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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	a	b	a	b	a	b	a	b	a
	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	a	b	a	b	a	b	a	b	a
	N	N	N	N	N	N	N	N	N	N
	2	1	2	1	2	1	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	1	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 1st year grazed ley
Permanet 3rd yr 1 cut
grass 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 N1	cwt. N per acre as nitrochalk N2	Basal dressing per acre
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

1951 3rd year



Code letter M

111	113	115	117	119	Present crop
a b	a b	a b	a b	a b	
N N	N N	N N	N N	N N	
2 1	1 1	N 1	1 2 2 1	1	

112	114	116	118	120	Rotation
a b	a b	a b	a b	a b	
N N	N N	N N	N N	N N	
1 2 2 2	2 2	2	1 2 2 1	1	

111	113	115	117	119	Rotation
(L) (Lu) (R) (A) (Cg)	(L) (Lu) (R) (A) (Cg)	(L) (Lu) (R) (A) (Cg)	(L) (Lu) (R) (A) (Cg)	(L) (Lu) (R) (A) (Cg)	

91	93	95	97	99	101	103	105	107	109	Rotation
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	N N	N N	N N	N N	N N	
2 2 2 1	1 2 2 2	2 2	2 2	1	2	N 2	N 2	N 2	N 2	

92	94	96	98	100	102	104	106	108	110	Rotation
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	N N	N N	N N	N N	N N	
1 1 2 1 2 1	1 1	2	1	2	1	1 2 2 1	1 2 2 1	1	1	

91	93	95	97	99	101	103	105	107	109	Rotation
(Cg) (Lu) (L) (A) (R) (L) (A) (Cg) (Lu) (R)	(Cg) (Lu) (L) (A) (R) (L) (A) (Cg) (Lu) (R)	(Cg) (Lu) (L) (A) (R) (L) (A) (Cg) (Lu) (R)	(Cg) (Lu) (L) (A) (R) (L) (A) (Cg) (Lu) (R)	(Cg) (Lu) (L) (A) (R) (L) (A) (Cg) (Lu) (R)	(Cg) (Lu) (L) (A) (R) (L) (A) (Cg) (Lu) (R)	(Cg) (Lu) (L) (A) (R) (L) (A) (Cg) (Lu) (R)	(Cg) (Lu) (L) (A) (R) (L) (A) (Cg) (Lu) (R)	(Cg) (Lu) (L) (A) (R) (L) (A) (Cg) (Lu) (R)	(Cg) (Lu) (L) (A) (R) (L) (A) (Cg) (Lu) (R)	

n,d on treatment crops
N,D on test crops (W,R,B)
(d)(D) residuals of 1950 dung treatments

grazed this yr

51	53	55	57	59	61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	Rotation
(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	

52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	Rotation
(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	(Lu) (R) (L) (Cg) (A)	

21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	Rotation
(Lu) (Cg) (A) (L) (R) (A) (L) (Cg) (Lu) (R)	(Lu) (Cg) (A) (L) (R) (A) (L) (Cg) (Lu) (R)	(Lu) (Cg) (A) (L) (R) (A) (L) (Cg) (Lu) (R)	(Lu) (Cg) (A) (L) (R) (A) (L) (Cg) (Lu) (R)	(Lu) (Cg) (A) (L) (R) (A) (L) (Cg) (Lu) (R)	(Lu) (Cg) (A) (L) (R) (A) (L) (Cg) (Lu) (R)	(Lu) (Cg) (A) (L) (R) (A) (L) (Cg) (Lu) (R)	(Lu) (Cg) (A) (L) (R) (A) (L) (Cg) (Lu) (R)	(Lu) (Cg) (A) (L) (R) (A) (L) (Cg) (Lu) (R)	(Lu) (Cg) (A) (L) (R) (A) (L) (Cg) (Lu) (R)	(Lu) (Cg) (A) (L) (R) (A) (L) (Cg) (Lu) (R)	(Lu) (Cg) (A) (L) (R) (A) (L) (Cg) (Lu) (R)	(Lu) (Cg) (A) (L) (R) (A) (L) (Cg) (Lu) (R)	(Lu) (Cg) (A) (L) (R) (A) (L) (Cg) (Lu) (R)	(Lu) (Cg) (A) (L) (R) (A) (L) (Cg) (Lu) (R)	

1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	Rotation
(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu)	

FOSTERS
LEY AND ARABLE ROTATIONS EXPERIMENT

5 FEB 1952

1952 4th year

code letter M.

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

(Cg) (Lu) (L) (A) (R) (L) (A) (Cg) (Lu) (R) BLOCK 11

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

(Lu) (R) (L) (Cg) (A) BLOCK 6

1	3	5	7	9	11	13	15	17	19
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
2	4	6	8	10	12	14	16	18	20
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

(L) (A) (Lu) (R) (Cg) (R) (A) (L) (Lu) BLOCK 2

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.

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

(L) (Lu) (R) (A) (Cg) Rotation BLOCK 12

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

(L) (Cg) (Lu) (R) (A) (Cg) (L) (A) (R) (Lu) (R) (Cg) (L) (A) (Lu) Rotation BLOCK 8

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

(Lu) (Cg) (A) (L) (R) (Cg) (Lu) (L) (R) (A) (Lu) (L) (Cg) (R) (A) Rotation BLOCK 9

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 B₂O₅ & 2.4 cwt K₂O

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



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

Code letter M.

91	93	95	97	99	101	103	105	107	109
a	b	a	b	a	b	a	b	a	b
N	D	N	N	N	N	D	N	N	N
B	B	B	B	3R	3L	B	3Cg	3Lu	3R

92	94	96	98	100	102	104	106	108	110
a	b	a	b	a	b	a	b	a	b
N	D	N	D	N	D	N	N	N	N
B	B	B	B	3R	3L	B	3Cg	3Lu	3R



Rotation

Present crop

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

51	53	55	57	59
a	b	a	b	a
N	N	N	D	N
3Lu	3R	3L	3Cg	B

52	54	56	58	60
a	b	a	b	a
N	N	N	N	N
3Lu	3R	3L	3Cg	B

61	63	65	67	69	71	73	75	77	79	81	83	85	87	89
a	b	a	b	a	b	a	b	a	b	a	b	a	b	a
N	N	N	N	N	N	D	N	N	N	N	N	N	N	N
W	W	W	IR	W	ICg	IL	H	IR	ILU	IR	ICg	IL	H	ILU

62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
a	b	a	b	a	b	a	b	a	b	a	b	a	b	a
N	N	N	N	N	N	D	N	N	N	N	N	N	N	N
W	W	W	IR	W	ICg	IL	H	IR	ILU	IR	ICg	IL	H	ILU

1	3	5	7	9	11	13	15	17	19
a	b	a	b	a	b	a	b	a	b
N	N	N	D	N	N	D	N	N	D
2L	P	2Lu	2R	2Cg	P	2R	P	P	P

2	4	6	8	10	12	14	16	18	20
a	b	a	b	a	b	a	b	a	b
N	N	N	D	N	N	D	N	N	D
2L	P	2Lu	2R	2Cg	P	2R	P	P	P

21	23	25	27	29	31	33	35	37	39	41	43	45	47	49
a	b	a	b	a	b	a	b	a	b	a	b	a	b	a
N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2Lu	2Cg	P	2L	2R	P	P	P	2R	P	W	W	IR	W	W

22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
a	b	a	b	a	b	a	b	a	b	a	b	a	b	a
N	N	N	N	N	D	D	D	N	N	N	N	N	N	N
2Lu	2Cg	P	2L	2R	P	P	P	2R	P	W	W	IR	W	W

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.

