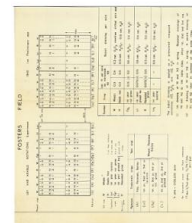


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ROTHAMSTED  
RESEARCH

# Collection of Plans for the Fosters Ley-arable Experiment



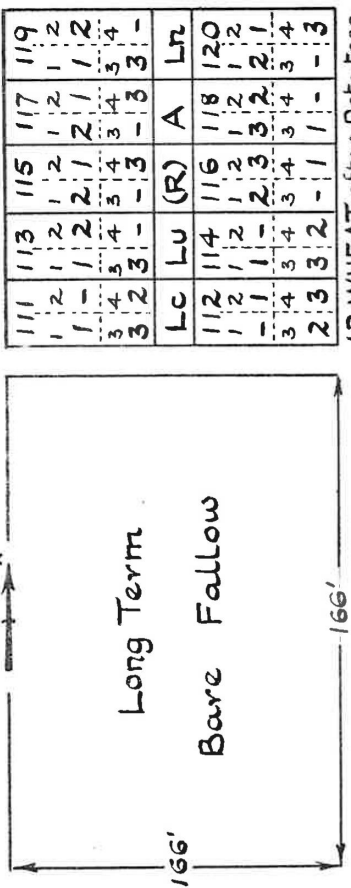
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## Fosters Ley-arable 1970-79

### Rothamsted Research

Rothamsted Research (1949-1990) *Fosters Ley-arable 1970-79* ; Collection Of Plans For The Fosters Ley-Arable Experiment, pp 22 - 31

Rothamsted LEY - ARABLE 22<sup>nd</sup> year 70/R/RN/2 FOSTERS 1970



091	093	095	097	099	101	103	105	107	109
1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2
3 4	3 4	3 4	3 4	3 4	3 4	3 4	3 4	3 4	3 4
2 1	1	3	3	1 2	2	3 4	1 2 4	1 4	3
Ln	Lu	Lc	A	(R)	Lc	A	Ln	Lu	(R)
092	094	096	098	100	102	104	106	108	110
1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2
3 4	3 4	3 4	3 4	3 4	3 4	3 4	3 4	3 4	3 4
1	2	1	1	3	3 4	1 2	4 3	3 2	2 1
3 2	-	3 2	2 3	2 1	Lc	A	Ln	Lu	(R)

10. WHEAT after Potatoes 11. WHEAT 5th test crop

051	053	055	057	059
1 2	1 2	1 2	1 2	1 2
2 4	2 3	4 3	3 4	3 1
Lu	(R)	Lc	Ln	A
052	054	056	058	060
1 2	1 2	1 2	1 2	1 2
1 3	4 1	2 1	1 2	2 4
Lu	(R)	Lc	Ln	A

12. WHEAT after Potatoes

081	083	085	087	089
1 2	1 2	1 2	1 2	1 2
-	-	1 2	-	1 3
3 4	3 4	3 4	3 4	3 4
2 1	2 2	3 -	2 3	1 3
(R)	Ln	Lc	A	Lu
082	084	086	088	090
1 2	1 2	1 2	1 2	1 2
1 2	1 3	-	1 3	2 -
3 4	3 4	3 4	3 4	3 4
3 -	3 1	2 3	1 -	2 2
(R)	Ln	Lc	A	Lu

7. WHEAT 6th test crop 8. BARLEY after Wheat 9. BARLEY after Wheat

061	063	065	067	069
1 2	1 2	1 2	1 2	1 2
3 2	4 2	1 2	1 3	1 3
Lc	Ln	Lu	(R)	A
062	064	066	068	070
1 2	1 2	1 2	1 2	1 2
4 1	1 3	3 4	4 2	4 2
Ln	(R)	Lu	A	Lu

6. WHEAT 5th test crop

001	003	005	007	009
1 2	1 2	1 2	1 2	1 2
1 2	1 2	1 2	1 2	1 2
Lc	B <sup>1/2</sup>	Lu	Ln	Lu
002	004	006	008	010
1 2	1 2	1 2	1 2	1 2
1 2	1 2	1 2	1 2	1 2
Ln	B <sup>1/2</sup>	Lu	Ln	Lu

1. Treatment Crops 2. POTATOES 1st Test Crop +23--  
 3. Treatment Crops 4. POTATOES 1st Test Crop  
 5. WHEAT 6th test crop

001	003	005	007	009
1 2	1 2	1 2	1 2	1 2
1 2	1 2	1 2	1 2	1 2
Lc	B <sup>1/2</sup>	Lu	Ln	Lu
002	004	006	008	010
1 2	1 2	1 2	1 2	1 2
1 2	1 2	1 2	1 2	1 2
Ln	B <sup>1/2</sup>	Lu	Ln	Lu

Sowing dates  
 Wheat - Jess Cambier  
 at 180lb : 16 Oct 1969  
 Barley - Julia at 140lb  
 per acre : 20 May 1970

10

1971  
486

71/R/RN/2

1971  
486

23rd year

FOSTERS

1971  
486

1971  
486

N Rates, per acre  
W.Wheat, 2nd Test Crop

1 None  
2 0.4 cwt N  
3 0.8 cwt N  
3 1.2 cwt N

Barley, 3rd Test Crop

1 None  
2 0.4 cwt N  
3 0.7 cwt N  
3 1.0 cwt N

091	093	095	097	099	101	103	105	107	109
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
2	3	2	1	1	2	3	4	1	4
3	4	3	4	3	2	1	3	4	3
-	1	-	-	-	2	1	3	4	3
Lr	Lu	Lc	A	R <sup>3</sup>	Lc	A	Lr	Lu	R <sup>9</sup>
092	094	096	098	100	102	104	106	108	110
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3	-	2	1	3	3	4	1	2	4
4	3	4	3	4	3	4	1	2	3
1	2	1	-	3	1	2	3	2	2



