1956

18 OCT 1955

| | | | | | | | | | |
|------|------|------|------|-----|-------|-------|-------|-------|-----|
| a91b | a93b | 95 | a97b | 99 | a101b | a103b | a105b | a107b | 109 |
| N | N | (10) | N | N | N | N | (11) | N | N |
| Cg | Lu | L | A | R | L | A | Cg | Lu | R |
| 92 | 94 | 96 | 98 | 100 | 102 | 104 | 106 | 108 | 110 |
| N | N | N | N | N | N | N | N | N | N |

3rd. Treatment Barley

| | | | | |
|------|----|------|------|------|
| a51b | 53 | a55b | a57b | a59b |
| N | N | (6) | N | N |
| Lu | R | L | Cg | A |
| 52 | 54 | 56 | 58 | 60 |
| N | N | N | NN | N |

35 lks Barley

| | | | | | | | | | | | | | | |
|------|------|------|----|------|------|------|------|----|------|----|------|------|------|------|
| a61b | a63b | a65b | 67 | a69b | a71b | a73b | a75b | 77 | a79b | 81 | a83b | a85b | a87b | a89b |
| N | N | (7) | N | N | N | N | (8) | N | N | N | N | (9) | N | N |
| L | Cg | Lu | Rh | H | Cg | L | A | R | Lu | R | Cg | L | A | Lu |
| 62 | 64 | 66 | 68 | 70 | 72 | 74 | 76 | 78 | 80 | 82 | 84 | 86 | 88 | 90 |
| N | N | N | N | N | N | N | NN | NN | NN | NN | N | N | N | N |

1st. Treatment Wheat

| | | | | |
|------|----|------|----|------|
| a11b | 13 | a15b | 17 | a19b |
| N | N | (2) | N | N |
| Cg | R | A | L | Lu |
| 12 | 14 | 16 | 18 | 20 |
| N | N | ND | N | N |

2nd. Treatment Potatoes

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|
| a21b | a23b | a25b | a27b | a29b | a31b | a33b | 35 | a37b | a39b | a41b | a43b | a45b | a47b | a49b |
| ax | bx | ax | bx | N | N | N | (4) | R | D | N | N | (5) | N | N |
| - | - | - | - | - | - | - | L | A | A | Lu | L | Cg | Rh | H |
| 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 |
| N | N | N | N | N | N | N | N | N | NN | N | N | N | N | N |

1st. Treatment Potatoes

W heat - 1/2 of row per
quarter plot sampled

3 lks
Cross path
124 1/2

123
6 lks
58 1/2
6 lks
58 1/2

Wheat 8' of row per plot sampled.

LEY-ARABLE ROTATIONS FOSTERS Code Letter M NINTH YEAR 1957

| | | | | | | | | | |
|----------------|----------------|----------------|----------------|---------------|---------------|-----------------|-----------------|-----------------|---------------|
| a91b 3 N | a93b 1 N | a95b 2 N | a97b 4 N | 99 - N | 101 - N | a103b 1 N | a105b 1 N | a107b 1 N | 109 - N |
| Cg | Lu | L | A | R | L | H | Cg | Lu | Rh |
| 92 3 3 | 94 1 1 | 96 2 2 | 98 4 4 | 100 - N | 102 - - | 104 - N | 106 - N | 108 1 10 | 110 - - |

| | | | | |
|-----------------|-----------------|---------------|----------------|-----------------|
| a111b 3 N | a113b 1 N | 115 - N | 117b 4 N | a119b 3 N |
| L | Lu | R | A | Cg |
| 112 2 2 | 114 1 1 | 116 2 2 | 118 4 4 | 120 3 3 |

| | | | | |
|-----------------|------------------|-----------------|------------------|-----------------|
| a51b 53 - | a53b 54 Rh | a55b 56 L | a57b 58 Cg | a59b 60 H |
| Lu | Rh | L | Cg | H |
| 52 2 2 | 54 4 4 | 56 6 6 | 58 8 8 | 60 10 10 |

| | | | | | | | | | | | | | | | |
|---------|-----------------|------------------|--------------|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 61 N | a63b 64 N | a65b 66 Lu | 67 - N | a69b 70 - D | 71 N | 73 N | 75 N | 77 N | 79 D | 81 N | 82 - | 84 N | 86 N | 88 N | 89 N |
| L | Cg | Lu | R | P | Cg | L | R | R | P | R | Lu | Cg | L | A | Lu |
| 62 - | 64 - | 66 - | 68 - | 70 - | 72 - | 74 - | 76 - | 78 - | 80 - | 82 - | 84 - | 86 - | 88 - | 90 - | |

| | | | | |
|--------------|--------------|--------------|--------------|----------------|
| 81 N | 83 N | 85 N | 87 N | 89 N |
| Cg | L | R | A | Lu |
| 82 2 2 | 84 4 4 | 86 6 6 | 88 8 8 | 90 10 10 |

| | | | | | | | | | |
|---------------|---------------|----------------|---------------|-----------------|------------------|-----------------|-----------------|-----------------|------------------|
| a15 2 N | a35 4 N | a55 6 Lu | a75 8 R | a95 10 Cg | a115 12 Cg | a135 14 R | a155 16 O | a175 18 L | a195 20 Lu |
| L | A | Lu | R | Cg | Cg | R | O | L | Lu |
| 2 2 | 4 4 | 6 6 | 8 8 | 10 10 | 12 12 | 14 14 | 16 16 | 18 18 | 20 20 |

| | | | | | | | | | | | | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|-----------------|-----------------|-----------------|------------------|-----------------|------------------|-----------------|-----------------|
| a215 22 N | a235 24 N | a255 26 A | a275 28 L | a295 30 R | a315 32 Cg | a335 34 Lu | a355 36 L | a375 38 R | a395 40 O | a415 42 Lu | a435 44 L | a455 46 Cg | a475 48 R | a495 50 P |
| Lu | Cg | A | L | R | Cg | Lu | L | R | O | Lu | L | Cg | R | P |
| 22 2 | 24 2 | 26 2 | 28 2 | 30 2 | 32 2 | 34 2 | 36 2 | 38 2 | 40 2 | 42 2 | 44 2 | 46 2 | 48 2 | 50 2 |

| | | | | | | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| a117b 4 N | a119b 3 N | a177b 4 N | a179b 4 N | a181b 4 N | a183b 4 N | a185b 4 N | a187b 4 N | a189b 4 N |
| L | Cg | L | L | L | L | L | L | L |
| 112 2 | 114 2 | 172 2 | 174 2 | 176 2 | 178 2 | 180 2 | 182 2 | 184 2 |

