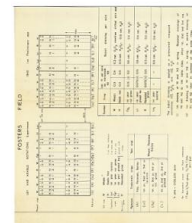


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ROTHAMSTED
RESEARCH

Collection of Plans for the Fosters Ley-arable Experiment



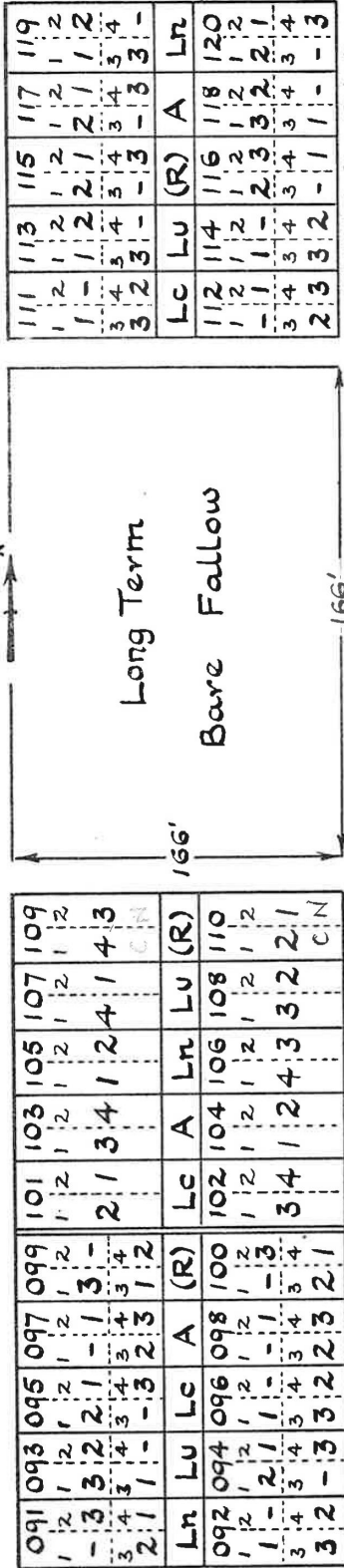
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Fosters Ley-arable 1970-79

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 22nd 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 2	1 2	1 3	1 2	2 1	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
3 2	1 1	1 2	1 3	1 2	3 4	1 2	4 3	3 2	2 1
Ln	Lu	Lc	A	(R)	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

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	

071	073	075	077	079
1 2	1 2	1 2	1 2	1 2
3 4	3 4	3 4	3 4	3 4
3 2	3 2	1 2	3 2	3 2
Ln	Lc	A	(R)	Lu
072	074	076	078	080
1 2	1 2	1 2	1 2	1 2
3 4	3 4	3 4	3 4	3 4
2 1	1 2	1 2	3 3	3 3
Ln	Lc	A	(R)	Lu

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

12. WHEAT after Potatoes

6. WHEAT 5th test crop

7. WHEAT 6th test crop

8. BARLEY after Wheat

9. BARLEY after Wheat

001	003	005	007	009
1 2	1 2	1 2	1 2	1 2
3 4	3 4	3 4	3 4	3 4
Ln	Lu	Lc	Ln	Lu
002	004	006	008	010
1 2	1 2	1 2	1 2	1 2
3 4	3 4	3 4	3 4	3 4
Ln	Lu	Lc	Ln	Lu

1. Treatment Crops 1st year

021	023	025	027	029
1 2	1 2	1 2	1 2	1 2
3 4	3 4	3 4	3 4	3 4
Ln	Ln	B ^{1/2}	Lc	
022	024	026	028	030
1 2	1 2	1 2	1 2	1 2
3 4	3 4	3 4	3 4	3 4
Ln	Ln	B ^{1/2}	Lc	

031	033	035	037	039
1 2	1 2	1 2	1 2	1 2
3 4	3 4	3 4	3 4	3 4
Ln	Ln	Lu	Lc	(R)
032	034	036	038	040
1 2	1 2	1 2	1 2	1 2
3 4	3 4	3 4	3 4	3 4
Ln	Ln	Lu	Lc	(R)