10. BARLEY after Wheat 11. WHEAT 4th cereal

051	053	055	057	059
1/2	1/2	1/2	1/2	1/2
2	4	2	3	4
3	4	3	4	3
1	3	4	2	4
Lu	R <sup>9</sup>	Lc	Lr	A
052	054	056	058	060
1/2	1/2	1/2	1/2	1/2
1	3	4	1	2
2	4	1	2	4

061	063	065	067	069	071	073	075	077	079	081	083	085	087	089
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3	2	4	1	3	4	3	4	1	2	3	4	1	4	1
4	1	3	4	2	4	2	4	3	4	1	2	3	4	1
Lc	Lr	Lu	R <sup>5</sup>	A	Lr	Lc	A	R <sup>8</sup>	Lu	R <sup>6</sup>	Lr	Lc	A	Lu
062	064	066	068	070	072	074	076	078	080	082	084	086	088	090
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
4	1	3	4	2	4	2	4	3	4	1	2	3	4	1

W.Wheat, 3rd, 4th, 5th Cereal

1 0.6 cwt N  
2 1.0 cwt N  
3 1.4 cwt N  
4 1.8 cwt N

N as "Nitro-Chalk" 2:1

Varieties

W.Wheat: Joss Cambiey 5-6 Oct 1979  
Barley: Julia 25 Feb 1977

6. WHEAT 4th cereal

001	003	005	007	009	011	013	015	017	019
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3	2	1	1	2	3	2	1	1	2
4	3	4	3	4	3	4	3	4	3
1	3	4	3	1	3	2	1	3	3
Lc	H	Lu	Lr	Lr	Lr	R <sup>4</sup>	A <sup>4</sup>	Lc <sup>2</sup>	Lu
002	004	006	008	010	012	014	016	018	020
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3	-	-	3	2	2	2	2	1	2
4	3	4	3	4	3	4	3	4	3
1	2	1	-	-	-	-	-	-	3

1st arable crop in 1962, 64, 65, 68, 69

1, Treatment Crops 2nd year

2, WHEAT after Potatoes

7. WHEAT 5th cereal

021	023	025	027	029	031	033	035	037	039	041	043	045	047	049
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3	2	4	1	3	4	3	4	1	2	3	4	1	4	1
4	1	3	4	2	4	2	4	3	4	1	2	3	4	1
Lu	Lr	H	Lc	Lc	Lr	Lu	Lc	R <sup>4</sup>	A <sup>4</sup>	Lu	Lc	Lr	R <sup>5</sup>	A
022	024	026	028	030	032	034	036	038	040	042	044	046	048	050
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3	2	4	1	3	4	3	4	1	2	3	4	1	4	1

3, Treatment Crops 2nd year

4, WHEAT after Potatoes 5, WHEAT 5th cereal

8. WHEAT 3rd cereal

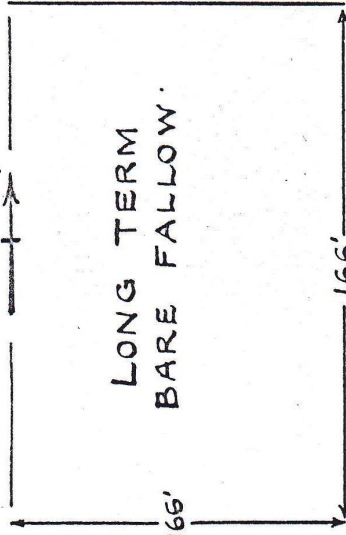
071	073	075	077	079	081	083	085	087	089
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
4	3	4	1	2	3	4	1	4	1
2	1	3	4	2	4	2	4	3	4
Lr	Lc	A	R <sup>8</sup>	Lu	R <sup>6</sup>	Lr	Lc	A	Lu
072	074	076	078	080	082	084	086	088	090
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
2	1	3	4	2	4	2	4	1	2
3	2	4	1	3	4	2	4	3	4

9. WHEAT 3rd cereal

Rothamsted LEY - ARABLE 24th year 72/R/RN/2 FOSTERS 1972 10

10 WHEAT 3rd Cereal. 11 WHEAT 5th Cereal

091 1 2	093 1 2	095 1 2	097 1 2	099 1 2	101 1 2	103 1 2	105 1 2	107 1 2	109 1 2
4 3	4 2	1 4	3 2	2 4	2 1	3 4	1 2	4 1	4 3
5	1	2	4	5	2	4	5	1	5
Ln	Lu	Lc	A	R <sup>3</sup>	Lc	A	Ln	Lu	R <sup>9</sup>
092 1 2	094 1 2	096 1 2	098 1 2	100 1 2	102 1 2	104 1 2	106 1 2	108 1 2	110 1 2
2 1	3 1	3 2	4 1	3 1	3 4	1 2	4 3	3 2	2 1



12 WHEAT 3rd Cereal

111 1 2	113 1 2	115 1 2	117 1 2	119 1 2
4 1	1 2	1 4	1 3	1 3
2	1	5	4	5
Lc	Lu	R <sup>3</sup>	A	Ln
112 1 2	114 1 2	116 1 2	118 1 2	120 1 2
2 3	4 3	2 3	2 4	2 4

10 WHEAT 3rd Cereal. 11 WHEAT 5th Cereal

6 WHEAT 5th Cereal

051 1 2	053 1 2	055 1 2	057 1 2	059 1 2
2 4	2 3	4 3	3 4	3 1
1	5	2	3	4
Lu	R <sup>9</sup>	Lc	Ln	A
052 1 2	054 1 2	056 1 2	058 1 2	060 1 2
1 3	4 1	2 1	1 2	2 4

R 3.4.5.8.9 1st arable crop 1963, 64, 65, 68, 69.