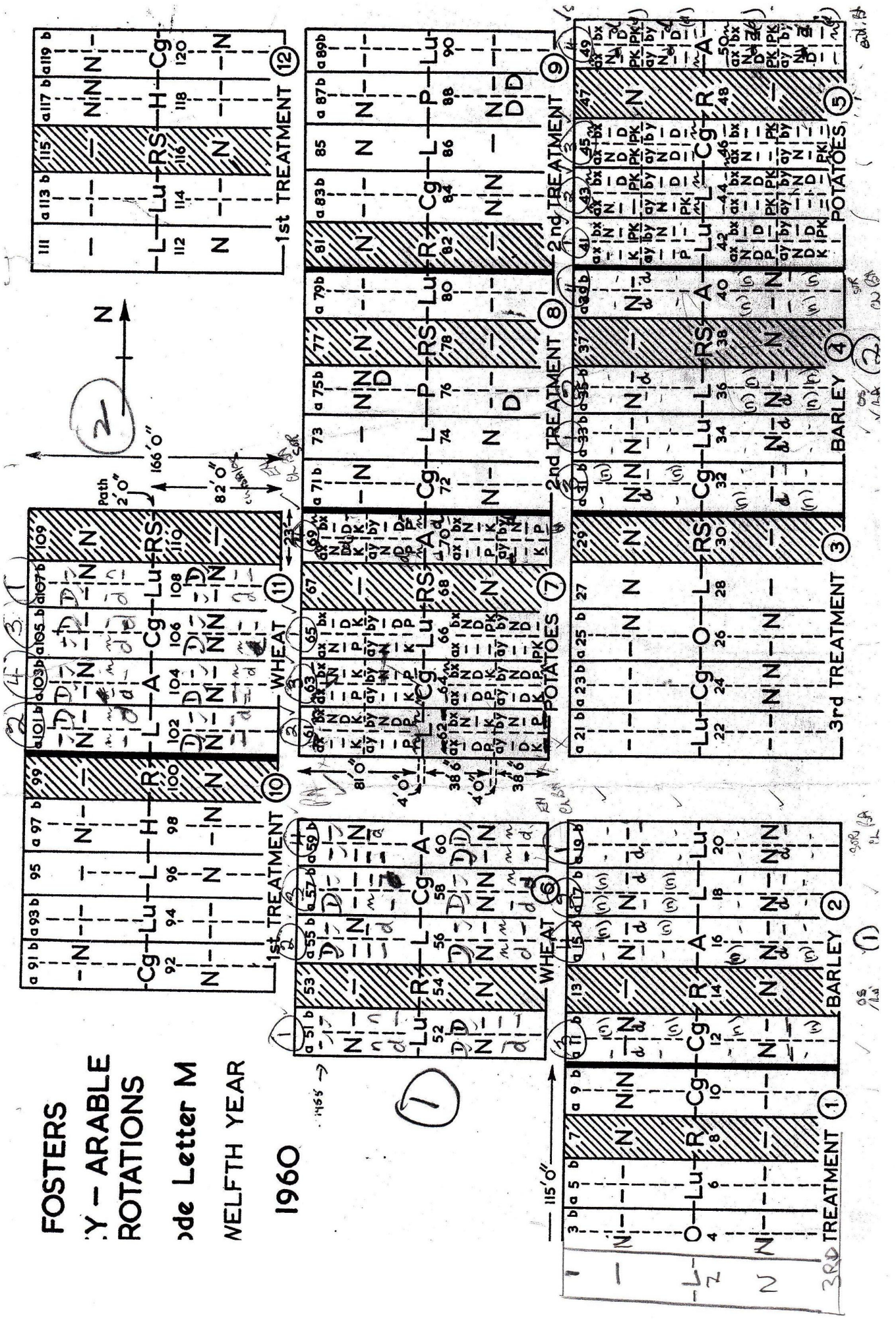


23'0" 2'0" Cross path 82'0" 81'0" 4'0" 38'6" 4'0" 38'6"

7 FEB 1957

**FOSTERS
3-YEAR ARABLE
ROTATIONS
code Letter M
WELFTH YEAR**

1960





Site of Permanent Bars follow

| | | | | |
|-----|-----|-----|-----|-----|
| 111 | 113 | 115 | 117 | 119 |
| a b | a b | a b | a b | a b |
| L | LU | R | S | Cg |
| 112 | 114 | 116 | 118 | 120 |
| a b | a b | a b | a b | a b |

2nd Treatment

| | | | |
|-------|-------|-------|-------|
| L | A | Cg | LU |
| 101 b | 103 b | 105 b | 107 b |
| a b | a b | a b | a b |
| PK | PK | PK | PK |
| DN | DN | DN | DN |
| FN | FN | FN | FN |
| 102 b | 104 b | 106 b | 108 b |
| a b | a b | a b | a b |
| PK | PK | PK | PK |
| DN | DN | DN | DN |
| FN | FN | FN | FN |
| 109 | 110 | | |
| a b | a b | | |
| R | | | |

POTATOES

| | | | |
|-----|-----|-----|-----|
| 99 | 97 | 95 | 93 |
| a b | a b | a b | a b |
| RS | S | L | LU |
| 100 | 98 | 96 | 94 |
| a b | a b | a b | a b |

2nd Treatment

FOSTERS
LEY - ARABLE
ROTATIONS
 Code letter M
 13th Year
 1961

F = PK in place of dung (D) to potatoes.

| | | | | |
|--------|-----|------|------|------|
| 51 a,b | 53 | 55 b | 57 b | 59 b |
| a b | a b | a b | a b | a b |
| LU | L | Cg | A | |
| 52 a,b | 54 | 56 b | 58 b | 60 b |
| a b | a b | a b | a b | a b |

POTATOES

| | | | | |
|-----|-----|-----|-----|-----|
| 81 | 83 | 85 | 87 | 89 |
| a b | a b | a b | a b | a b |
| RS | Cg | L | O | LU |
| 82 | 84 | 86 | 88 | 90 |
| a b | a b | a b | a b | a b |

3rd Treatment

| | | | |
|-----|-----|-----|-----|
| 73 | 75 | 77 | 79 |
| a b | a b | a b | a b |
| L | O | R | LU |
| 74 | 76 | 78 | 80 |
| a b | a b | a b | a b |

3rd Treatment

| | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 61 b | 63 | 65 | 67 | 69 | 71 | 73 | 75 | 77 | 79 |
| a b | a b | a b | a b | a b | a b | a b | a b | a b | a b |
| LU | R | A | Cg | L | O | R | LU | | |
| 62 | 64 | 66 | 68 | 70 | 72 | 74 | 76 | 78 | 80 |
| a b | a b | a b | a b | a b | a b | a b | a b | a b | a b |