Test crops
 Wheat, Potatoes, Barley

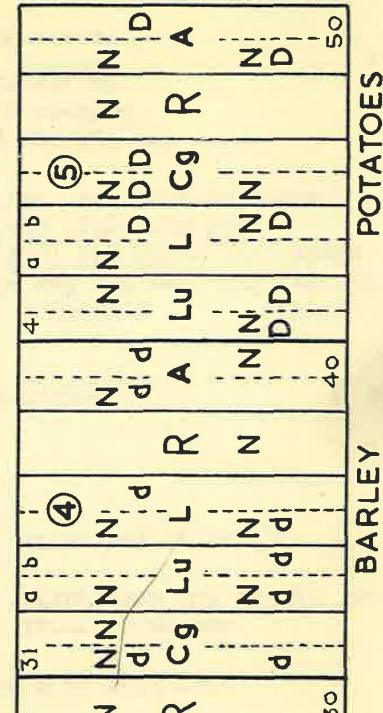
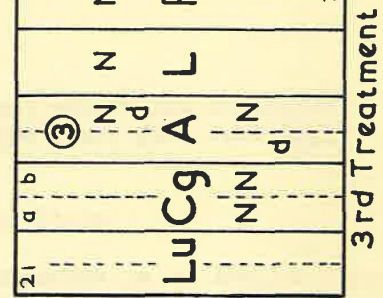
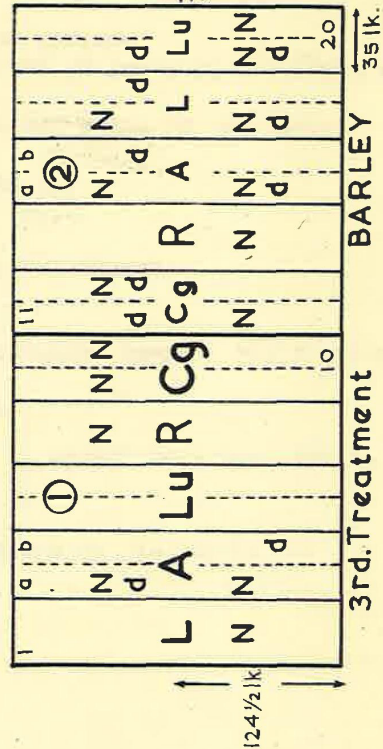
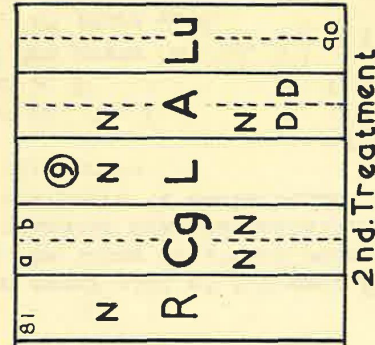
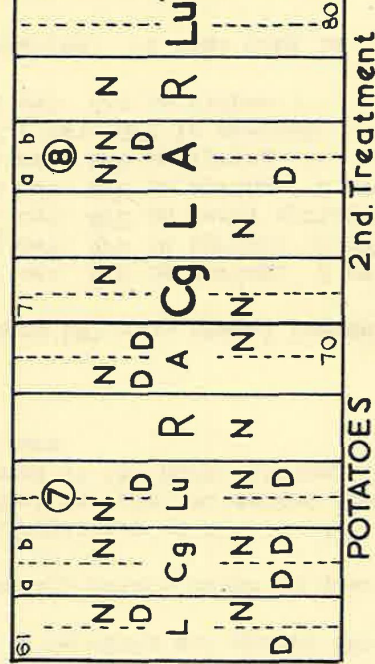
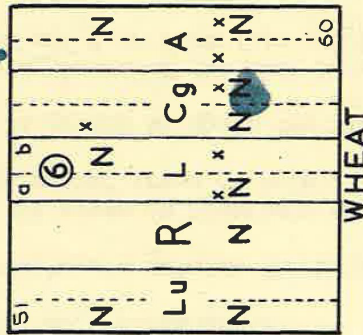
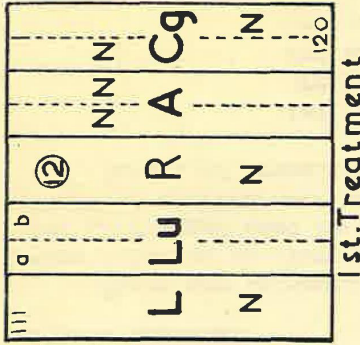
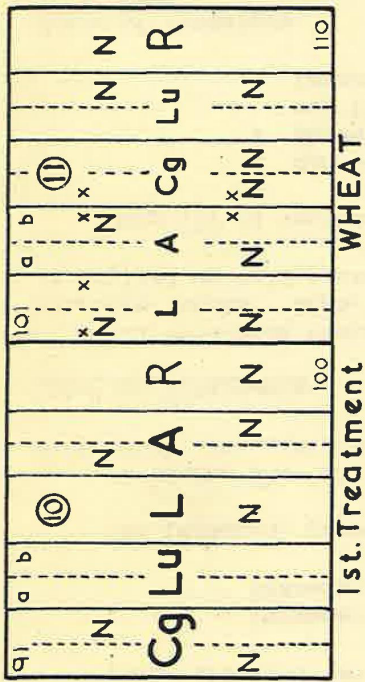
All crops (except Lucerne) have nitrogen at Single (no symbol) & at double (N) rates
 Cg :- 2 cwt. N/c in spring, 2 cwt. N/c after each cut.
 L :- 1 cwt. N/c in spring, 1 cwt. N/c later in season.
 Wheat (W) 4 cwt. N/c, Barley (B) 2.7 cwt. N/c, Hay (H) 4 cwt. N/c.
 Potatoes (P) 5 cwt. sulphate of ammonia.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

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.)