041	043	045	047	049
1 2	1 2	1 2	1 2	1 2
3 4	3 4	3 4	3 4	3 4
Ln	Ln	Lc	Ln	(R)
042	044	046	048	050
1 2	1 2	1 2	1 2	1 2
3 4	3 4	3 4	3 4	3 4
Ln	Ln	Lc	Ln	(R)

2. POTATOES 1st Test Crop

3. Treatment Crops 1st year

4. POTATOES 1st Test Crop

5. WHEAT 6th test crop

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

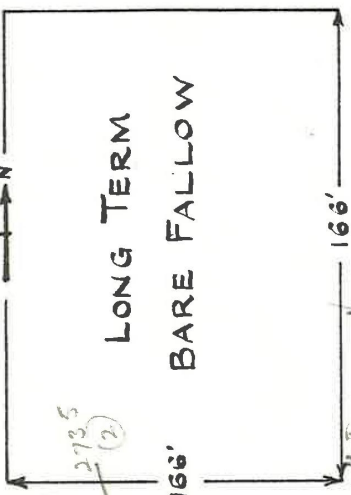
N Rates, per acre
W.Wheat, 2nd Test Crop

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 1 2 2 3 3 4	093 1 2 2 3 3 4	095 1 2 2 3 3 4	097 1 2 2 3 3 4	099 1 2 2 3 3 4	101 1 2 2 1 3 4	103 1 2 2 3 3 4	105 1 2 2 4 3 1	107 1 2 2 4 3 1	109 1 2 2 4 3 1
Lr	Lr	Lr	Lr	Lr	Lc	Lc	Lc	Lc	Lr



10, BARLEY after Wheat 11, WHEAT 4th cereal

051 1 2 2 4	053 1 2 2 3	055 1 2 2 3	057 1 2 2 4	059 1 2 2 4	061 1 2 3 2	063 1 2 4 2	065 1 2 1 2	067 1 2 1 3	069 1 2 1 3	071 1 2 4 3	073 1 2 4 1	075 1 2 1 3	077 1 2 2 1	079 1 2 1 2	081 1 2 3 4	083 1 2 1 4	085 1 2 2 3	087 1 2 3 4	089 1 2 1 2
Lu	R ⁹	Lc	Lr	A	Lc	Lr	Lu	R ⁵	A	Lr	Lc	A	R ⁸	Lu	R ⁶	Lr	Lc	A	Lu

12, BARLEY after Wheat

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	041 1 2	043 1 2	045 1 2	047 1 2	049 1 2	051 1 2	053 1 2	055 1 2	057 1 2	059 1 2
Lu	Lr	H	Lc	R	Lr	Lu	Lc	R ⁴	A ⁴	Lu	Lc	Lr	Lc	Lu	Lc	Lc	Lc	A	Lu

7, WHEAT 5th cereal 8, WHEAT 3rd cereal 9, WHEAT 3rd 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	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	041 1 2	043 1 2	045 1 2	047 1 2	049 1 2
Lc	H	Lu	Lu	Lr	Lr	Lr	R ⁴	A ⁴	Lc ²	Lu	Lu	H	Lc	R	Lr	Lu	Lc	R ⁴	A ⁴	Lu	Lc	Lr	Lc	A

1, Treatment Crops 2nd year

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	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	041 1 2	043 1 2	045 1 2	047 1 2	049 1 2
Lc	H	Lu	Lu	Lr	Lr	Lr	R ⁴	A ⁴	Lc ²	Lu	Lu	H	Lc	R	Lr	Lu	Lc	R ⁴	A ⁴	Lu	Lc	Lr	Lc	A

3, Treatment Crops 2nd year

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	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	041 1 2	043 1 2	045 1 2	047 1 2	049 1 2
Lc	H	Lu	Lu	Lr	Lr	Lr	R ⁴	A ⁴	Lc ²	Lu	Lu	H	Lc	R	Lr	Lu	Lc	R ⁴	A ⁴	Lu	Lc	Lr	Lc	A

4, WHEAT after Potatoes

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	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	041 1 2	043 1 2	045 1 2	047 1 2	049 1 2
Lc	H	Lu	Lu	Lr	Lr	Lr	R ⁴	A ⁴	Lc ²	Lu	Lu	H	Lc	R	Lr	Lu	Lc	R ⁴	A ⁴	Lu	Lc	Lr	Lc	A