3rd Treatment

| | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b |
| L | A | LU | RS | Cg | L | H | L | LU | | | | | | | | | | | | |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | |
| a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b | a b |

1st Treatment

| | | | | |
|-----|-----|-----|-----|-----|
| 41 | 43 | 45 | 47 | 49 |
| a b | a b | a b | a b | a b |
| LU | L | Cg | RS | A |
| 42 | 44 | 46 | 48 | 50 |
| a b | a b | a b | a b | a b |

1st Treatment

Start

8 1/2

7 1/2

16 1/2

20 1/2

23 1/2

4

2 1/2

2

4

3

14th YEAR 1962

Code letter: FLA

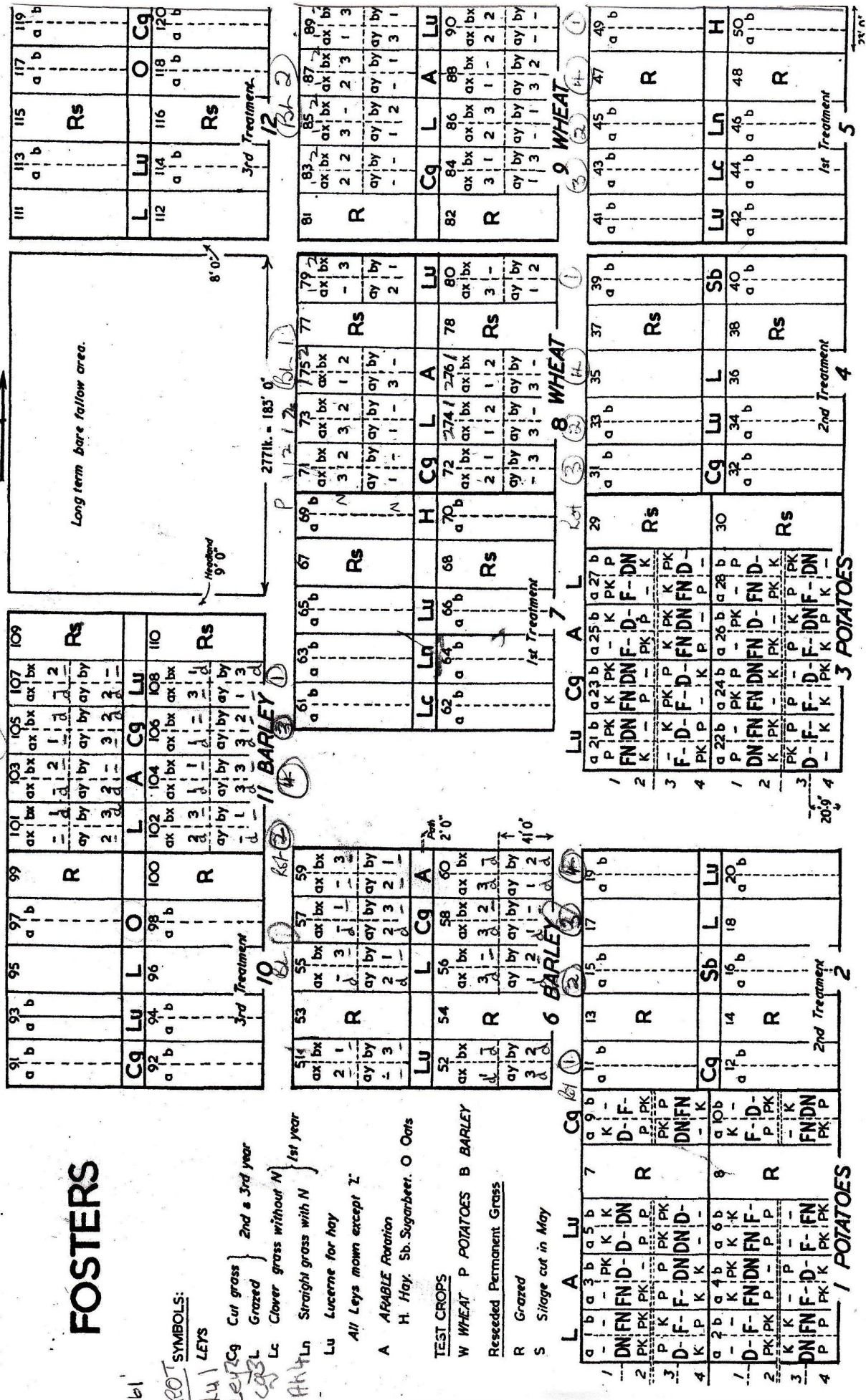
LEY-ARABLE ROTATIONS

ROTHAMSTED

FOSTERS

- ROTS SYMBOLS:**
 LU1 LEYS
 Ley Cg Cut grass } 2nd & 3rd year
 Cg3 L Grazed }
 Lc Clover grass without N } 1st year
 Ah4 Ln Straight grass with N }
 Lu Lucerne for hay }
 All Leys mown except L'
 A ARABLE Rotation
 H Hay, Sb. Sugarbeet, O Oats

- TEST CROPS**
 W WHEAT P POTATOES B BARLEY
 Reseeded Permanent Grass
 R Grazed
 S Silage cut in May



61 Rot Rep. N
n = N 15 Wheat 1962

Rothamsted:

LEY ARABLE ROTATION

Code letter: FLA

15th Year: 1963

FOSTERS

Symbols:

- LEYS
- Cg Cut grass } 3rd year
- L Grazed
- L Clover grass without N
- Lc Straight grass with N
- Lucerne for hay

All Leys mown except 'L'

ARABLE Rotation
H Hay Sb Sugar-beet
O Oats

Reseeded grass ploughed up.