7 WHEAT 6th Cereal 8 WHEAT 4th Cereal 9 WHEAT 4th Cereal

061 1 2	063 1 2	065 1 2	067 1 2	069 1 2	071 1 2	073 1 2	075 1 2	077 1 2	079 1 2
3 2	4 2	1 2	1 3	1 3	4 3	4 1	1 3	2 1	1 2
2	3	1	5	4	3	2	4	5	1
Lc	Ln	Lu	R <sup>6</sup>	A	Ln	Lc	A	R <sup>8</sup>	Lu
062 1 2	064 1 2	066 1 2	068 1 2	070 1 2	072 1 2	074 1 2	076 1 2	078 1 2	080 1 2
4 1	1 3	3 4	4 2	4 2	2 1	3 2	4 2	4 3	3 4

6 WHEAT 5th Cereal

1 Treatment Crops 2 BARLEY (sown 15 Mar) after Wheat 3 Treatment Crops 4 BARLEY after Wheat 5 WHEAT 6th Cereal

001 1 2	003 1 2	005 1 2	007 1 2	009 1 2	011 1 2	013 1 2	015 1 2	017 1 2	019 1 2
			R	n.c	1	2	3	2	3
					4	3	4	3	4
Lc	Sb	Lu	Lu	Ln	R <sup>4</sup>	A	Lc	Lu	Lu
002 1 2	004 1 2	006 1 2	008 1 2	010 1 2	012 1 2	014 1 2	016 1 2	018 1 2	020 1 2
					3	2	1	3	4
					4	3	4	3	4

3 Treatment Crops 4 BARLEY after Wheat 5 WHEAT 6th Cereal

021 1 2	023 1 2	025 1 2	027 1 2	029 1 2	031 1 2	033 1 2	035 1 2	037 1 2	039 1 2
				R	3	4	2	1	3
				c.n	4	3	4	2	3
Lu	Ln	Sb	Lc	Ln	Lu	Lc	R <sup>4</sup>	A	Lu
022 1 2	024 1 2	026 1 2	028 1 2	030 1 2	032 1 2	034 1 2	036 1 2	038 1 2	040 1 2
					3	2	2	1	2
					4	3	4	3	4

1 Treatment Crops 2 BARLEY (sown 15 Mar) after Wheat 3 Treatment Crops 4 BARLEY after Wheat 5 WHEAT 6th Cereal

Note: Barley seed dressed with 'Milstem'

Rothamsted LEY-ARABLE 25th year 73/R/RN/2 FOSTERS 1973

Sponsors: Blocks 1-4, A.E. Johnston. Blocks 5-12, D.B. Slope

091 1 2	093 1 2	095 1 2	097 1 2	099 1 2	101 1 2	103 1 2	105 1 2	107 1 2	109 1 2
4 3	4 2	1 4	3 2	2 4	2 1	3 4	1 2	4 1	4 3
LT	Lu	Lc	A	R <sup>3</sup>	Lc	A	Lr	Lu	R <sup>9</sup>
092 1 2	094 1 2	096 1 2	098 1 2	100 1 2	102 1 2	104 1 2	106 1 2	108 1 2	110 1 2
2 1	3 1	3 2	4 1	3 1	3 4	1 2	4 3	3 2	2 1

10 Wheat 4th Cereal

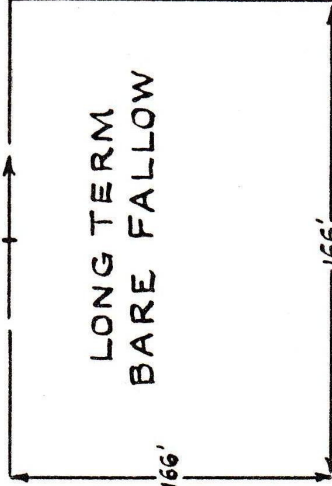
051 1 2	053 1 2	055 1 2	057 1 2	059 1 2
2 4	2 3	4 3	3 4	3 1
Lu	R <sup>9</sup>	Lc	Lr	A
052 1 2	054 1 2	056 1 2	058 1 2	060 1 2
1 3	4 1	2 1	1 2	2 4

6 Wheat 6th Cereal

001 1 2	003 1 2	005 1 2	007 1 2	009 1 2	011 1 2	013 1 2	015 1 2	017 1 2	019 1 2
3 4	3 0	3 1	R	0 0	0 0	R	0 1	0 1	0 1
LC	A	Lu	Lc	Lr	Lr	H	Lc	Lu	Lu
002 1 2	004 1 2	006 1 2	008 1 2	010 1 2	012 1 2	014 1 2	016 1 2	018 1 2	020 1 2
0 0	0 2	1 0	1 0	1 2	1 2	1 2	1 2	1 2	1 2

1 POTATOES 2 Treatment Crops

1st Test Crop R 3.7.5.8.9 1962 1963 etc Year 'R' under 1st arable crop.