5, WHEAT after Potatoes

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	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	041 1 2	043 1 2	045 1 2	047 1 2	049 1 2
Lc	H	Lu	Lu	Lr	Lr	Lr	R ⁴	A ⁴	Lc ²	Lu	Lu	H	Lc	R	Lr	Lu	Lc	R ⁴	A ⁴	Lu	Lc	Lr	Lc	A

6, WHEAT 4th 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	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	041 1 2	043 1 2	045 1 2	047 1 2	049 1 2
Lc	H	Lu	Lu	Lr	Lr	Lr	R ⁴	A ⁴	Lc ²	Lu	Lu	H	Lc	R	Lr	Lu	Lc	R ⁴	A ⁴	Lu	Lc	Lr	Lc	A

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

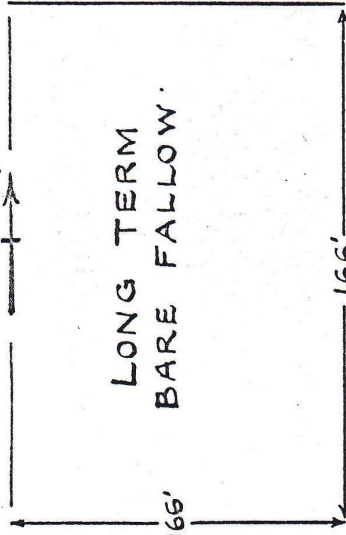
001 1 2	003 1 2	005 1 2	007 1 2	009 1 2	011 1 2	013 1 2	015 1 2	017 1 2	019 1 2	021 1 2	023 1 2	025 1 2	027 1 2	029 1 2	031 1 2	033 1 2	035 1 2	037 1 2	039 1 2	041 1 2	043 1 2	045 1 2	047 1 2	049 1 2
Lc	H	Lu	Lu	Lr	Lr	Lr	R ⁴	A ⁴	Lc ²	Lu	Lu	H	Lc	R	Lr	Lu	Lc	R ⁴	A ⁴	Lu	Lc	Lr	Lc	A

1, Treatment Crops 2nd year
2, WHEAT after Potatoes
3, Treatment Crops 2nd year
4, WHEAT after Potatoes
5, WHEAT after Potatoes
6, WHEAT 4th cereal
7, WHEAT 5th cereal 8, WHEAT 3rd cereal 9, WHEAT 3rd cereal
10, BARLEY after Wheat 11, WHEAT 4th cereal
12, BARLEY after Wheat

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 ³	Lc	A	Ln	Lu	R ⁹
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 ³	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 ⁹	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 ⁶	A	Ln	Lc	A	R ⁸	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	4	3
					3	4	3	2	1
Lc	Sb	Lu	Lu	Ln	R ⁴	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

7 WHEAT 6th Cereal 8 WHEAT 4th Cereal 9 WHEAT 4th 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	Lu	Ln	Lu	Lc	R ⁴	A
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

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

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

LONG TERM BARE FALLOW

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 ³	Lc	A	Lr	Lu	R ⁹
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 ⁹	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

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 ⁵	A	Lr	Lc	A	R ⁸	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

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 ⁸	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

7 Wheat 7th Cereal Variety: Cappelle sown 23 Oct 1972

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				R	
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

041 1 2	043 1 2	045 1 2	047 1 2
2 4	2 3	2 4	2 4
Lu	Lc	Lr	R ⁵
042 1 2	044 1 2	046 1 2	048 1 2
3 1	4 1	1 3	3 1

9 Wheat 5th 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			
Lu	A	Lu	Lr	Lr	Lr	Lr	H	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
0 0	2 1	1 0		1 2	1 2	1 2	1 2	1 2	1 2

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			
Lu	A	Lu	Lr	Lr	Lr	Lr	H	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
0 0	2 1	1 0		1 2	1 2	1 2	1 2	1 2	1 2

5 Wheat 5th 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			
Lu	A	Lu	Lr	Lr	Lr	Lr	H	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
0 0	2 1	1 0		1 2	1 2	1 2	1 2	1 2	1 2