T. CROPS
WHEAT P POTATOES
BARLEY

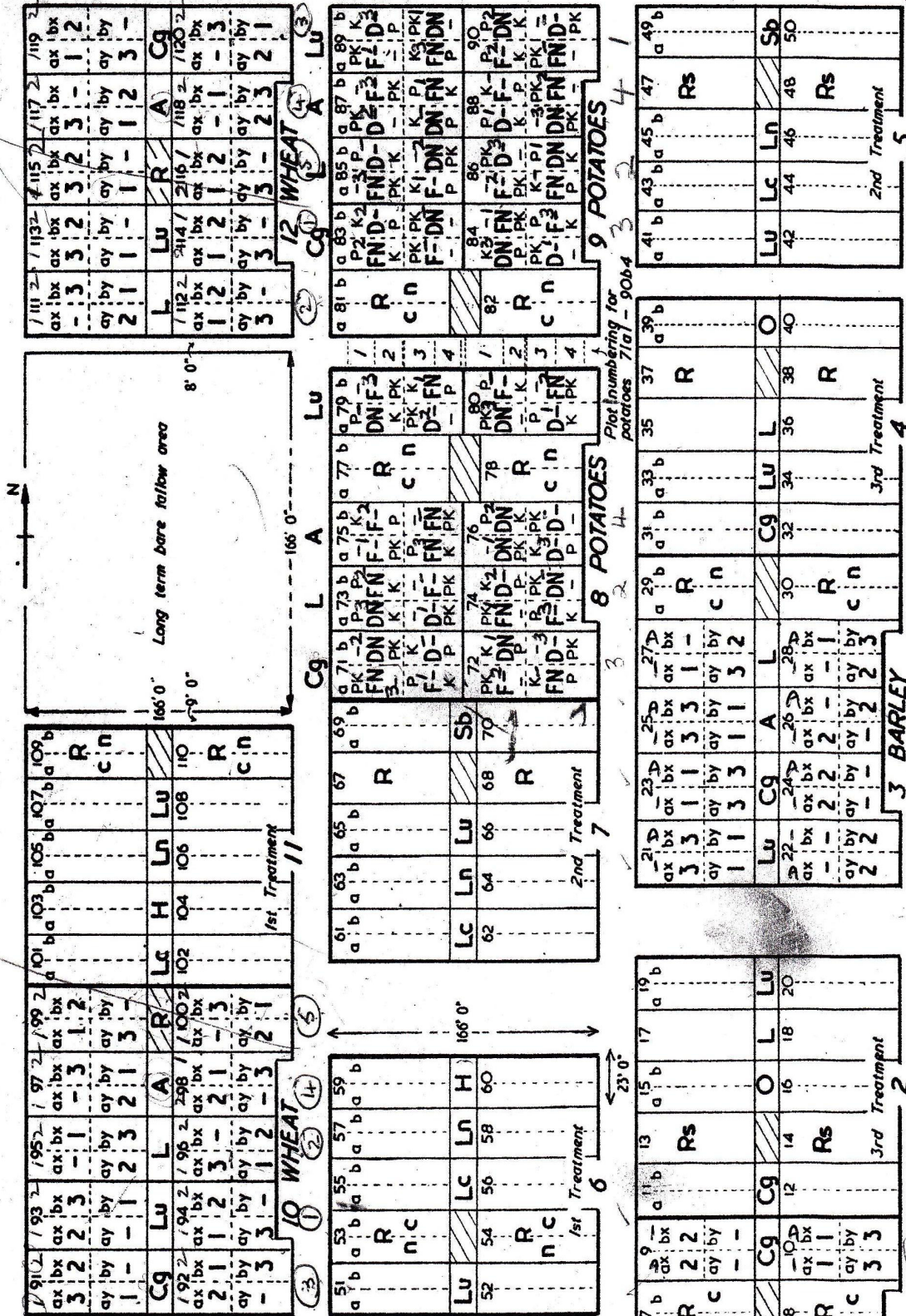
seeded and Old Permanent Grass

& G Grazed

Silage cut in May

c & Gc No N } Mown

Ln & Gn With N }



Rothamsted

LEY - ARABLE ROTATION

Code letter FLA

16th. Year 1964.

FOSTERS

SYMBOLS

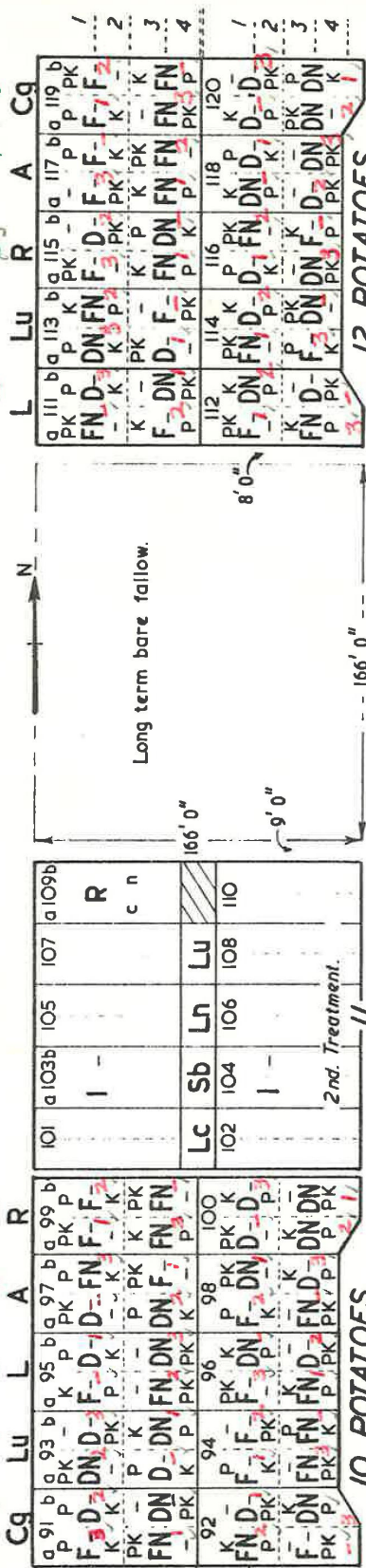
- Rotations. All 3yr. leys cut.
- Lc Grass/clover-NoN.(L) 4
- Ln Grass-with N. (Cg)
- Lu Lucerne.
- A Arable: H Hay.
- Sb Sugarbeet.
- O Oats.
- L Previously Grazed ley.
- Cg Previously Cut grass.

TEST CROPS:

- P Potatoes.
- W W. Wheat.
- B Barley.

Reseeded & Old Permanent Grass.

- R & G Grazed.
 - s Cut for silage in May.
 - Rc, Gc Without N } Cut
 - Rn, Gn With N }
- Note: From Autumn 1964 R is ploughed up as each block comes into Test Crop Wheat.