11 Wheat 6th Cereal

061 1 2	063 1 2	065 1 2	067 1 2	069 1 2	071 1 2	073 1 2	075 1 2	077 1 2	079 1 2
3 2	4 2	1 2	1 3	1 3	4 3	4 1	1 3	2 1	1 2
Lc	Lr	Lu	R <sup>5</sup>	A	Lr	Lc	A	R <sup>8</sup>	Lu
062 1 2	064 1 2	066 1 2	068 1 2	070 1 2	072 1 2	074 1 2	076 1 2	078 1 2	080 1 2
4 1	1 3	3 4	4 2	4 2	2 1	3 2	4 2	4 3	3 4

7 Wheat 7th Cereal

021 1 2	023 1 2	025 1 2	027 1 2	029 1 2	031 1 2	033 1 2	035 1 2	037 1 2	039 1 2
2 3	3 0	1 1	3 1	R	0 1	0 1	0 1	R	0 1
Lu	Lr	A	Lc	Lc	Lr	Lu	Lc	H	H
022 1 2	024 1 2	026 1 2	028 1 2	030 1 2	032 1 2	034 1 2	036 1 2	038 1 2	040 1 2
1 0	0 2	2 3	0 2	0 2	1 1	1 2	1 2	1 2	1 2

8 Wheat 8th Cereal

1st Test Crop D FYM last applied in 1968

12 Wheat 4th Cereal

081 1 2	083 1 2	085 1 2	087 1 2	089 1 2
3 4	1 4	2 3	3 4	1 2
R <sup>8</sup>	Lr	Lc	A	Lu
082 1 2	084 1 2	086 1 2	088 1 2	090 1 2
1 2	2 3	4 1	1 2	3 4

9 Wheat 5th Cereal

041 1 2	043 1 2	045 1 2	047 1 2	049 1 2
2 4	2 3	2 4	2 4	3 2
Lu	Lc	Lr	R <sup>5</sup>	A
042 1 2	044 1 2	046 1 2	048 1 2	050 1 2
3 1	4 1	1 3	3 1	4 1

5 Wheat 7th Cereal

1st Test Crop D FYM last applied in 1968

3 POTATOES + Treatment Crops

1st Test Crop D FYM last applied in 1968

**ROTHAMSTED LEY - ARABLE** 26<sup>th</sup> year **74/R/RN/2** **FOSTERS 1974**

Sponsors: Blocks 1-4, A E Johnston Blocks 5-12, D B Slope

Rates of Nitrogen per acre  
Test crop Wheat BIKs 1-3

- 0 None
- 1 0.4 cwt N 50 Kg/ha
- 2 0.8 cwt N 100 Kg/ha
- 3 1.2 cwt N 150 Kg/ha

- To W. Wheat Blocks 5-12
- 1 0.6 cwt N 75 Kg/ha
  - 2 1.0 cwt N 126 Kg/ha
  - 3 1.4 cwt N 176 Kg/ha
  - 4 1.8 cwt N 226 Kg/ha

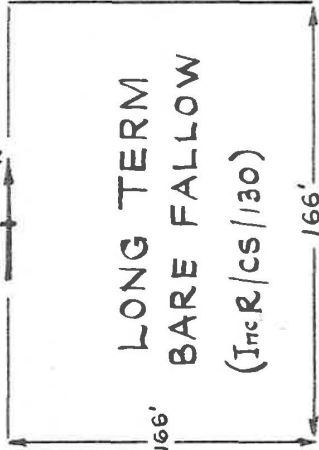
Nitrogen as 'Nitro-Chalk' 25 applied in spring

W. Variety: Cappelle

Dieldrin seed dressed

Sown at 180lb/a on

24 Oct 1973



091 1 2	093 4 3	095 1 4	097 3 2	099 A R <sup>3</sup>	101 LC	103 A	105 Ln	107 Lu	109 R <sup>9</sup>
1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2
4 3	4 2	1 4	3 2	2 4	2 1	3 4	1 2	4 1	4 3
Ln	Lu	LC	A	R <sup>3</sup>	LC	A	Ln	Lu	R <sup>9</sup>
092 1 2	094 1 2	096 1 2	098 1 2	100 1 2	102 1 2	104 1 2	106 1 2	108 1 2	110 1 2
2 1	3 1	3 2	4 1	3 1	3 4	1 2	4 3	3 2	2 1
2 1	3 1	3 2	4 1	3 1	3 4	1 2	4 3	3 2	2 1

10 Wheat 5th cereal 11 Wheat 7th cereal

051 1 2	053 2 4	055 1 2	057 1 2	059 1 2
1 2	1 2	1 2	1 2	1 2
2 4	2 3	4 3	3 4	3 1
Lu	R <sup>9</sup>	LC	Ln	A
052 1 2	054 1 2	056 1 2	058 1 2	060 1 2
1 3	4 1	2 1	1 2	2 4

6 Wheat 7th cereal

001 1 2	003 2 2	005 3 4	007 3 4	009 Ln	010 Ln	012 Ln	014 Ln	016 Ln	018 Ln	020 Ln
1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2	1 2
3 4	3 4	3 4	3 4	0 2	0 2	0 2	0 2	0 2	0 2	0 2
LC	A	Lu	Lu	SB	LC	Lu	LC	Lu	LC	Lu
002 1 2	004 1 2	006 1 2	008 1 2	010 1 2	012 1 2	014 1 2	016 1 2	018 1 2	020 1 2	
2 0	1 1	3 0	3 4	3 4	3 4	3 4	3 4	3 4	3 4	
3 2	0 0	2 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	

1 WHEAT 2<sup>nd</sup> Test crop 2 Treatment crops 2<sup>nd</sup> year

R 3, 4, 5, 8, 9 = 1962, 1964, 1965 etc., the year 'R' under 1<sup>st</sup> arable crop.