4th 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			
Lu	A	Lu	Lr	Lr	Lr	Lr	H	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
0 0	2 1	1 0		1 2	1 2	1 2	1 2	1 2	1 2

3 POTATOES + Treatment Crops 5th 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			
Lu	A	Lu	Lr	Lr	Lr	Lr	H	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
0 0	2 1	1 0		1 2	1 2	1 2	1 2	1 2	1 2

2 Treatment Crops 1st Year 1962 1963 etc Year 'R' under 1st arable crop.

1 POTATOES 1st Test Crop R 3.4.5.8.9 1962 1963 etc Year 'R' under 1st arable crop.

ROTHAMSTED LEY - ARABLE 26th 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
2	0.8 cwt N
3	1.2 cwt N

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

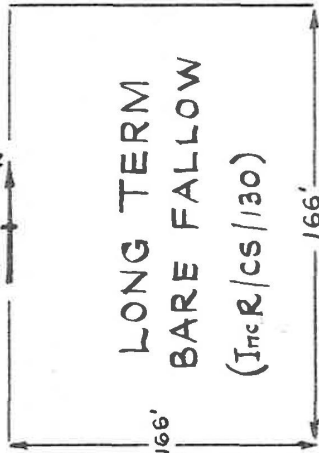
Nitrogen as 'Nitro-Chalk' 25 applied in spring

W. Variety: Cappelle

Dieldrin seed dressed

Sown at 180lb/a or

24 Oct 1973



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
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 ³	LC	A	Ln	Lu	R ⁹
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
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	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 ⁹	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

6 Wheat 7th cereal

001	003	005	007	009
1 2	1 2	1 2	1 2	1 2
3 4	2 2	0 1	R	2 0
LC	A	Lu	Ln	Ln
002	004	006	008	010
1 2	1 2	1 2	1 2	1 2
2 0	1 1	3 0	3 4	3 3

1 WHEAT 2nd Test crop

2 Treatment crops 2nd year R 3.4.5.8.9 = 1962, 1964, 1965 etc., the year 'R' under 1st arable crop.

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 ⁵	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

7 Wheat 8th cereal 8 Wheat 6th cereal 9 Wheat 6th cereal

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

12 Wheat 5th cereal

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

4 Treatment crops 2nd year

5 Wheat 8th cereal

3 WHEAT 2nd Test crop

1 WHEAT 2nd Test crop R 3.4.5.8.9 = 1962, 1964, 1965 etc., the year 'R' under 1st arable crop.

FOSTERS 1975

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

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

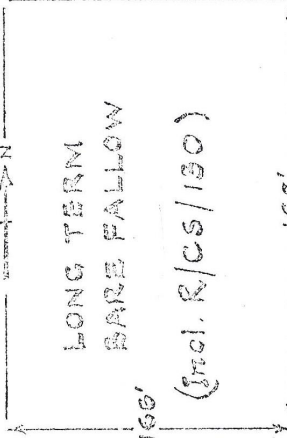
LEY-ARABLE
Spans: Blocks 1-4 AE Johnston, Blocks 5-12 D.B. Slope

Rothamsted

Selected Plan

sub-plots 0511*
incl 0521
experiments transposed
field.

111	110	110	117	119
1	2	1	1	1
4	1	2	1	3
1	3	1	1	3
LC	LN	R ²	A	LN
112	111	110	110	110
1	2	1	1	1
2	3	4	3	2
4	3	2	3	4



12 WHEAT 6th cereal

061	063	065	067	069
1	2	3	4	1
3	2	4	2	1
4	1	1	3	2
LC	LN	R ²	A	LN
062	064	066	068	070
1	2	3	4	1
4	1	1	3	2
4	1	1	3	2

071	073	075	077	079
1	2	4	3	1
4	3	4	1	1
1	2	1	1	2
LN	LC	A	R ²	LN
072	074	076	078	080
1	2	3	4	1
2	1	3	2	4
2	1	3	2	4

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

11 WHEAT 8th cereal

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

10 WHEAT 6th cereal

WW - Cappelle
sown at 18 Oct 1974
with 336 lb/ha (376 kg/ha)
of (0:20:20) ca.
Blks 5-12 sown 15 Oct 1974
Blks 1-3 sown 31 Oct 1974
id in error
Order of N's
reversed.