Plot numbering for potatoes IIIa1 - 120 b 4

10 POTATOES

| | | | | |
|------------------|------------------|------------------|------------------|------------------|
| 91 b | 93 b | 95 b | 97 b | 99 b |
| PK P | PK P | PK P | PK P | PK P |
| F ₃ D | F ₃ D | F ₃ D | F ₃ D | F ₃ D |
| K | K | K | K | K |
| PK | PK | PK | PK | PK |
| FN | FN | FN | FN | FN |
| DN | DN | DN | DN | DN |
| PK | PK | PK | PK | PK |
| 92 | 94 | 96 | 98 | 100 |
| PK P | PK P | PK P | PK P | PK P |
| F ₃ D | F ₃ D | F ₃ D | F ₃ D | F ₃ D |
| K | K | K | K | K |
| PK | PK | PK | PK | PK |
| FN | FN | FN | FN | FN |
| DN | DN | DN | DN | DN |
| PK | PK | PK | PK | PK |

12 POTATOES

| | | | | |
|---------------|---------------|---------------|---------------|---------------|
| 101 | 103b | 105 | 107 | 109b |
| Lc | Sb | Ln | Lu | R |
| 102 | 104 | 106 | 108 | 110 |
| 2nd Treatment | 2nd Treatment | 2nd Treatment | 2nd Treatment | 2nd Treatment |

9 POTATOES

| | | | | |
|---------|---------|---------|---------|---------|
| 81 b | 83 | 85 | 87 | 89 |
| ax : bx | ax : bx | ax : bx | ax : bx | ax : bx |
| 1 | 3 | 1 | 2 | 2 |
| ay : by | ay : by | ay : by | ay : by | ay : by |
| 3 | 1 | 3 | 2 | 3 |
| Cg | L | A | Lu | Lu |
| 82 | 84 | 86 | 88 | 90 |
| ax : bx | ax : bx | ax : bx | ax : bx | ax : bx |
| 2 | 2 | 3 | 1 | 3 |
| ay : by | ay : by | ay : by | ay : by | ay : by |
| - | - | 2 | 1 | 3 |

8 BARLEY

| | | | | |
|---------|---------|---------|---------|---------|
| 71 | 73 | 75 | 77 b | 79 |
| ax : bx | ax : bx | ax : bx | ax : bx | ax : bx |
| 3 | - | 3 | - | 3 |
| ay : by | ay : by | ay : by | ay : by | ay : by |
| 1 | 2 | 1 | 2 | 1 |
| Cg | L | A | Lu | Lu |
| 72 | 74 | 76 | 78 | 80 |
| ax : bx | ax : bx | ax : bx | ax : bx | ax : bx |
| 2 | 3 | 1 | 2 | 1 |
| ay : by | ay : by | ay : by | ay : by | ay : by |
| - | 1 | 2 | 3 | 2 |

7

| | | | | |
|---------------|---------------|---------------|---------------|---------------|
| 61 | 63 | 65 | 67 | 69 |
| Lc | Ln | Lu | Lu | O |
| 62 | 64 | 66 | 68 | 70 |
| 3rd Treatment | 3rd Treatment | 3rd Treatment | 3rd Treatment | 3rd Treatment |

9 BARLEY

| | | | | |
|---------|---------|---------|---------|---------|
| 81 b | 83 | 85 | 87 | 89 |
| ax : bx | ax : bx | ax : bx | ax : bx | ax : bx |
| 1 | 3 | 1 | 2 | 2 |
| ay : by | ay : by | ay : by | ay : by | ay : by |
| 3 | 1 | 3 | 2 | 3 |
| Cg | L | A | Lu | Lu |
| 82 | 84 | 86 | 88 | 90 |
| ax : bx | ax : bx | ax : bx | ax : bx | ax : bx |
| 2 | 2 | 3 | 1 | 3 |
| ay : by | ay : by | ay : by | ay : by | ay : by |
| - | - | 2 | 1 | 3 |

2 WHEAT

| | | | |
|---------|---------|---------|---------|
| 3 | 5 | 7 b | 9 |
| ax : bx | ax : bx | ax : bx | ax : bx |
| ay : by | ay : by | ay : by | ay : by |
| 2 | 3 | 1 | 2 |
| Cg | R | A | Lu |
| 12 | 14 | 16 | 18 |
| ax : bx | ax : bx | ax : bx | ax : bx |
| 2 | 1 | 2 | 3 |
| ay : by | ay : by | ay : by | ay : by |
| - | 3 | 1 | 2 |

3

| | | | |
|---------------|---------------|---------------|---------------|
| 21 | 23 | 25 | 27 |
| Lu | Ln | H | Lc |
| 22 | 24 | 26 | 28 |
| 1st Treatment | 1st Treatment | 1st Treatment | 1st Treatment |

4 WHEAT

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| 29 b | 31 | 33 | 35 | 37 | 39 |
| R | ax : bx | ax : bx | ax : bx | ax : bx | ax : bx |
| c n | 1 | - | 3 | 1 | 2 |
| ay : by | ay : by | ay : by | ay : by | ay : by | ay : by |
| 3 | 2 | 2 | 1 | 2 | 3 |
| Cg | Lu | Lu | R | R | A |
| 32 | 34 | 36 | 38 | 40 | 42 |
| ax : bx | ax : bx | ax : bx | ax : bx | ax : bx | ax : bx |
| 2 | 3 | 1 | 2 | 3 | 2 |
| ay : by | ay : by | ay : by | ay : by | ay : by | ay : by |
| - | 1 | 3 | 2 | 1 | - |

5

| | | | | |
|---------------|---------------|---------------|---------------|---------------|
| 41 | 43 | 45 | 47 | 49 |
| Lu | Lc | Ln | R | O |
| 42 | 44 | 46 | 48 | 50 |
| 3rd Treatment | 3rd Treatment | 3rd Treatment | 3rd Treatment | 3rd Treatment |

Rothamsted LEY - ARABLE 17th Year F.L.A FOSTERS 1965 10

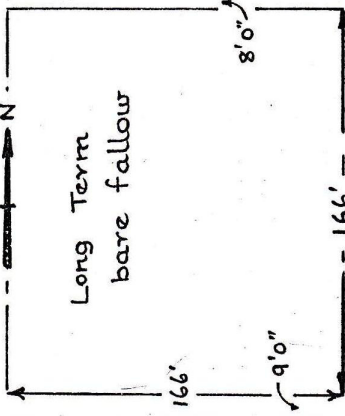
SYMBOLS

TREATMENT CROPS

- 3 year Leys 1962 - Cut.
- LC Grass/clover - No N.
- Lr Grass with N.
- Lr Lucerne
- 3 year Leys 1949 - 64
- L Grazed ley
- Cg Cut grass
- 3 years Arable "A"
- H Hay Sb Sugar beet
- O Oats
- R Long-term
- Reseeded grass