111 1 2	113 1 2	115 1 2	117 1 2	119 1 2
1 2	1 2	1 2	1 2	1 2
4 1	1 2	1 4	1 3	1 3
LC	Lu	R <sup>3</sup>	A	Ln
112 1 2	114 1 2	116 1 2	118 1 2	120 1 2
2 3	4 3	2 3	2 4	2 4

12 Wheat 5th cereal

081 1 2	083 1 2	085 1 2	087 1 2	089 1 2
1 2	1 2	1 2	1 2	1 2
3 4	1 4	2 3	3 4	1 2
R <sup>8</sup>	Ln	LC	A	Lu
082 1 2	084 1 2	086 1 2	088 1 2	090 1 2
1 2	2 3	4 1	1 2	3 4

9 Wheat 6th cereal

041 1 2	043 1 2	045 1 2	047 1 2	049 1 2
1 2	1 2	1 2	1 2	1 2
2 4	2 3	2 4	2 4	3 2
Lu	LC	Ln	R <sup>5</sup>	A
042 1 2	044 1 2	046 1 2	048 1 2	050 1 2
3 1	4 1	1 3	3 1	4 1

5 Wheat 8th cereal

071 1 2	073 1 2	075 1 2	077 1 2	079 1 2
1 2	1 2	1 2	1 2	1 2
4 3	4 1	1 3	2 1	1 2
Ln	LC	A	R <sup>8</sup>	Lu
072 1 2	074 1 2	076 1 2	078 1 2	080 1 2
2 1	3 2	4 2	4 3	3 4

8 Wheat 6th cereal

031 1 2	033 1 2	035 1 2	037 1 2	039 1 2
1 2	1 2	1 2	1 2	1 2
R	n.c	n.c	n.c	n.c
Ln	Lu	LC	SB	SB
032 1 2	034 1 2	036 1 2	038 1 2	040 1 2
3 1	4 1	1 3	3 1	4 1

4 Treatment crops 2<sup>nd</sup> year

061 1 2	063 3 2	065 4 2	067 1 3	069 1 2
1 2	1 2	1 2	1 2	1 2
LC	Ln	Lu	R <sup>5</sup>	A
062 1 2	064 1 2	066 1 2	068 1 2	070 1 2
4 1	1 3	3 4	4 2	4 2

7 Wheat 8th cereal

021 1 2	023 3 3	025 3 4	027 3 4	029 3 4
1 2	1 2	1 2	1 2	1 2
LC	Ln	A	LC	LC
022 1 2	024 1 2	026 1 2	028 1 2	030 1 2
0 1	1 2	0 1	1 2	1 2

3 WHEAT 2<sup>nd</sup> Test crop

1962, 1964, 1965 etc., the year 'R' under 1<sup>st</sup> arable crop.

FOSTERS 1975

75/R/RN/2  
Blocks 5-12 D.B. Slope

27th year  
AE Johnston, Blocks 5-12 D.B. Slope

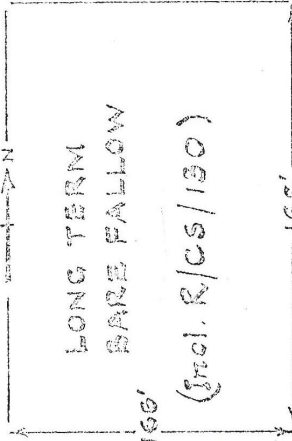
LEY-ARABLE  
Spans: Blocks 1-4 AE Johnston, Blocks 5-12 D.B. Slope

Selected Plan

sub-plots 0511\*  
and 0521  
treatments transposed  
field.

111 1 2	110 1 2	110 1 2	117 1 3	119 1 3
4 1	1 2	1 2	1 3	1 3
LONG TERM BARE FALLOW				
(incl. R/CS/130)				
LC 1 2	LU 1 2	RS 1 2	A 1 2	LU 1 2
2 3	4 3	2 3	2 4	2 4

12 WHEAT 6th cereal



10 WHEAT 6th cereal 11 WHEAT 8th cereal

WW - Cappelle

sown at 180 lb/acre  
with 336 lb/a (376 kg/ha)  
of (0:20:20) CD.

Blks 5-12 sown 15 Oct 1974  
Blks 1-3 sown 31 Oct 1974

id in error - revised. Order of N's

051 1 2	053 1 4	055 2 3	056 4 3	057 3 4	059 3 1
LC 1 2	RS 1 2	LC 1 2	LN 1 2	A 1 2	A 1 2
052 1 2	054 2 3	056 4 1	058 2 1	059 1 2	060 2 4

6 WHEAT 8th cereal

001 1 2	003 1 3	005 2 3	007 3 4	009 3 1	011 3 2	013 3 4	015 2 1	017 2 0	019 2 0
LC 1 2	A 1 2	LU 1 2	LN 1 2	LN 1 2	LN 1 2	LN 1 2	LN 1 2	LN 1 2	LN 1 2
002 1 2	004 2 0	006 3 4	008 3 1	010 3 4	012 3 4	014 3 4	016 3 4	018 3 4	020 3 4

1 WHEAT  
3rd Test crop

2 Treatment crops  
3rd year

061 1 2	063 3 2	065 4 2	067 1 2	069 1 3	071 4 3	073 4 1	075 1 3	077 1 2	079 1 2
LC 1 2	LN 1 2	LU 1 2	RS 1 2	A 1 2	A 1 2	A 1 2	A 1 2	A 1 2	A 1 2
062 1 2	064 4 1	066 3 4	068 4 2	070 4 2	072 2 1	074 3 2	076 4 2	078 4 3	080 3 4

7 WHEAT 9th cereal

021 1 2	023 3 3	025 3 4	027 0 2	029 0 2	031 1 2	033 0 3	035 0 3	037 0 3	039 0 4
LC 1 2	LN 1 2	LU 1 2	LN 1 2	LN 1 2	LN 1 2	LN 1 2	LN 1 2	LN 1 2	LN 1 2
022 1 2	024 1 2	026 1 2	028 1 2	030 1 2	032 1 2	034 0 3	036 0 3	038 1 2	040 0 4