9 WHEAT 7th cereal

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

8 WHEAT 7th cereal

031	033	035	037	039
1	2	3	4	1
1	2	3	4	1
1	2	3	4	1
LN	LC	LN	R ²	A
032	034	036	038	040
1	2	3	4	1
1	2	3	4	1
1	2	3	4	1

7 WHEAT 9th cereal

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

* 75/100/109 New treatments to R², blocks 1-4.

6 WHEAT 8th cereal

011	013	015	017	019
1	2	3	4	1
1	2	3	4	1
1	2	3	4	1
LN	LC	LN	R ²	A
012	014	016	018	020
1	2	3	4	1
1	2	3	4	1
1	2	3	4	1

5 WHEAT 9th cereal

001	003	005	007	009
1	2	3	4	1
0	2	1	3	0
3	4	3	4	3
2	2	3	1	3
LN	LC	LN	R ²	A
002	004	006	008	010
1	2	3	4	1
1	2	3	4	1
1	2	3	4	1

5 WHEAT 9th cereal

4 Treatment crops

3 WHEAT

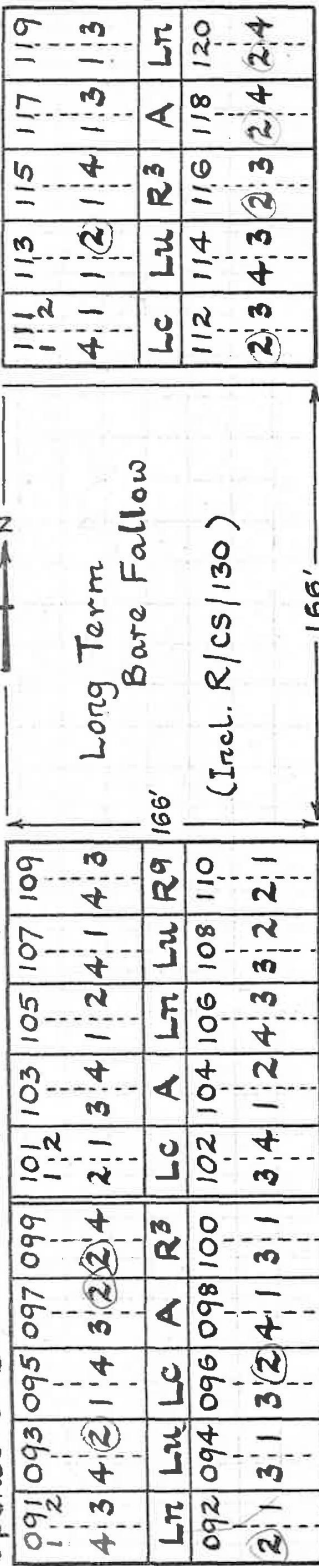
2 Treatment crops

1 WHEAT

3rd Test crop
Note: R², R², etc refers to year R (Reseeded grass) under 1st enable crop, ie 1963, 1964
3rd Test crop
3rd year

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
 Sow n: 22 Oct 75
 P Pentland
 Crown

10 WHEAT 7th Cereal 11 WHEAT 9th Cereal

051 1 2	053 2 4	055 4 3	057 3 4	059 3 1
Lu R9	Lc Ln	A		
052 1 3	054 4 1	056 2 1	058 1 2	060 2 4
Lu R9	Lc Ln	A		

061 1 2	063 4 3	065 1 3	067 4 1	069 4 3
FALLOW	(no cross cultivations)			
062 1 2	064 3 2	066 4 2	068 4 3	070 3 4
Lc Ln Lu R6	A			

6 WHEAT 9th Cereal * 76/CS/169

001 1 2	003 0 0	005 0 0	007 R*	009 n.c
Lc H Lu	Lu Ln	A Lc Lu		
002 0 0	004 0 0	006 0 0	008 0 0	010 - 2
Lc H Lu	Lu Ln	A Lc Lu		