12 1/2 ft

3 1/2 ft cross path

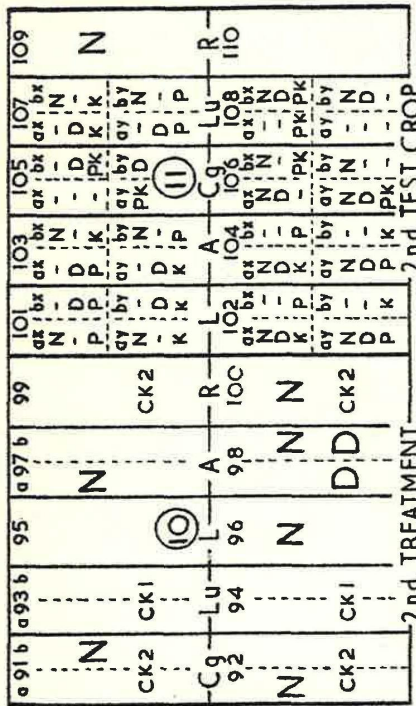
21 July 1954

Treatments overlaid

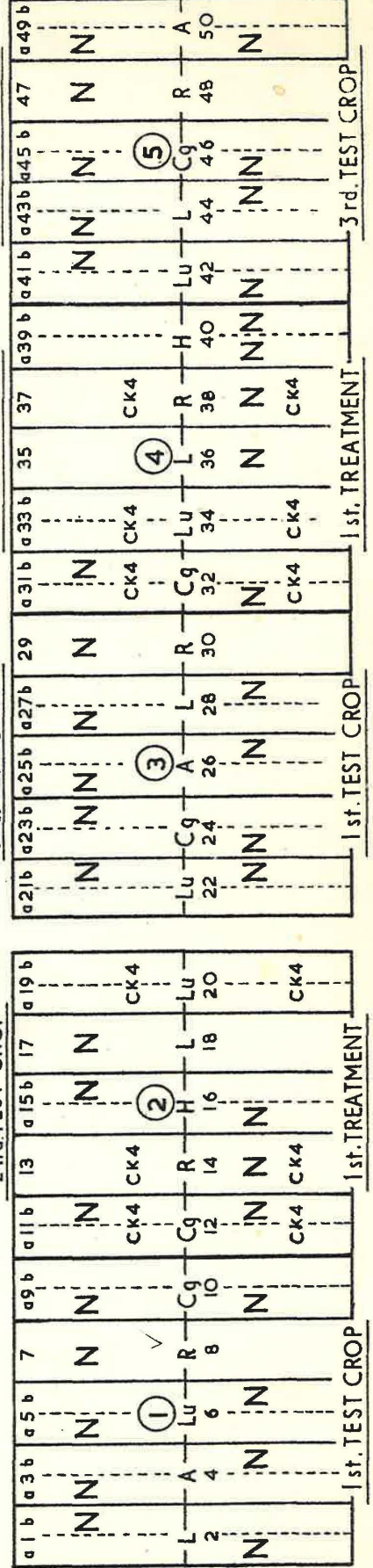
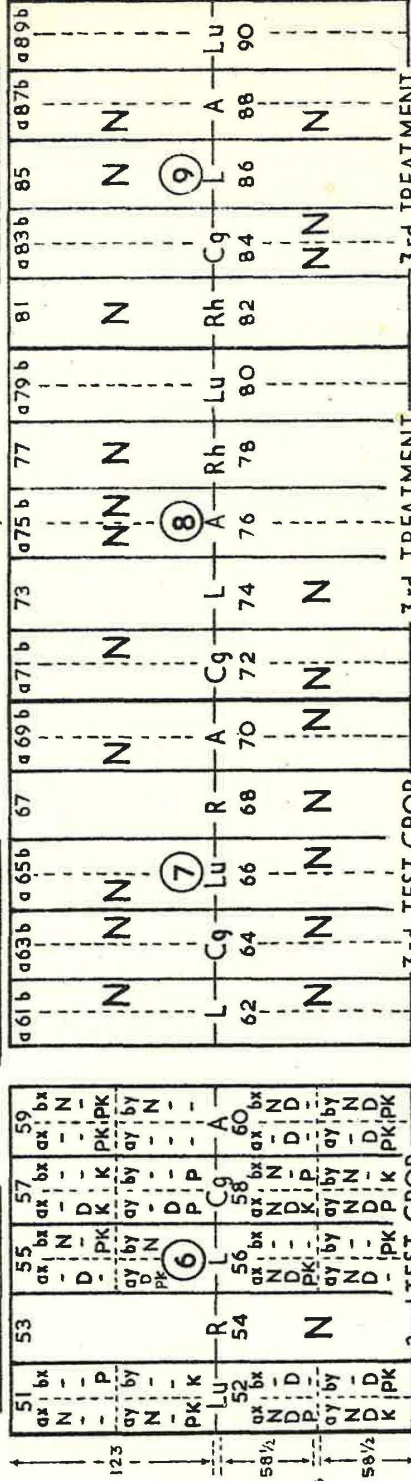
JUN 1955

LEY-ARABLE ROTATIONS FOSTERS

Code Letter M
SEVENTH YEAR
1955



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



Measurements to Potatoes only. Blocks 6 and 11

61ks
58 1/2
61ks
58 1/2

N

**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	(11)	N	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	N	NN	N	N	N	N	N

1st. Treatment Wheat

a11b	9	a13b	a15b	17	a19b
N	N	N	(2)	N	N
Cg	L	R	A	L	Lu
12	14	16	18	20	
N	N	N	ND	N	N

2nd. Treatment Potatoes

a21b	a23b	a25b	a27b	29	a31b	a33b	35	37	a39b	a41b	a43b	a45b	a47b	a49b
ax	bx	ax	bx	N	N	(3)	(4)	N	D	N	N	(5)	N	N
-	-	-	-	R	Cg	Lu	L	R	A	Lu	L	Cg	Rh	H
22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
-	-	-	-	-	-	-	N	N	NN	N	N	N	N	N

1st. Treatment Potatoes

*Wheat - 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 - -	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 d	94 1 d	96 2 d	98 4 d	100 - -	102 - -	104 - -	106 - -	108 - -	110 - -

a51b 53 -	a53b 54 -	a55b 56 -	a57b 58 -	a59b 60 -
Lu	Rh	L	Cg	H
52 -	54 N	56 N	58 N	60 N

a111b 3 N	a113b 1 N	a115 1 N	a117b 4 N	a119b 3 N
L	Lu	R	A	Cg
112 2 d	114 1 d	116 1 d	118 4 d	120 3 d

81 N	82 -	83 N	84 N	85 N	86 N	87 N	88 N	89 N	90 N
D	N	P	K	A	L	A	L	Lu	Lu
79 D	80 N	81 N	82 N	83 N	84 N	85 N	86 N	87 N	88 N

a115 43 N	a117b 47 N	a119b 50 N
L	R	P
44 -	46 N	48 -

a111b 3 N	a113b 1 N	a115 1 N	a117b 4 N	a119b 3 N
L	Lu	R	A	Cg
112 2 d	114 1 d	116 1 d	118 4 d	120 3 d

71 N	72 N	73 N	74 N	75 N	76 N	77 N	78 -	79 D	80 N
Cg	L	A	L	A	L	A	L	Lu	Lu
71 N	72 N	73 N	74 N	75 N	76 N	77 N	78 -	79 D	80 N

a115 43 N	a117b 47 N	a119b 50 N
L	R	P
44 -	46 N	48 -

a103b 1 N	a105b 1 N	a107b 1 N	109 N
H	Cg	Lu	Rh
104 -	106 -	108 -	110 -

a61 62 -	a63b 64 -	a65b 66 -	a67b 68 -	a69b 70 -
L	Cg	Lu	R	P
62 -	64 -	66 -	68 -	70 -

a21b 22 -	a23b 24 -	a25b 26 -	a27b 28 -	a29b 30 -	a31b 32 -	a33b 34 -	a35b 36 -	a37b 38 -	a39b 40 -	a41b 42 -	a43b 44 -	a45b 46 -	a47b 48 -	a49b 50 -
Lu	Cg	A	L	R	Cg	Lu	L	R	O	Lu	L	Cg	R	P
22 -	24 -	26 -	28 -	30 -	32 -	34 -	36 -	38 -	40 -	42 -	44 -	46 -	48 -	50 -

a91b 3 N	a93b 1 N	a95b 2 N	a97b 4 N	99 -	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 d	94 1 d	96 2 d	98 4 d	100 -	102 -	104 -	106 -	108 -	110 -

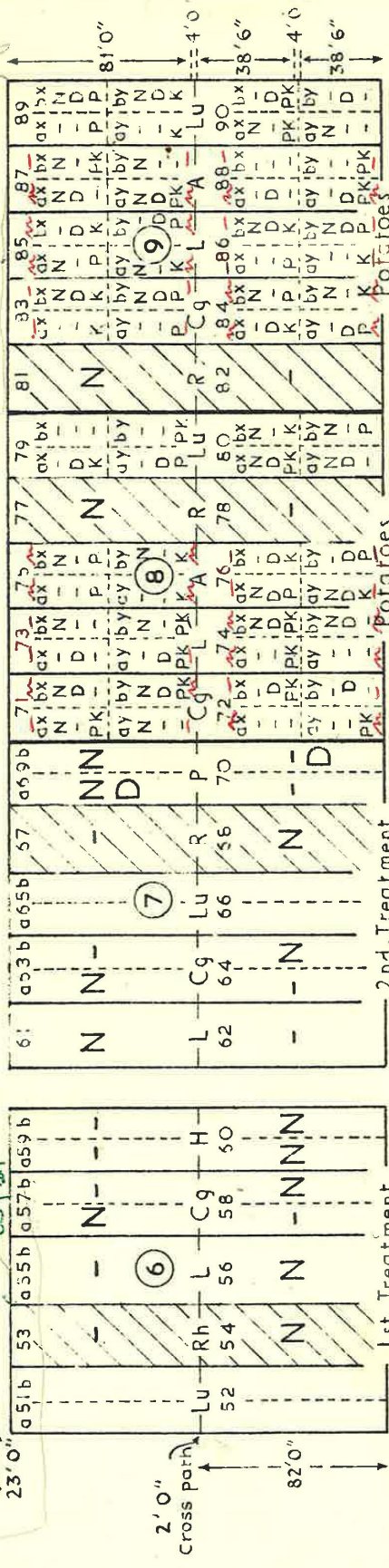
a51b 53 -	a53b 54 -	a55b 56 -	a57b 58 -	a59b 60 -
Lu	Rh	L	Cg	H
52 -	54 N	56 N	58 N	60 N

a7 7 N	a5b 5 N	a3b 3 N	a1b 1 N	a19b 19 N	a17b 17 N	a15b 15 N	a13b 13 N	a11b 11 N	a9b 9 N	a7b 7 N	a5b 5 N	a3b 3 N	a1b 1 N
R	Lu	A	L	Lu	L	O	R	Cg	Cg	R	L	L	L
8 -	6 -	4 -	2 -	20 -	18 -	16 -	14 -	12 -	10 -	8 -	6 -	4 -	2 -

a91b 3 N	a93b 1 N	a95b 2 N	a97b 4 N	99 -	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 d	94 1 d	96 2 d	98 4 d	100 -	102 -	104 -	106 -	108 -	110 -

a51b 53 -	a53b 54 -	a55b 56 -	a57b 58 -	a59b 60 -
Lu	Rh	L	Cg	H
52 -	54 N	56 N	58 N	60 N

a7 7 N	a5b 5 N	a3b 3 N	a1b 1 N	a19b 19 N	a17b 17 N	a15b 15 N	a13b 13 N	a11b 11 N	a9b 9 N	a7b 7 N	a5b 5 N	a3b 3 N	a1b 1 N
R	Lu	A	L	Lu	L	O	R	Cg	Cg	R	L	L	L
8 -	6 -	4 -	2 -	20 -	18 -	16 -	14 -	12 -	10 -	8 -	6 -	4 -	2 -