3 WHEAT  
3rd Test crop

4 Treatment crops  
3rd year

081 1 2	083 2 3	085 4 1	087 1 4	089 1 2
LC 1 2	RS 1 2	LN 1 2	LN 1 2	LN 1 2
082 1 2	084 1 2	086 2 3	088 2 3	090 1 2

8 WHEAT 7th cereal

041 1 2	043 2 4	045 2 3	047 2 4	049 2 4
LC 1 2	LN 1 2	LN 1 2	LN 1 2	LN 1 2
042 1 2	044 3 1	046 4 1	048 3 1	050 3 1

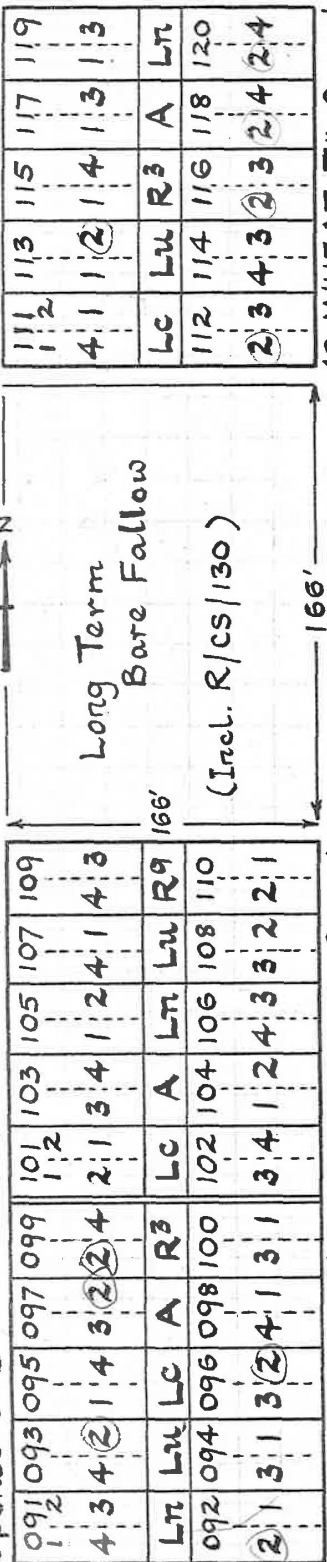
5 WHEAT 9th cereal

6 Treatment crops  
3rd year

Note: R, R\*, etc refers to year R (Reseeded grass) under 1st enable crop, i.e 1963, 1964

Rothamsted LEY-ARABLE 28th Year 76/R/RN/2 FOSTERS 1976

Sponsors: Blocks 1-4 A.E. Johnston, Blocks 5-12 D.B. Slope



Varieties:

- WW Cappelle
- Sown: 22 Oct 75
- P Pentland Crown

10 WHEAT 7th Cereal 11 WHEAT 9th Cereal

091	093	095	097	099	101	103	105	107	109
1 2					1 2				
4 3	4 2	1 4	3 2	2 4	2 1	3 4	1 2	4 1	4 3
Ln	Lu	Lc	A	R <sup>3</sup>	Lc	A	Ln	Lu	R <sup>9</sup>
092	094	096	098	100	102	104	106	108	110
2 1	3 1	3 2	4 1	3 1	3 4	1 2	4 3	3 2	2 1

12 WHEAT 7th Cereal

111	113	115	117	119
1 2				
4 1	1 2	1 4	1 3	1 3
Lc	Lu	R <sup>3</sup>	A	Ln
112	114	116	118	120
2 3	4 3	2 3	2 4	2 4

8 WHEAT 8th Cereal 9 WHEAT 8th Cereal Cappelle

061	063	065	067	069	071	073	075	077	079
					1 2				
					4 3	4 1	1 3	2 1	1 2
					Ln	Lc	A	R <sup>8</sup>	Lu
					072	074	076	078	080
					2 1	3 2	4 2	4 3	3 4

7 WHEAT 8th Cereal 1-4

021	023	025	027	029	031	033	035	037	039
1 2					2 1	- 2	2 1	R*	- 2
					D F	F F	F D	n c	D D
					Ln	Lu	Lc	//	A
					032	034	036	038	040
					- 3	3 1	3 -	1 3	

6 WHEAT 9th Cereal \* 76/CS/169

051	053	055	057	059
1 2				
2 4	2 3	4 3	3 4	3 1
Lu	R <sup>9</sup>	Lc	Ln	A
052	054	056	058	060
1 3	4 1	2 1	1 2	2 4

1 Treatment Crops 2 POTATOES (P.W.) 1st Year

001	003	005	007	009	011	013	015	017	019
1 2					1 3	R*	- 3	3 2	2 1
					D D	C n	F D	F D	D F
					Ln	//	A	Lc	Lu
					012	014	016	018	020
					- 2	1 2	- 1	- 3	

1 Treatment Crops 4 POTATOES (P.W.) 1st Year

041	043	045	047	049

Note: R<sup>3</sup>, R<sup>4</sup> etc, refers to year (Reseeded grass)

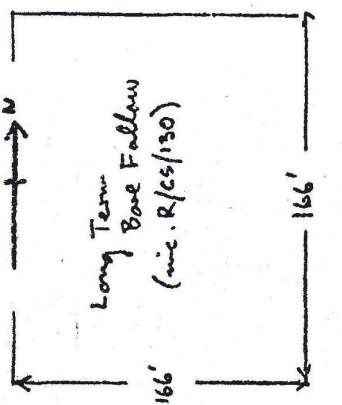
3 Treatment Crops 1st Year

Residuals: F, D None, Durg



Rollamsted LEY - MARBLE 29<sup>th</sup> Year 77/R/RN/2 FOSTERS 1977  
 Sponsors: Blochs 1-4 A.E. Johnston. Blochs 5-12 D.B. Slope