7 WHEAT 8th Cereal 8 WHEAT 8th Cereal 9 WHEAT 8th Cereal

021 1 2	023 2 1	025 R*	027 C n	029 R*
Lu Ln	H Lc	Lc	Lc	Lc
022 0 0	024 - 3	026 3 1	028 3 1	030 - 3
Lc Ln	H Lc	Lc	Lc	Lc

12 WHEAT 7th Cereal

081 1 2	083 3 4	085 1 4	087 2 3	089 1 2
Lu Ln	Lc Ln	Lc Ln	Lc Ln	Lc Ln
082 1 2	084 2 3	086 4 1	088 1 2	090 3 4
Lu Ln	Lc Ln	Lc Ln	Lc Ln	Lc Ln

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

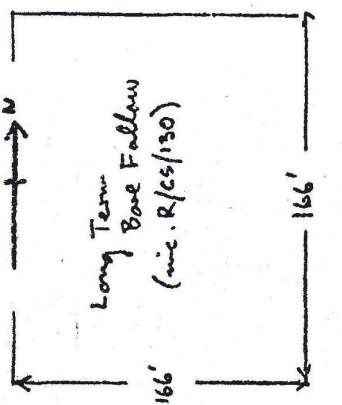
3 Treatment Crops 4 POTATOES (P.W.) 1st Year

Note: R3, R4 etc, refers to year (Reseeded grass)

Residuals: F, D None, Durg

Rollamsted LEY - MARBLE 29th 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 th 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 th General									

NEW SEQUENCES (Block 507):
 LU Limestone on litters, with resistant to Verticillium
 LC Green/short, dry, on litters, species, unlimed
 RG Pasture mix of grass (3 years) - from choice of mix
 B Barley, Tullin
 O Oats, Mamod

ALL SPRING (1977) SOWN

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

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

061	063	065	067	069	071	073	075	077	079
Lc	RG	Lu	B	O	Lm	Lc	A	R3	Lu
062	064	066	068	070	072	074	076	078	080
7 NEW SEQUENCES									
8 WHEAT 9 th General									

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

1 Treatment Crops 2nd Year
 001 003 005 007 009
 12
 Lc Sb Lu // Lm
 002 004 006 008 010

021	023	025	027	029	031	033	035	037	039
Lc	Lm	Sb	Lc	//	Lm	Lc	Lc	//	A
022	024	026	028	030	032	034	036	038	040
3 Treatment Crops 2 nd Year									
4 WHEAT 2 nd Test Crop (P.W.M.)									
5 NEW SEQUENCES 23'									