7 FEB 1957

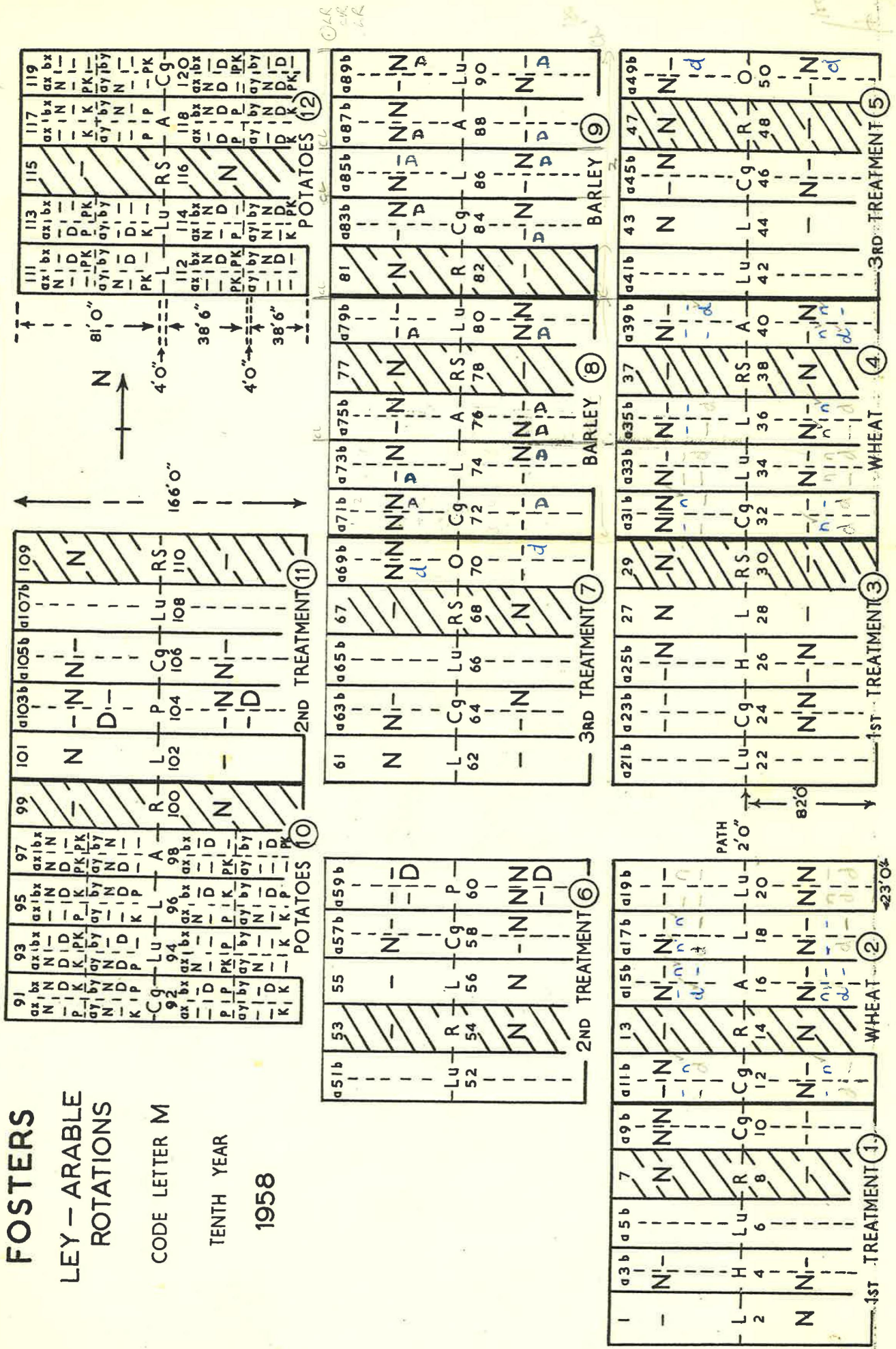
FOSTERS

LEY - ARABLE
ROTATIONS

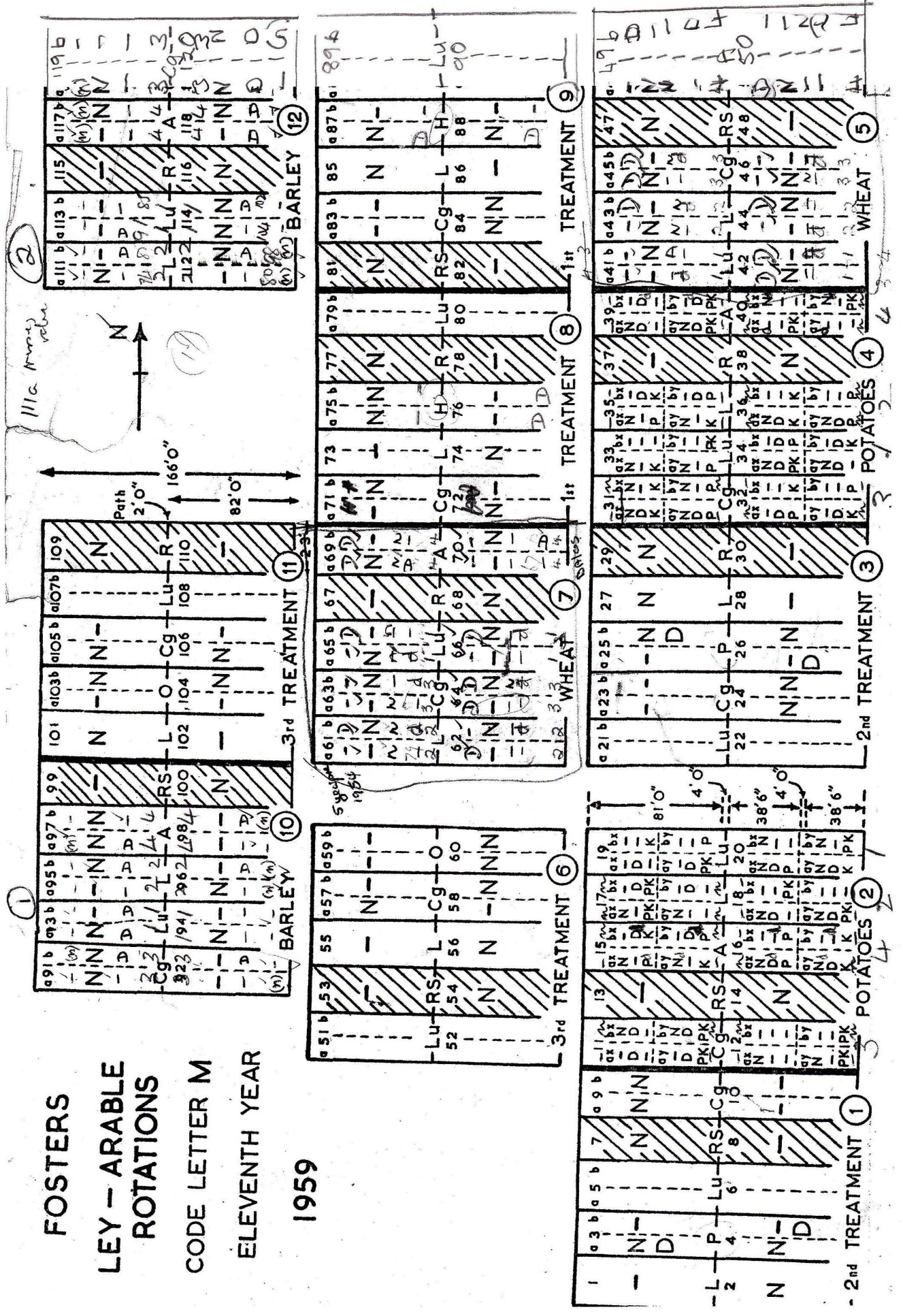
CODE LETTER M

TENTH YEAR

1958

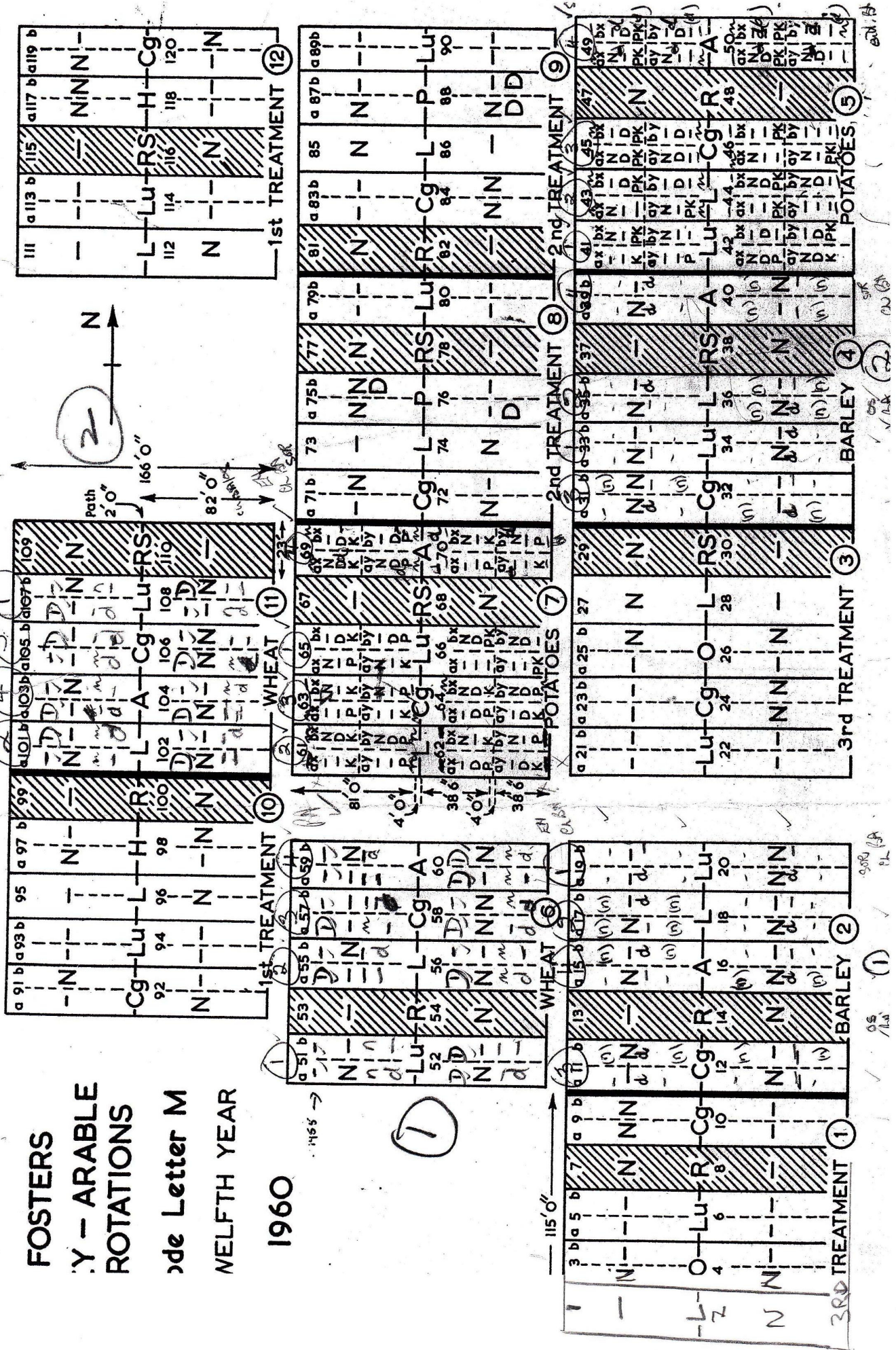


FOSTERS
LEY - ARABLE
ROTATIONS
CODE LETTER M
ELEVENTH YEAR
1959



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

1960





Site of
Permanent
Bare 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

12

F = PK in place of dung (D) to 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

Start

41	43	45	47	49
a b	a b	a b	a b	a b
7LU	2L	3Cg	RS	A
42	44	46	48	50
a b	a b	a b	a b	a b

1st Treatment

BARLEY

L	A	Cg	LU
101 b	103 b	105 b	107 b
a b	a b	a b	a b
102 b	104 b	106 b	108 b
a b	a b	a b	a b
109	110		
a b	a b		

POTATOES

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
2L	3Cg	LU	R	A	L	O	R	LU	80
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

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
LU	Cg	A	L	R	H	L	R	H
22	24	26	28	30	32	34	36	38
a b	a b	a b	a b	a b	a b	a b	a b	a b

1st Treatment

WHEAT

91	93	95	97
a b	a b	a b	a b
Cg	LU	L	S
92	94	96	98
a b	a b	a b	a b

2nd Treatment

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

POTATOES

7	9	11	13	15	17	19
a b	a b	a b	a b	a b	a b	a b
LU	RS	Cg	H	L	LU	20
6	8	10	12	14	16	18
a b	a b	a b	a b	a b	a b	a b

1st Treatment

WHEAT

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

51 a, b

52 a, b

23' 0"