111	113	115	117	119
Lc	Lc	R3	A	Lm
112	114	116	118	120
12 WHEAT 8 <sup>th</sup> General				



091	093	095	097	099	101	103	105	107	109
Lm	Lc	Lc	A	R3	FALLOW				
092	094	096	098	100	(Lc) (A) (Lm) (Lu) (R9) (R9)				
10 WHEAT 8 <sup>th</sup> General									

NEW SEQUENCES (Block 507):  
 LU Luscum or litters, which resistant to Verticillium  
 LC Green/clover, dry, or litters, species, and litters, resistant to anthers  
 RG Pasture mix of grass (3 years) - from choice of mix  
 B Barley, Tullin  
 O Oats, Mamod

ALL SPRING (1977) SOWN

081	083	085	087	089
R6	Lm	Lc	A	Lc
082	084	086	088	090
9 WHEAT 9 <sup>th</sup> General				

071	073	075	077	079
Lm	Lc	A	R6	Lc
072	074	076	078	080
8 WHEAT 9 <sup>th</sup> General				

061	063	065	067	069
Lc	RG	Lc	B	O
062	064	066	068	070
7 NEW SEQUENCES				

051	053	055	057	059
FALLOW				
(Lm) (R9) (Lc) (Lm) (A)				
6				

WHEAT (Blochs 8, 9, 10, 12):  
 Caffelle, base N (125kg/ha) - no yields  
 Sown 25/11/77  
 WHEAT (Blochs 2, 4):  
 Caffelle, base N - 1, 2, 3:  
 0, 50, 100, 150 kg N/ha.  
 Yields required  
 Sown 24/11/77

041	043	045	047	049
Lc	Lc	RG	B	O
042	044	046	048	050
5 NEW SEQUENCES				

031	033	035	037	039
2 1	- 2	2 1	R	- 2
D F	F F	F D	c n	D D
Lm	Lc	Lc	Lc	A
032	034	036	038	040
- 13	3 1	3		1 3
D F	D D	D F	F F	F F
4 WHEAT 2 <sup>nd</sup> Test Crop (P.W.M.)				

021	023	025	027	029
Lc	Lm	Sb	Lc	Lc
022	024	026	028	030
3 Treatment Crops 2 <sup>nd</sup> Year				

011	013	015	017	019
1 3	R	- 13	3 2	2 1
D D	c n	F D	F D	D F
Lm	Lc	A	Lc	Lc
012	014	016	018	020
- 2		1 2	- 1	- 3
F F	D F	D F	D F	D F
2 WHEAT 2 <sup>nd</sup> Test Crop (P.W.M.)				

001	003	005	007	009
Lc	Sb	Lc	Lc	Lm
002	004	006	008	010
1 Treatment Crops 2 <sup>nd</sup> Year				

# revised March 1977 incorporating N test to blocks 2 & 4

NOTE: R3, R5 etc refer to year that received grass first molar number crop (1963, 1965 etc.)  
 Residues: F. D None. Dury

1978

TOCTLES

78 R/RN/2

FOR YEAR

KEY - ARABIC

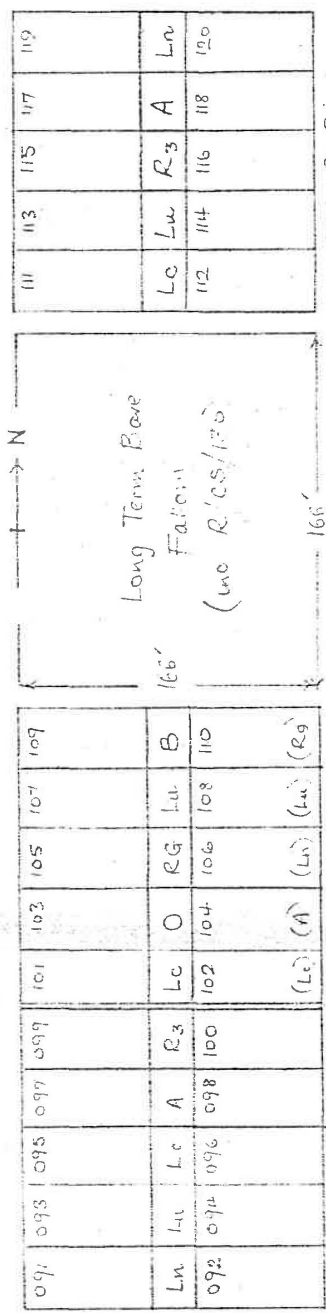
Fabrics used

Sponsors: Blocks 1-4 A F, Johnston, Blocks 5-12 D, B Slope

CROPPING

- WHEAT 'SLOPE' 10, 12  
 Coppelle, basal N @ 125 kg/ha, no yield.  
 NEW SEQUENCES (Blocks 5, 6, 7, 8)  
 Lu Lucerne, Vertus  
 Lc Grass/clover as 1977  
 Rg Perennial ryegrass (3 yrs as 1977)

- B Barley, Julia  
 O Oats, Manod  
 P Potatoes, Pentland Crown  
 WHEAT (Blocks 2 & 4)  
 Coppelle, Test N, Yields required  
 -1, 2, 3: 0, 50, 100, 150 Kg N/ha  
 TREATMENT CROPS (Blocks 1 & 3)  
 Lu Lucerne  
 Lc Grass ley  
 Lc Grass/clover ley  
 O Oats, Manod  
 R Reseeded grass