TEST CROPS

- W WHEAT
- P POTATOES
- B BARLEY
- Old Permanent Grass
- & Reseeded Grass
- Gc, Rc Without N } cut
- Gr, Rn With N }



| | | | | |
|---------------|-----|-----|-----|-----|
| 101 | 103 | 105 | 107 | 109 |
| LC | O | Lr | Lr | A |
| 102 | 104 | 106 | 108 | 110 |
| 3rd Treatment | | | | |

| | | | | |
|---------------|----|----|----|-----|
| 91 | 93 | 95 | 97 | 99 |
| Cg | Lr | L | A | R |
| 92 | 94 | 96 | 98 | 100 |
| 3rd Treatment | | | | |

| | | | | |
|---------------|----|----|----|----|
| 51 | 53 | 55 | 57 | 59 |
| Lr | Lr | LC | Lr | O |
| 52 | 54 | 56 | 58 | 60 |
| 3rd Treatment | | | | |

| | | | | |
|---------------|----|----|----|----|
| 61 | 63 | 65 | 67 | 69 |
| LC | Lr | Lr | R | A |
| 62 | 64 | 66 | 68 | 70 |
| 2nd Treatment | | | | |

| | | | | |
|---------------|----|----|----|----|
| 71 | 73 | 75 | 77 | 79 |
| Lr | LC | H | H | Lr |
| 72 | 74 | 76 | 78 | 80 |
| 1st Treatment | | | | |

| | | | | |
|---------------|----|----|----|----|
| 81 | 83 | 85 | 87 | 89 |
| Lr | Lr | LC | H | Lr |
| 82 | 84 | 86 | 88 | 90 |
| 1st Treatment | | | | |

| | | | | |
|---------------|-----|-----|-----|-----|
| 111 | 113 | 115 | 117 | 119 |
| L | Lr | R | A | Cg |
| 112 | 114 | 116 | 118 | 120 |
| 3rd Treatment | | | | |

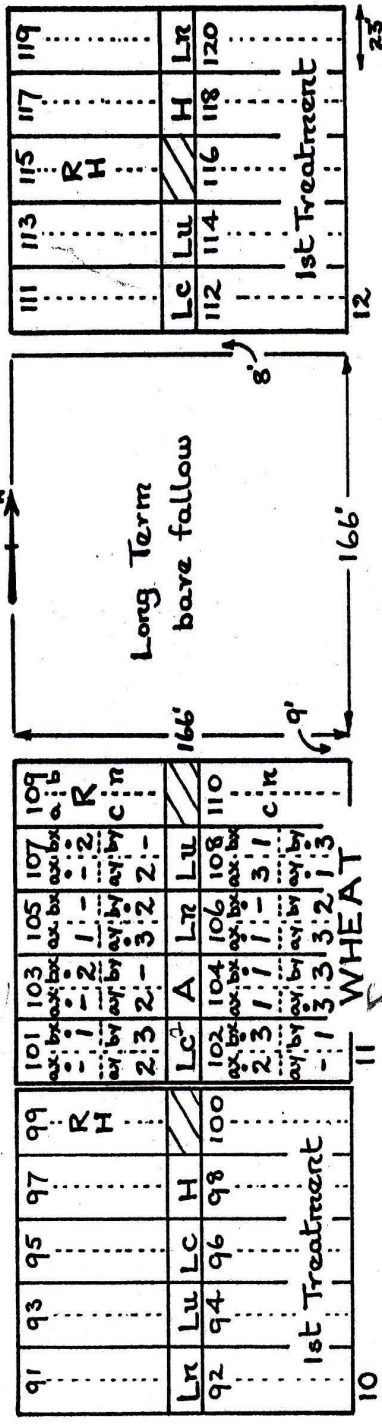
| | | | | |
|---------------|----|----|----|----|
| 11 | 13 | 15 | 17 | 19 |
| Cg | R | A | L | Lr |
| 12 | 14 | 16 | 18 | 20 |
| 2nd Treatment | | | | |

| | | | | |
|---------------|----|----|----|----|
| 21 | 23 | 25 | 27 | 29 |
| Lr | Lr | Sb | LC | R |
| 22 | 24 | 26 | 28 | 30 |
| 2nd Treatment | | | | |

| | | | | |
|---------------|----|----|----|----|
| 31 | 33 | 35 | 37 | 39 |
| Cg | Lr | L | R | A |
| 32 | 34 | 36 | 38 | 40 |
| 2nd Treatment | | | | |

| | | | | |
|---------------|----|----|----|----|
| 41 | 43 | 45 | 47 | 49 |
| Lr | LC | Lr | R | A |
| 42 | 44 | 46 | 48 | 50 |
| 2nd Treatment | | | | |

Rothamsted LEY-ARABLE 18th Year FLA FOSTERS 1966



SYMBOLS
TREATMENT CROPS
 3 year Leys 1962 - cut.
 Lc Grass/clover-No N.
 Ln Grass With N.
 Lu Lucerne
 3 year Leys 1949-64
 L Grazed ley
 Cg Cut grass
 3 years Arable "A"
 H Hay Sb Sugarbeet
 O oats
 R Long-term
 Reseeded grass

TEST CROPS
 W WHEAT
 P POTATOES
 B BARLEY
 Old Permanent Grass
 & Reseeded Grass
 Gc, Rc Without N } cut
 Gn, Rn With N }

| | | | | |
|---------------|-----|-----|-----|-----|
| 111 | 113 | 115 | 117 | 119 |
| | | R H | | |
| Lc | Lu | | H | Lr |
| 112 | 114 | 116 | 118 | 120 |
| 1st Treatment | | | | |

| | | | | |
|----------|-----|-----|-----|-----|
| 101 | 103 | 105 | 107 | 109 |
| | | | | R |
| Lc | A | Lr | Lu | |
| 102 | 104 | 106 | 108 | 110 |
| | | | | Cr |
| 11 WHEAT | | | | |

| | | | | |
|---------------|----|----|----|-----|
| 91 | 93 | 95 | 97 | 99 |
| | | | | R H |
| Ln | Lc | H | | |
| 92 | 94 | 96 | 98 | 100 |
| 1st Treatment | | | | |

| | | | | |
|---------|----|----|----|----|
| 51 | 53 | 55 | 57 | 59 |
| | | | | |
| Lu | Lc | Ln | La | |
| 52 | 54 | 56 | 58 | 60 |
| | | | | |
| 6 WHEAT | | | | |

| | | | | |
|----------|----|----|----|----|
| 11 | 13 | 15 | 17 | 19 |
| | | | | |
| Cg | R | A | L | Lu |
| 12 | 14 | 16 | 18 | 20 |
| | | | | |
| 2 BARLEY | | | | |

| | | | | |
|---------------|----|---|---|----|
| 1 | 3 | 5 | 7 | 9 |
| | | | | |
| Lc | Lu | | | Ln |
| 2 | 4 | 6 | 8 | 10 |
| | | | | |
| 3rd Treatment | | | | |

| | | | | |
|---------------|----|----|----|----|
| 81 | 83 | 85 | 87 | 89 |
| | | | | |
| Ln | Lc | Sb | Lu | |
| 82 | 84 | 86 | 88 | 90 |
| 2nd Treatment | | | | |

| | | | | |
|---------------|----|----|----|----|
| 71 | 73 | 75 | 77 | 79 |
| | | | | |
| Ln | Lc | Sb | Lu | |
| 72 | 74 | 76 | 78 | 80 |
| 2nd Treatment | | | | |

| | | | | |
|------------|----|----|----|----|
| 61 | 63 | 65 | 67 | 69 |
| | | | | |
| Lc | Ln | R | A | |
| 62 | 64 | 66 | 68 | 70 |
| 7 POTATOES | | | | |