4

7

2

3

2

4

2

4

2

4

2

3

14th YEAR 1962

Code letter: FLA

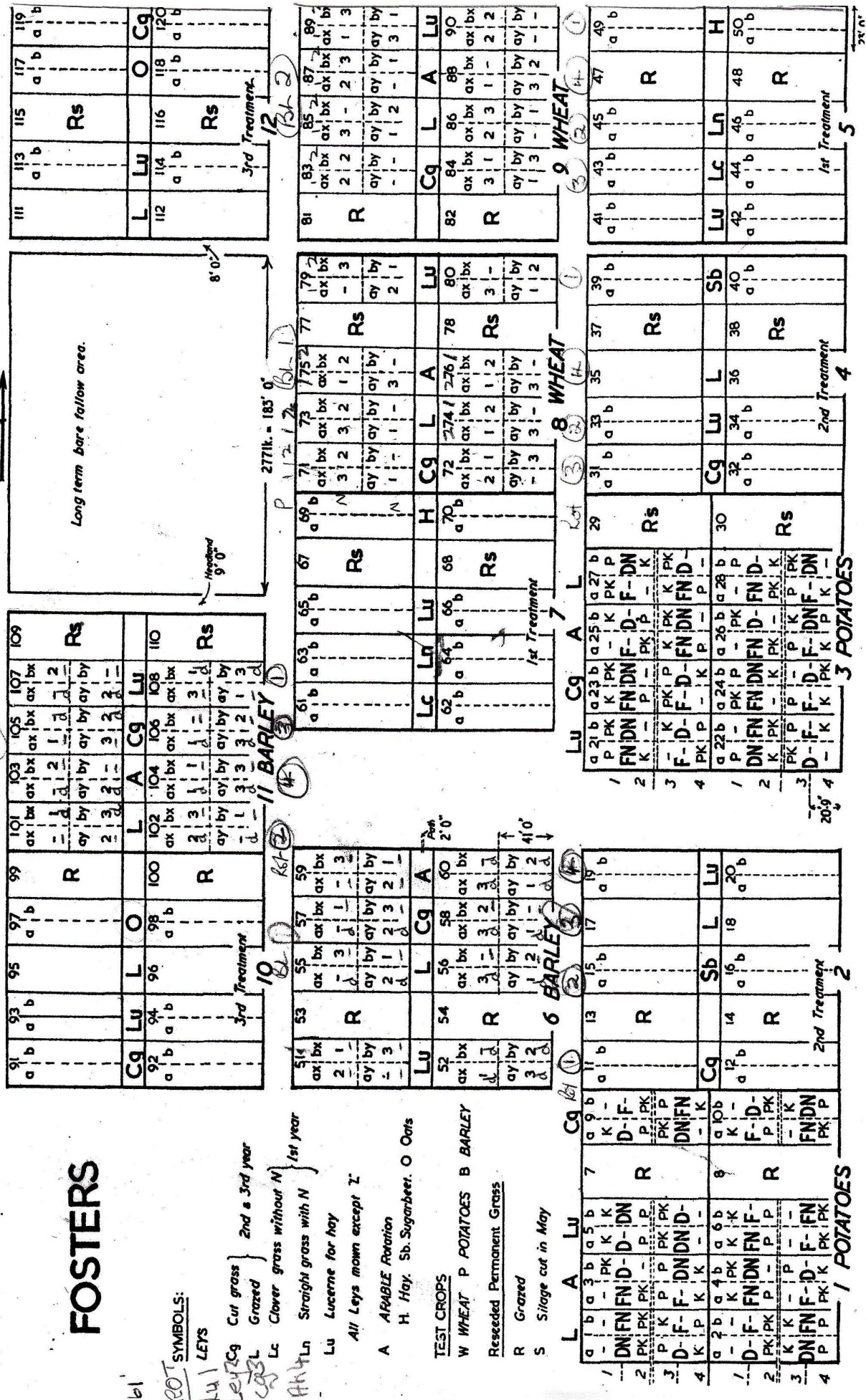
LEY-ARABLE ROTATIONS

ROTHAMSTED

FOSTERS

- ROTS SYMBOLS:**
 LU1 LEYS
 Ley Cg Cut grass } 2nd & 3rd year
 Cg3 L Grazed }
 Lc Clover grass without N } 1st year
 A H4 Straight grass with N }
 Lu Lucerne for hay }
 All Leys mown except Z }
 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

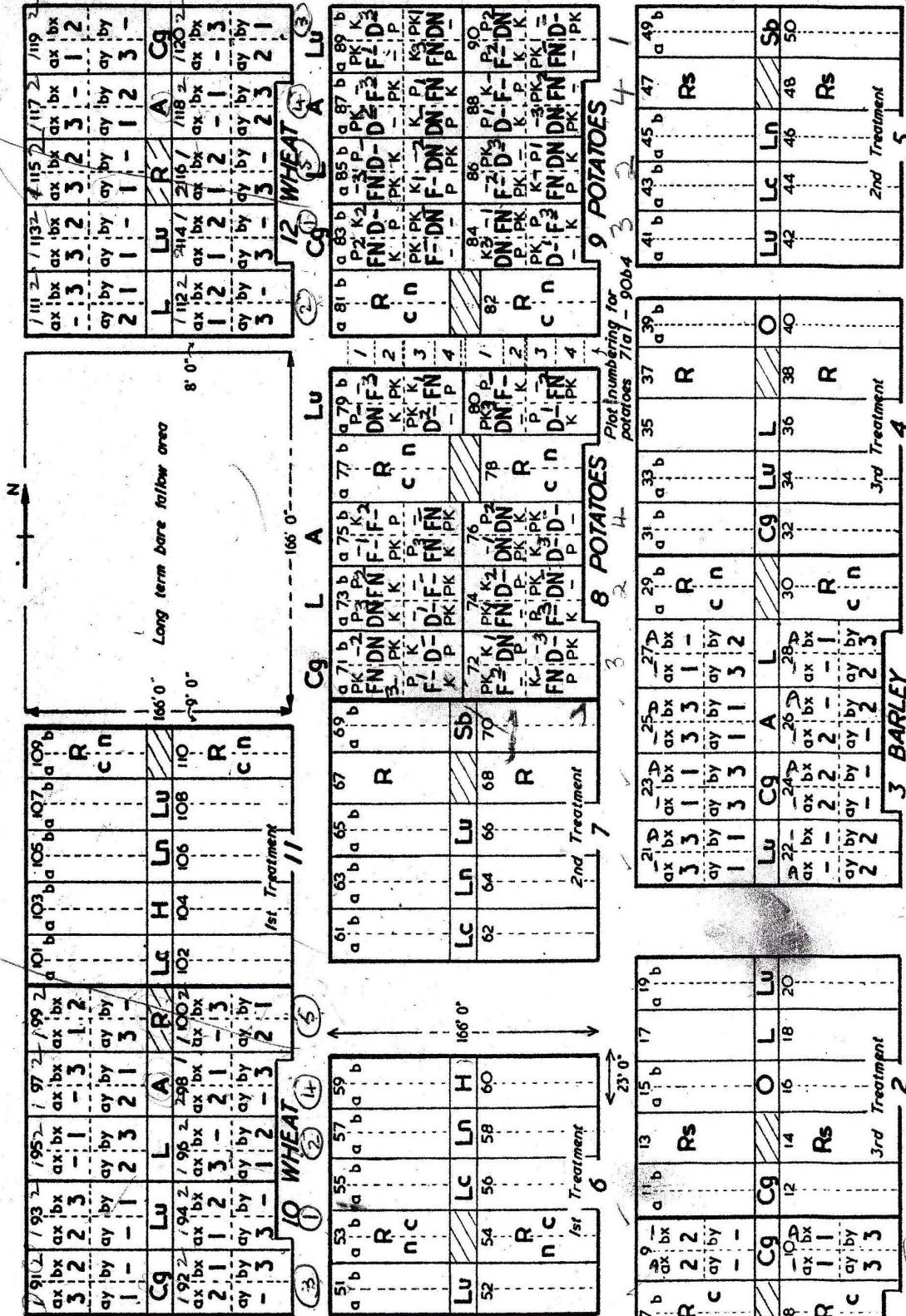
seeded and Old Permanent Grass

& G Grazed

Silage cut in May

c & Gc No N } Mown

Ln & Gn With N }



Handwritten notes and annotations on the right side of the diagram, including circled numbers (1, 2, 3, 4, 5), 'Block 1', 'Block 2', '3 3/11 33110', and 'sc 1 2/18'.

Rothamsted

LEY - ARABLE ROTATION

Code letter FLA

16th. Year 1964.

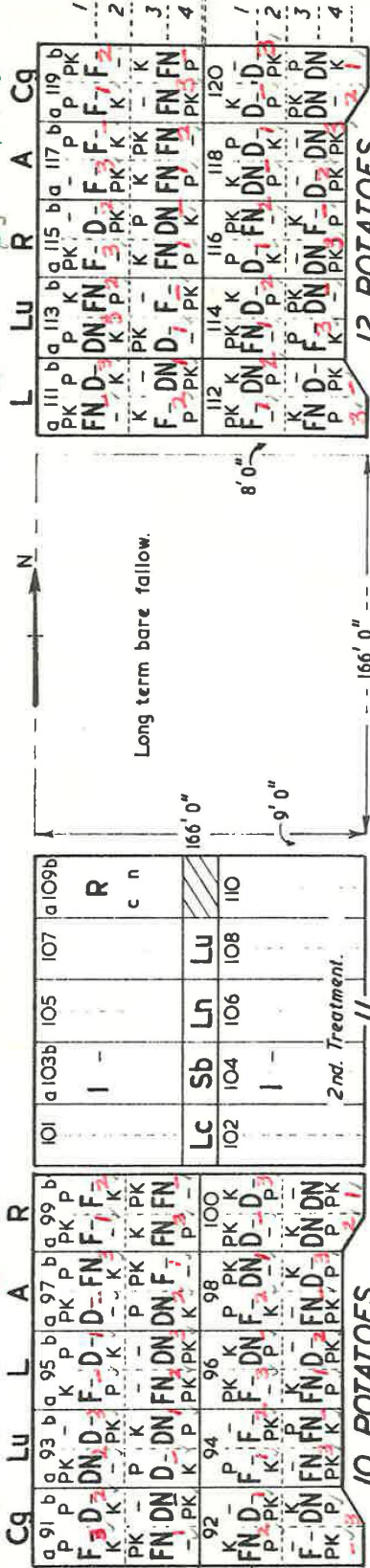
FOSTERS

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	a	93	b	a	95	b	a	97	b	a	99	b	a
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
D	N	D	F	D	F	D	F	D	F	D	F	D	F	D
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK
FN	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
100														
PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK
DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN
PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK

12 POTATOES

111	b	a	113	b	a	115	b	a	117	b	a	119	b	a
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
D	N	D	F	D	F	D	F	D	F	D	F	D	F	D
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK
FN	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
120														
PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK
DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN
PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK

8 BARLEY

71	ax	bx	3	ay	by	1	2	2	1	2	1
73	ax	bx	-	3	-	3	-	3	-	3	-
75	ax	bx	-	3	-	3	-	3	-	3	-
77	ax	bx	-	3	-	3	-	3	-	3	-
79	ax	bx	2	3	-	-	-	-	-	-	-
80	ax	bx	1	-	-	-	-	-	-	-	-
82	ax	bx	2	3	-	-	-	-	-	-	-
84	ax	bx	2	3	-	-	-	-	-	-	-
86	ax	bx	2	3	-	-	-	-	-	-	-
88	ax	bx	2	3	-	-	-	-	-	-	-
90	ax	bx	2	3	-	-	-	-	-	-	-

9 POTATOES

81	b	a	83	b	a	85	b	a	87	b	a	89	b	a
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
D	N	D	F	D	F	D	F	D	F	D	F	D	F	D
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK
FN	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN	FN
120														
PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK
DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN
PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK

9 BARLEY

82	ax	bx	2	3	-	-	-	-	-	-	-
84	ax	bx	2	3	-	-	-	-	-	-	-
86	ax	bx	2	3	-	-	-	-	-	-	-
88	ax	bx	2	3	-	-	-	-	-	-	-
90	ax	bx	2	3	-	-	-	-	-	-	-

8 BARLEY

71	ax	bx	3	ay	by	1	2	2	1	2	1
73	ax	bx	-	3	-	3	-	3	-	3	-
75	ax	bx	-	3	-	3	-	3	-	3	-
77	ax	bx	-	3	-	3	-	3	-	3	-
79	ax	bx	2	3	-	-	-	-	-	-	-
80	ax	bx	1	-	-	-	-	-	-	-	-
82	ax	bx	2	3	-	-	-	-	-	-	-
84	ax	bx	2	3	-	-	-	-	-	-	-
86	ax	bx	2	3	-	-	-	-	-	-	-
88	ax	bx	2	3	-	-	-	-	-	-	-
90	ax	bx	2	3	-	-	-	-	-	-	-

4 WHEAT

21	ax	bx	1	ay	by	3	2	2	1	2	3	2	3	1
23	ax	bx	-	3	-	3	-	3	-	3	-	3	-	3
25	ax	bx	-	3	-	3	-	3	-	3	-	3	-	3
27	ax	bx	-	3	-	3	-	3	-	3	-	3	-	3
29	ax	bx	-	3	-	3	-	3	-	3	-	3	-	3
30	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
32	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
34	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
36	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
38	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
40	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-

4 WHEAT

21	ax	bx	1	ay	by	3	2	2	1	2	3	2	3	1
23	ax	bx	-	3	-	3	-	3	-	3	-	3	-	3
25	ax	bx	-	3	-	3	-	3	-	3	-	3	-	3
27	ax	bx	-	3	-	3	-	3	-	3	-	3	-	3
29	ax	bx	-	3	-	3	-	3	-	3	-	3	-	3
30	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
32	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
34	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
36	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
38	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
40	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-

4 WHEAT

21	ax	bx	1	ay	by	3	2	2	1	2	3	2	3	1
23	ax	bx	-	3	-	3	-	3	-	3	-	3	-	3
25	ax	bx	-	3	-	3	-	3	-	3	-	3	-	3
27	ax	bx	-	3	-	3	-	3	-	3	-	3	-	3
29	ax	bx	-	3	-	3	-	3	-	3	-	3	-	3
30	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
32	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
34	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
36	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
38	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
40	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-

4 WHEAT

21	ax	bx	1	ay	by	3	2	2	1	2	3	2	3	1
23	ax	bx	-	3	-	3	-	3	-	3	-	3	-	3
25	ax	bx	-	3	-	3	-	3	-	3	-	3	-	3
27	ax	bx	-	3	-	3	-	3	-	3	-	3	-	3
29	ax	bx	-	3	-	3	-	3	-	3	-	3	-	3
30	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
32	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
34	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
36	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
38	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-
40	ax	bx	2	3	-	-	-	-	-	-	-	-	-	-

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.

Lul 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

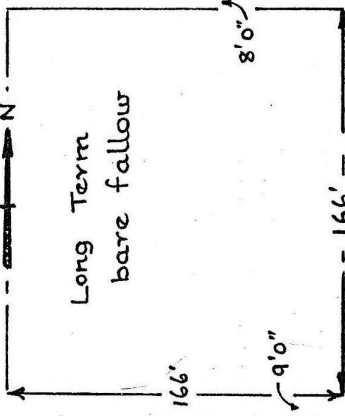
B BARLEY

Old Permanent Grass

& Reseeded Grass

Gc, Rc Without N } cut

Gr, Rn With N }



101	103	105	107	109
Lc	O	Lr	Lul	A
102	104	106	108	110
3rd Treatment				

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

111	113	115	117	119
L	Lul	R	A	Cg
112	114	116	118	120
12 BARLEY				

51	53	55	57	59
Ll	Lc	Lr	O	
52	54	56	58	60
3rd Treatment				

61	63	65	67	69
Lc	Lr	Lul	R	A
62	64	66	68	70
7 WHEAT				

71	73	75	77	79
Lr	Lc	H	Lul	
72	74	76	78	80
8				

81	83	85	87	89
Lr	Lc	H	Lul	
82	84	86	88	90
9				

21	23	25	27	29
Ll	Lr	Sb	Lc	
22	24	26	28	30
2nd Treatment				

31	33	35	37	39
Cg	Ll	L	R	A
32	34	36	38	40
4 POTATOES				

41	43	45	47	49
Ll	Lc	Lr	R	A
42	44	46	48	50
5 WHEAT				

1	3	5	7	9
Lc	Sb	Ll	Lr	
2	4	6	8	10
2nd Treatment				

11	13	15	17	19
Cg	R	A	L	Lul
12	14	16	18	20
2 POTATOES				

11	13	15	17	19
Ll	Lc	Lr	O	
12	14	16	18	20
2nd Treatment				

21	23	25	27	29
Ll	Lr	Sb	Lc	
22	24	26	28	30
2nd Treatment				

31	33	35	37	39
Cg	Ll	L	R	A
32	34	36	38	40
4 POTATOES				

41	43	45	47	49
Ll	Lc	Lr	R	A
42	44	46	48	50
5 WHEAT				

51	53	55	57	59
Ll	Lc	Lr	O	
52	54	56	58	60
3rd Treatment				

61	63	65	67	69
Lc	Lr	Lul	R	A
62	64	66	68	70
7 WHEAT				

71	73	75	77	79
Lr	Lc	H	Lul	
72	74	76	78	80
8				

11

Rothamsted LEY-ARABLE

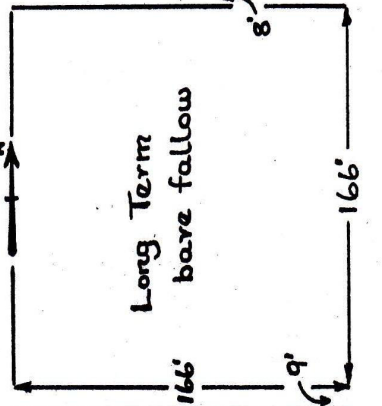
18th Year

FLA

FOSTERS

1966

111	113	115	117	119
		R	H	
112	114	116	118	120
LC	L _u		H	L _r
1st Treatment				



101	103	105	107	109
				R
102	104	106	108	110
LC	A	L _r	L _u	
11 WHEAT				

91	93	95	97	99
				R H
92	94	96	98	100
L _r	LC	H		
10 1st Treatment				

81	83	85	87	89
a:b				
R				
82	84	86	88	90
	L _r	LC	Sb	L _u
9 2nd Treatment				

71	73	75	77	79
			a:b	
			R	
72	74	76	78	80
L _r	LC	Sb		L _u
8 2nd Treatment				

61	63	65	67	69
F	F	F	D	D
62	64	66	68	70
LC	L _r	L _u	R	A
7 POTATOES				

51	53	55	57	59
a:b	a:b	a:b	a:b	a:b
2	1	3	1	3
52	54	56	58	60
L _u	LC	L _r	L _u	A
6 WHEAT				