10 WHEAT 9th Cereal									
11 NEW SEQUENCES (1st Year)					12 WHEAT 9th Cereal				
091	093	095	097	099	101	103	105	107	109
Lu	Lu	Lc	A	Rg	Lc	O	Rg	Lu	B
092	094	096	098	100	102	104	106	108	110
					(Lc)	(A)	(Lu)	(Lu)	(Rg)

6 NEW SEQUENCES (1st Year)									
001	003	005	007	009	011	013	015	017	019
Lc	O	Lu	Lu	Lu	Lu	R	A	Lc	Lu
002	004	006	008	010	012	014	016	018	020

7 NEW SEQUENCES (2nd Year)									
021	023	025	027	029	031	033	035	037	039
Lu	Lu	O	Lc	R	Lu	Lc	Lc	A	A
022	024	026	028	030	032	034	036	038	040

8 NEW SEQUENCES (2nd Year)									
041	043	045	047	049	051	053	055	057	059
Lu	Lc	Rg	B	P	Lu	R	Lc	R	O
042	044	046	048	050	052	054	056	058	060

1 Treatment Crops 3rd Year  
 2 WHEAT (F.W.W.) 3rd Test Crop  
 3 Treatment Crops 3rd Year  
 4 WHEAT (P.W.W.) 3rd Test Crop  
 5 NEW SEQUENCES (2nd Year)

NOTE: Rg, R, Rg etc. refers to year that reseeded (R) grass first under arable crop (1963, 1969 etc)  
 (F)(P): None, being (residual treatments) C, R: None, N & K top dressed in spring & after each cut except the last

POTHAMSTED KEY-FARABLE 31st year 1979 FOSTERS  
 Sponsors: Blocks 1-4 AE Johnson, Blocks 5-12 D.B. Slope

CROPPING

NEW SEQUENCES (Blocks 5, 6, 7, 8, 9, 11)

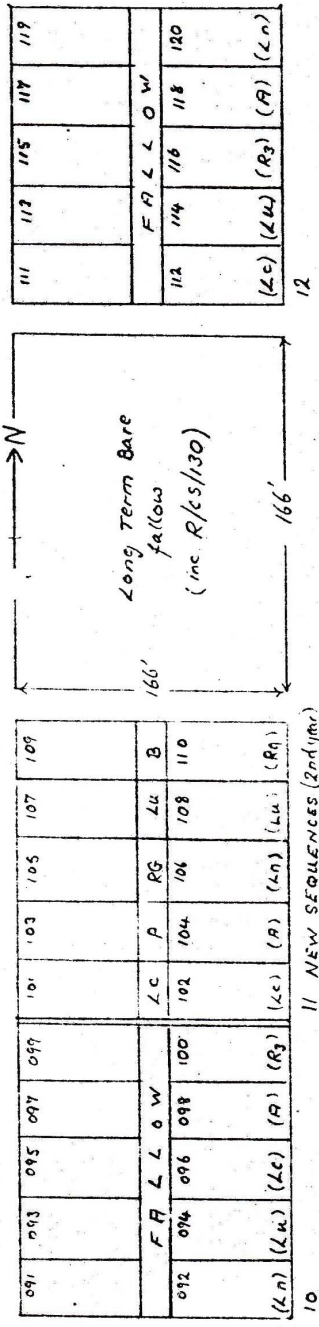
- L4 Lucerne vetch
- Lc Grass/Clver
- Rg Perennial ryegrass
- W W. Wheat, Flanders
- BE Beans, Marston
- B Barley, Potham
- O Oats, Manod
- P Potatoes, Pentland Crown (FS)

POTATOES (Blocks 1 + 3)

Pentland Crown Test N Yields required  
 - 1, 2, 3: 0, 80, 160, 240 RgN/ha

TREATMENT CROPS (Blocks 2 + 4)

- L4 Lucerne
- Ln Grass ley
- Lc Grass/Clver ley
- R Reseeded grass
- H 1st year hay



091	093	095	097	099	101	103	105	107	109
092	094	096	098	100	102	104	106	108	110
(Ln)	(Lc)	(Lc)	(A)	(Rg)	(Lc)	(A)	(Ln)	(Lc)	(Rg)

10 NEW SEQUENCES (2nd year)

061	063	065	067	069	071	073	075	077	079
062	064	066	068	070	072	074	076	078	080
(Lc)	(Ln)	(Ln)	(Rg)	(A)	(Ln)	(Lc)	(A)	(Rg)	(Ln)

11 NEW SEQUENCES (2nd year)

051	053	055	057	059
052	054	056	058	060
(Ln)	(Rg)	(Lc)	(Ln)	(A)

6 NEW SEQUENCES (2nd year)

021	023	025	027	029	031	033	035	037	039
022	024	026	028	030	032	034	036	038	040
(Ln)	(Ln)	(Ln)	(Ln)	(Ln)	(Ln)	(Ln)	(Ln)	(Ln)	(Ln)

7 NEW SEQUENCES (1st year) 8 NEW SEQUENCES (1st year) 9 NEW SEQUENCES (1st year)

001	003	005	007	009	011	013	015	017	019
002	004	006	008	010	012	014	016	018	020
(Ln)	(Ln)	(Ln)	(Ln)	(Ln)	(Ln)	(Ln)	(Ln)	(Ln)	(Ln)

1 POTATOES (1st year) 2 TREATMENT CROPS (1st year) 3 POTATOES (1st year) 4 TREATMENT CROPS (1st year) 5 NEW SEQUENCES (1st year)

NOTE: R2, R9 etc. refers to year that reseeded (R) grass first under arable crop (1963, 1969 etc)

(F), (D): None, Dung (residual treatments); c, n: None, N+K top dressed in Spring and after each cut except the last.