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 - ABABLE

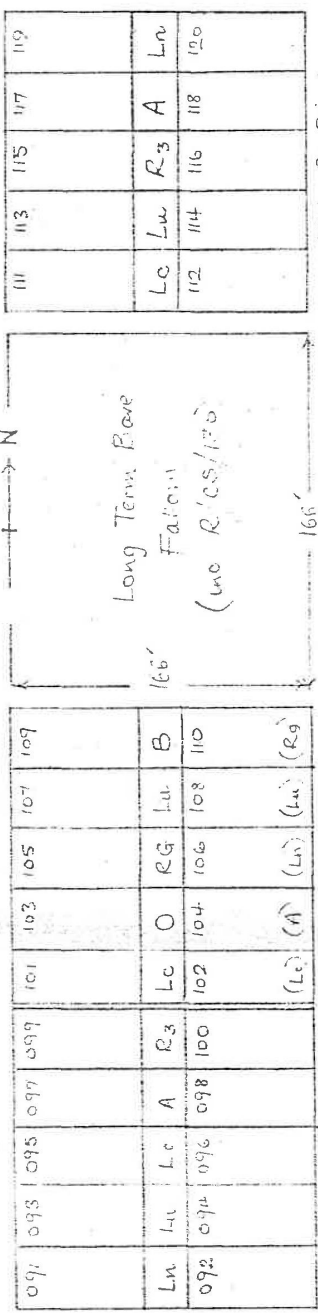
Fababashed

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

CROPPING

- WHEAT: Sicca 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	061	063	065	067	069	071	073	075	077	079	081	083	085	087	089					
Lu	Lu	Lc	A	R3	Lc	O	RG	Lu	B	Lc	RG	Lu	B	P	Lc	Lu	B	P	Lu	Lu	Lc	Lu	R3	A	Lu				
092	094	096	098	100	102	104	106	108	110	062	064	066	068	070	072	074	076	078	080	082	084	086	088	090					
(Lu)	(Lu)	(Lc)	(A)	(R3)	(Lc)	(O)	(RG)	(Lu)	(B)	(Lc)	(RG)	(Lu)	(B)	(P)	(Lc)	(Lu)	(B)	(P)	(Lu)	(Lu)	(Lc)	(Lu)	(R3)	(A)	(Lu)				

6 NEW SEQUENCES (1st Year)										7 NEW SEQUENCES (2nd Year)										8 NEW SEQUENCES (2nd Year)										9 NEW SEQUENCES (2nd Year)									
001	003	005	007	009	011	013	015	017	019	021	023	025	027	029	031	033	035	037	039	041	043	045	047	049	051	053	055	057	059	061	063	065	067	069					
Lc	O	Lu	Lu	Lu	Lc	R	R	R	R	Lc	Lu	O	Lc	Lc	Lu	Lu	Lc	Lc	A	Lu	Lc	RG	B	P	Lc	Lu	Lc	Lc	Lc	Lc	Lc	Lc	Lc	Lc					
002	004	006	008	010	012	014	016	018	020	022	024	026	028	030	032	034	036	038	040	042	044	046	048	050	052	054	056	058	060	062	064	066	068	070					
(Lc)	(O)	(Lu)	(Lu)	(Lu)	(Lc)	(R)	(R)	(R)	(R)	(Lc)	(Lu)	(O)	(Lc)	(Lc)	(Lu)	(Lu)	(Lc)	(Lc)	(A)	(Lu)	(Lc)	(RG)	(B)	(P)	(Lc)	(Lu)	(Lc)	(Lc)	(Lc)	(Lc)	(Lc)	(Lc)	(Lc)	(Lc)					

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: R3, 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)

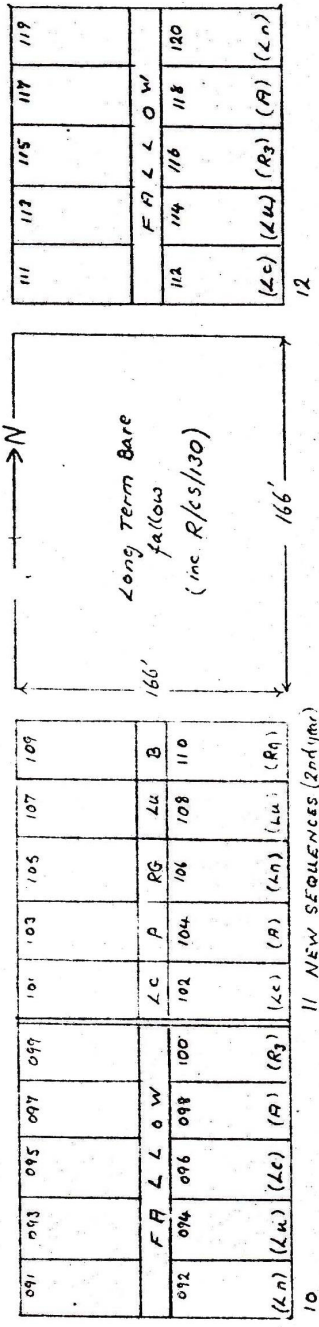
- L4 Lucerne vetch
- Lc Grass/Clver
- Rg Perennial ryegrass
- W W. Wheat, Flanders
- BE Beans, Marston
- B Barley, Potlton
- O Oats, Manod
- P Potatoes, Pentland Crown (FS)

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
(F)	(D)	(F)	(D)	(F)	(D)	(F)	(D)	(F)	(D)

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

041	043	045	047	049
042	044	046	048	050
(Ln)	(Lc)	(Ln)	(Rg)	(A)

5 NEW SEQUENCES (2nd year)

001	003	005	007	009
002	004	006	008	010
(D)	(F)	(D)	(F)	(D)

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

NOTE: R, Rg 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 year except the last.