41	43	45	47	49
F	F	D	D	D
42	44	46	48	50
L _u	LC	L _r	R	A
5 POTATOES				

31	33	35	37	39
a:b	a:b	a:b	a:b	a:b
3	-	3	2	3
32	34	36	38	40
Cg	L _u	L	R	A
4 BARLEY				

21	23	25	27	29
				a:b
				R
22	24	26	28	30
L _u	L _r	O	LC	
3 3rd Treatment				

11	13	15	17	19
a:b	a:b	a:b	a:b	a:b
1	-	3	1	3
12	14	16	18	20
Cg	R	A	L	L _u
2 BARLEY				

1	3	5	7	9
		a:b	R	
2	4	6	8	10
LC	O	L _u		L _r
1 3rd Treatment				

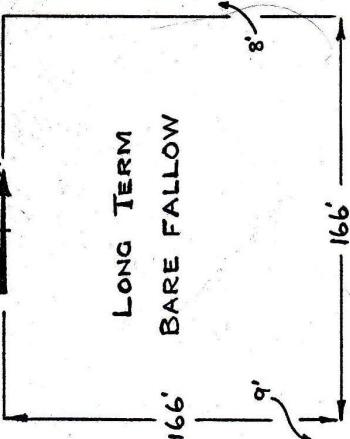
SYMBOLS

TREATMENT CROPS
 3 year Leys 1962 - cut.
 LC Grass/clover - No N.
 L_r Grass With N.
 L_u 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
 Cg, Rc Without N } cut
 Gr, Rn With N }

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			
												D F D F D F D							

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	R	c	F	F	F	F
Lu	Lu	Lu	Lc	Lu	Lu	Lc	Lu	Lu	Lc	Lu	Lu	Lc	Lu	Lu					
												52	54	56	58	60			
												D F D F D D							

71	a	b	73	a	b	75	a	b	77	a	b	79	a	b			
												R	c	n			
Ln	Lc	O	Ln	Lc	O	Ln	Lc	O	Ln	Lc	O	Ln	Lc	O			
												72	74	76	78	80	
												3rd Treatment					

29	a	b	31	a	b	33	a	b	35	a	b	37	a	b			
												(R)					
Ln	Lu	Lc	Ln	Lu	Lc	Ln	Lu	Lc	Ln	Lu	Lc	Ln	Lu	Lc			
												32	34	36	38	40	
												1st Treatment					

61	a	b	63	a	b	65	a	b	67	a	b	69	a	b			
												(R)					
Ln	Lc	O	Ln	Lc	O	Ln	Lc	O	Ln	Lc	O	Ln	Lc	O			
												70	72	74	76	78	
												3rd Treatment					

21	a	b	23	a	b	25	a	b	27	a	b	29	a	b			
												(R)					
Lu	Lu	Lu	Lu	Lu	Lu	Lu	Lu	Lu	Lu	Lu	Lu	Lu	Lu	Lu			
												30	32	34	36	38	
												1st Treatment					

31	a	b	33	a	b	35	a	b	37	a	b	39	a	b			
												(R)					
Ln	Lu	Lc	Ln	Lu	Lc	Ln	Lu	Lc	Ln	Lu	Lc	Ln	Lu	Lc			
												40	42	44	46	48	
												1st Treatment					

41	a	b	43	a	b	45	a	b	47	a	b	49	a	b			
												(R)					
Lu	Lu	Lc	Lu	Lu	Lc	Lu	Lu	Lc	Lu	Lu	Lc	Lu	Lu	Lc			
												50	52	54	56	58	
												1st Treatment					

1	2	3	4	5
WHEAT	WHEAT	BARLEY	BARLEY	BARLEY

6	7	8	9
POTATOES	POTATOES	BARLEY	BARLEY

10	11	12
POTATOES	POTATOES	POTATOES

13	14	15	16	17	18	19
WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT

20	21	22	23	24	25	26	27	28	29	30
WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT

31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT	WHEAT

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

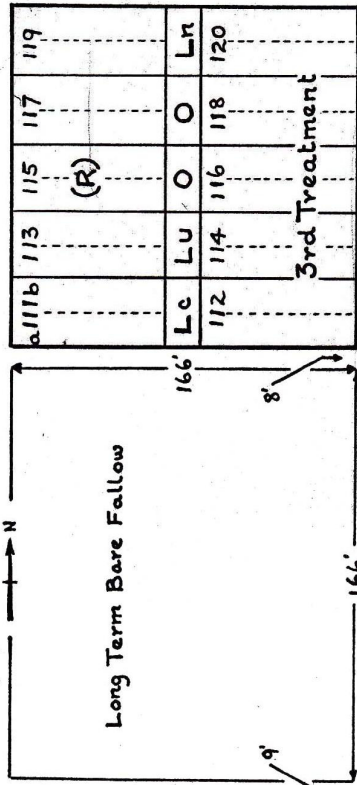
Sequence 1949 - 1969
(W) P B W*
(W* 1968 only)

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
ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by
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
ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by
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
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
ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by
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

Numbering 7(a) to 9(b) 4

71/b	73/b	75/b	77/b	79/b	81/b	83/b	85/b	87/b	89/b
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
ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by
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
72/b	74/b	76/b	78/b	80/b	82/b	84/b	86/b	88/b	90/b
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
ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by	ay/by
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

61	63	65	67	69	70
ax/bx	ax/bx	ax/bx	ax/bx	ax/bx	ax/bx
2/3	2/3	2/3	2/3	2/3	2/3
ay/by	ay/by	ay/by	ay/by	ay/by	ay/by
2/3	2/3	2/3	2/3	2/3	2/3
Lc	Ln	Lu	(R)	A	WHEAT

51	53	55	57	59	60
ax/bx	ax/bx	ax/bx	ax/bx	ax/bx	ax/bx
2/3	2/3	2/3	2/3	2/3	2/3
ay/by	ay/by	ay/by	ay/by	ay/by	ay/by
2/3	2/3	2/3	2/3	2/3	2/3
Lu	Lc	Lc	Lc	Lc	BARLEY

41	43	45	47	49
ax/bx	ax/bx	ax/bx	ax/bx	ax/bx
2/3	2/3	2/3	2/3	2/3
ay/by	ay/by	ay/by	ay/by	ay/by
2/3	2/3	2/3	2/3	2/3
Lu	Lc	Ln	(R)	A

31	33	35	37	39
ax/bx	ax/bx	ax/bx	ax/bx	ax/bx
2/3	2/3	2/3	2/3	2/3
ay/by	ay/by	ay/by	ay/by	ay/by
2/3	2/3	2/3	2/3	2/3
Ln	Lu	Lc	Sb	Sb

21	23	25	27	29
ax/bx	ax/bx	ax/bx	ax/bx	ax/bx
2/3	2/3	2/3	2/3	2/3
ay/by	ay/by	ay/by	ay/by	ay/by
2/3	2/3	2/3	2/3	2/3
Lu	Ln	A	Lc	Lc

1	3	5	7	9
ax/bx	ax/bx	ax/bx	ax/bx	ax/bx
2/3	2/3	2/3	2/3	2/3
ay/by	ay/by	ay/by	ay/by	ay/by
2/3	2/3	2/3	2/3	2/3
Lc	A	Lu	Ln	Ln