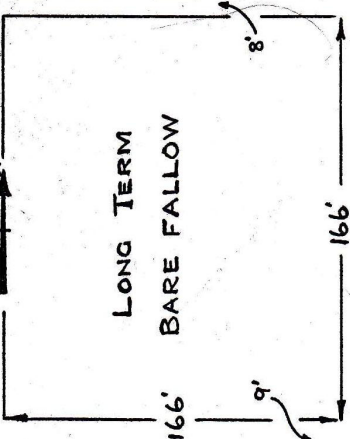
| | | | | |
|---------------|----|----|----|----|
| 21 | 23 | 25 | 27 | 29 |
| | | | | |
| Lu | Ln | O | Lc | |
| 22 | 24 | 26 | 28 | 30 |
| 3rd Treatment | | | | |

| | | | | |
|----------|----|----|----|----|
| 31 | 33 | 35 | 37 | 39 |
| | | | | |
| Cg | Lu | L | R | A |
| 32 | 34 | 36 | 38 | 40 |
| 4 BARLEY | | | | |

| | | | | |
|------------|----|----|----|----|
| 41 | 43 | 45 | 47 | 49 |
| | | | | |
| Lu | Lc | Ln | R | A |
| 42 | 44 | 46 | 48 | 50 |
| 5 POTATOES | | | | |

Rothamsted LEY-ARABLE 19th Year
 FOSTERS 1967
 FLA
 N 1966
 12

| | | | | | | | | | | | | | | | | | |
|-----|----|----|-----|----|----|-----|----|----|-----|----|----|---------------|-----|-----|-----|-----|--|
| 111 | a | b | 113 | a | b | 115 | a | b | 117 | a | b | 119 | a | b | | | |
| | | | | | | | | | | | | (R) | | | | | |
| Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | | | |
| | | | | | | | | | | | | 112 | 114 | 116 | 118 | 120 | |
| | | | | | | | | | | | | 2nd Treatment | | | | | |



| | | | | | | | | | | | | | | | | | | | |
|-----|----|----|-----|----|----|-----|----|----|-----|----|----|---------------|-----|-----|-----|-----|---|---|---|
| 101 | a | b | 103 | a | b | 105 | a | b | 107 | a | b | 109 | a | b | | | | | |
| | | | | | | | | | | | | F | D | F | D | F | D | F | D |
| Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | | | | | |
| | | | | | | | | | | | | 102 | 104 | 106 | 108 | 110 | | | |
| | | | | | | | | | | | | 2nd Treatment | | | | | | | |

| | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|-----|--|
| 91 | a | b | 93 | a | b | 95 | a | b | 97 | a | b | 99 | a | b | | | |
| | | | | | | | | | | | | (R) | | | | | |
| Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | | | |
| | | | | | | | | | | | | 92 | 94 | 96 | 98 | 100 | |
| | | | | | | | | | | | | 2nd Treatment | | | | | |

| | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|----|--|
| 51 | a | b | 53 | a | b | 55 | a | b | 57 | a | b | 59 | a | b | | | |
| | | | | | | | | | | | | F | F | F | F | F | |
| Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | | | |
| | | | | | | | | | | | | 52 | 54 | 56 | 58 | 60 | |
| | | | | | | | | | | | | 2nd Treatment | | | | | |

| | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|----|--|
| 71 | a | b | 73 | a | b | 75 | a | b | 77 | a | b | 79 | a | b | | | |
| | | | | | | | | | | | | (R) | | | | | |
| Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | | | |
| | | | | | | | | | | | | 72 | 74 | 76 | 78 | 80 | |
| | | | | | | | | | | | | 3rd Treatment | | | | | |

| | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|----|--|
| 81 | a | b | 83 | a | b | 85 | a | b | 87 | a | b | 89 | a | b | | | |
| | | | | | | | | | | | | (R) | | | | | |
| Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | | | |
| | | | | | | | | | | | | 82 | 84 | 86 | 88 | 90 | |
| | | | | | | | | | | | | 3rd Treatment | | | | | |

| | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|----|--|
| 61 | a | b | 63 | a | b | 65 | a | b | 67 | a | b | 69 | a | b | | | |
| | | | | | | | | | | | | (R) | | | | | |
| Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | | | |
| | | | | | | | | | | | | 62 | 64 | 66 | 68 | 70 | |
| | | | | | | | | | | | | 3rd Treatment | | | | | |

| | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|----|--|
| 21 | a | b | 23 | a | b | 25 | a | b | 27 | a | b | 29 | a | b | | | |
| | | | | | | | | | | | | (R) | | | | | |
| Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | | | |
| | | | | | | | | | | | | 22 | 24 | 26 | 28 | 30 | |
| | | | | | | | | | | | | 1st Treatment | | | | | |

| | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|----|--|
| 31 | a | b | 33 | a | b | 35 | a | b | 37 | a | b | 39 | a | b | | | |
| | | | | | | | | | | | | (R) | | | | | |
| Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | | | |
| | | | | | | | | | | | | 32 | 34 | 36 | 38 | 40 | |
| | | | | | | | | | | | | 1st Treatment | | | | | |

| | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|----|--|
| 41 | a | b | 43 | a | b | 45 | a | b | 47 | a | b | 49 | a | b | | | |
| | | | | | | | | | | | | (R) | | | | | |
| Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | | | |
| | | | | | | | | | | | | 42 | 44 | 46 | 48 | 50 | |
| | | | | | | | | | | | | 3rd Treatment | | | | | |

| | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|----|--|
| 1 | a | b | 2 | a | b | 3 | a | b | 4 | a | b | 5 | a | b | | | |
| | | | | | | | | | | | | (R) | | | | | |
| Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | | | |
| | | | | | | | | | | | | 10 | 11 | 12 | 13 | 14 | |
| | | | | | | | | | | | | 1st Treatment | | | | | |

| | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|----|--|
| 6 | a | b | 7 | a | b | 8 | a | b | 9 | a | b | 10 | a | b | | | |
| | | | | | | | | | | | | (R) | | | | | |
| Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | | | |
| | | | | | | | | | | | | 15 | 16 | 17 | 18 | 19 | |
| | | | | | | | | | | | | 1st Treatment | | | | | |

| | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|----|--|
| 11 | a | b | 13 | a | b | 15 | a | b | 17 | a | b | 19 | a | b | | | |
| | | | | | | | | | | | | (R) | | | | | |
| Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | | | |
| | | | | | | | | | | | | 12 | 14 | 16 | 18 | 20 | |
| | | | | | | | | | | | | 1st Treatment | | | | | |

| | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|----|--|
| 21 | a | b | 23 | a | b | 25 | a | b | 27 | a | b | 29 | a | b | | | |
| | | | | | | | | | | | | (R) | | | | | |
| Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | | | |
| | | | | | | | | | | | | 22 | 24 | 26 | 28 | 30 | |
| | | | | | | | | | | | | 1st Treatment | | | | | |

| | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|----|--|
| 31 | a | b | 33 | a | b | 35 | a | b | 37 | a | b | 39 | a | b | | | |
| | | | | | | | | | | | | (R) | | | | | |
| Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | | | |
| | | | | | | | | | | | | 32 | 34 | 36 | 38 | 40 | |
| | | | | | | | | | | | | 1st Treatment | | | | | |

| | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|----|--|
| 41 | a | b | 43 | a | b | 45 | a | b | 47 | a | b | 49 | a | b | | | |
| | | | | | | | | | | | | (R) | | | | | |
| Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | Lc | Lu | Sb | | | |
| | | | | | | | | | | | | 42 | 44 | 46 | 48 | 50 | |
| | | | | | | | | | | | | 3rd Treatment | | | | | |

SYMBOLS
 Treatment Crops.
 3 year Leys. Cut:
 Lc Grass/Clver, No N
 Ln Grass with N
 Lu Lucerne
 3 years Arable 'A' (R)
 H Hay Sb Sugarbeet
 O Oats
 (R) Long-term reseeded grass. Ploughed up for TEST crops.

TEST CROPS
 W Wheat
 P Potatoes
 B Barley
 Old Permanent & Reseeded Grass. Cut:
 Ge, Rc No N
 Gn, Rn with N

Rothamsted LEY-ARABLE 20th. Year FLA FOSTERS 1968 12

SYMBOLS

Treatment Crops
3 year Leys, cut:

Lc Grass/clover, No N.
Ln Grass with N
Lu Lucerne.

3 years Arable A'(R)(G)
H Hay Sb Sugarbeet
O Oats

(G),(R) Permanent & Long-term reseeded grass ploughed up for TEST crops.

TEST CROPS

Sequence 1949 - 1969
(W) P B W*
(W* 1968 only)

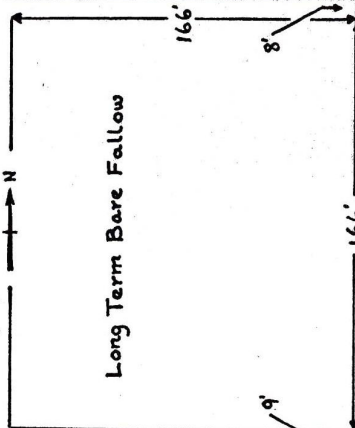
Sequence 1968 -

P* W B
W Wheat, P Potatoes
B Barley

Old Permanent (Highfield) & Reseeded Grass, cut:

Gc, Rc No nitrogen
Gr, Rn With nitrogen.

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 91/b | 93 | 95 | 97 | 99 | 101 | 103 | 105 | 107 | 109 |
| ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx |
| 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 |
| Ln | Lu | Lc | O | O | Lc | A | Ln | Lu | R |
| 92 | 94 | 96 | 98 | 100 | 102 | 104 | 106 | 108 | 110 |
| ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx |
| 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 |
| Ln | Lu | Lc | O | O | Lc | A | Ln | Lu | R |



| | | | | |
|--------|-------|-------|-------|-------|
| a/11/b | 113 | 115 | 117 | 119 |
| ax/bx | ax/bx | ax/bx | ax/bx | ax/bx |
| 2/3 | 2/3 | 2/3 | 2/3 | 2/3 |
| Lc | Lu | O | O | Ln |
| 112 | 114 | 116 | 118 | 120 |
| ax/bx | ax/bx | ax/bx | ax/bx | ax/bx |
| 2/3 | 2/3 | 2/3 | 2/3 | 2/3 |
| Ln | Lu | Lc | Ln | Lu |

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 61 | 63 | 65 | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 |
| ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx |
| 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 |
| Lc | Ln | Lu | (R) | A | Ln | Lc | AH | (R) | Lu | Ln | Lc | AH | (R) | Lu |
| 62 | 64 | 66 | 68 | 70 | 72 | 74 | 76 | 78 | 80 | 82 | 84 | 86 | 88 | 90 |
| ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx |
| 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 |
| Lc | Ln | Lu | (R) | A | Ln | Lc | AH | (R) | Lu | Ln | Lc | AH | (R) | Lu |

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 | 67 | 69 |
| ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx |
| 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 |
| Ln | Lc | Lc | Lc | Lc | Lc | Lc | Lc | Lc | Lc |
| 52 | 54 | 56 | 58 | 60 | 62 | 64 | 66 | 68 | 70 |
| ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx |
| 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 |
| Ln | Lc | Lc | Lc | Lc | Lc | Lc | Lc | Lc | Lc |

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| a/2/b | 23 | 25 | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 |
| ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx |
| 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 |
| F | F | F | F | F | F | F | F | F | F | F | F | F | F | F |
| Ln | Ln | A | Lc | R | Ln | Lu | Lc | Sb | Sb | Lu | Lc | Ln | (R) | A |
| 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 |
| ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx |
| 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 |
| D | F | F | F | F | D | F | F | F | F | D | F | F | F | F |
| Ln | Ln | A | Lc | R | Ln | Lu | Lc | Sb | Sb | Lu | Lc | Ln | (R) | A |

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| a/1/b | 13 | 15 | 17 | 19 | 21 | 23 | 25 | 27 | 29 |
| ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx |
| 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 |
| Ln | Sb | Sb | Lc | Lu | Ln | Lu | Lc | Sb | Sb |
| 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
| ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx | ax/bx |
| 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 | 2/3 |
| D | F | F | F | F | D | F | F | F | F |
| Ln | Ln | A | Lc | R | Ln | Lu | Lc | Sb | Sb |