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ROTHAMSTED
RESEARCH

Collection of Plans for the Highfield Ley-arable Experiment

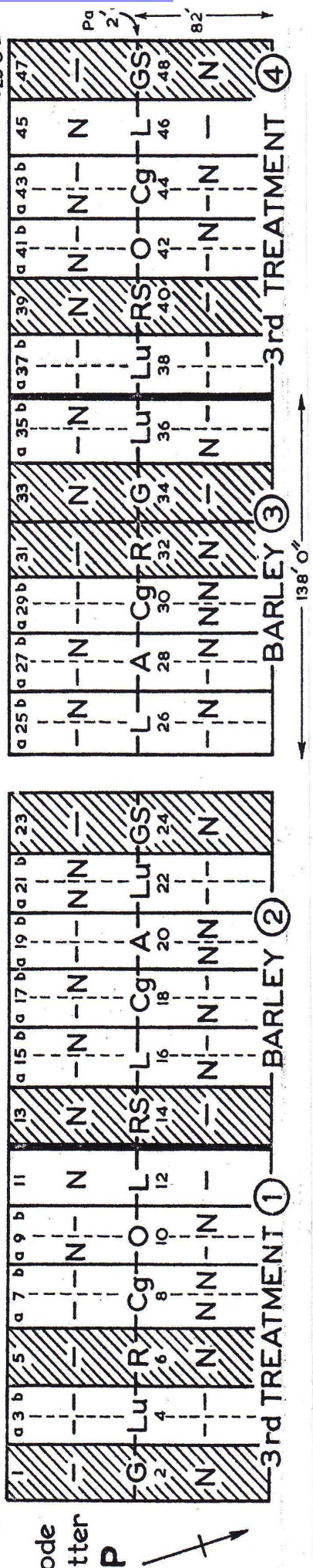
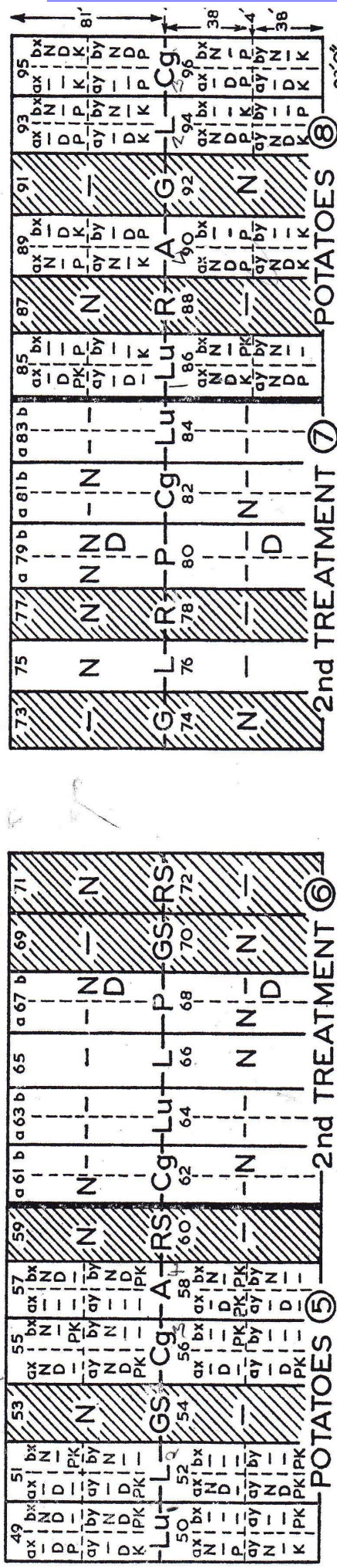
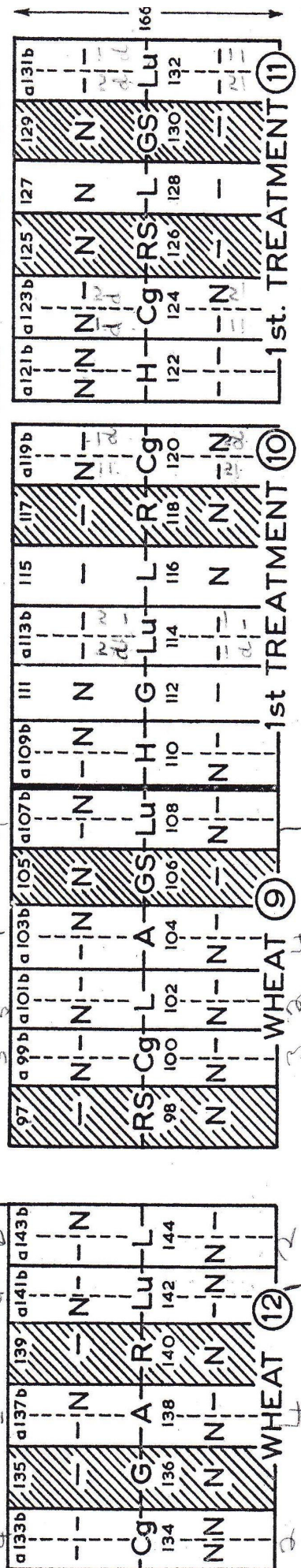
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Highfield Ley-arable 1960-69

Rothamsted Research

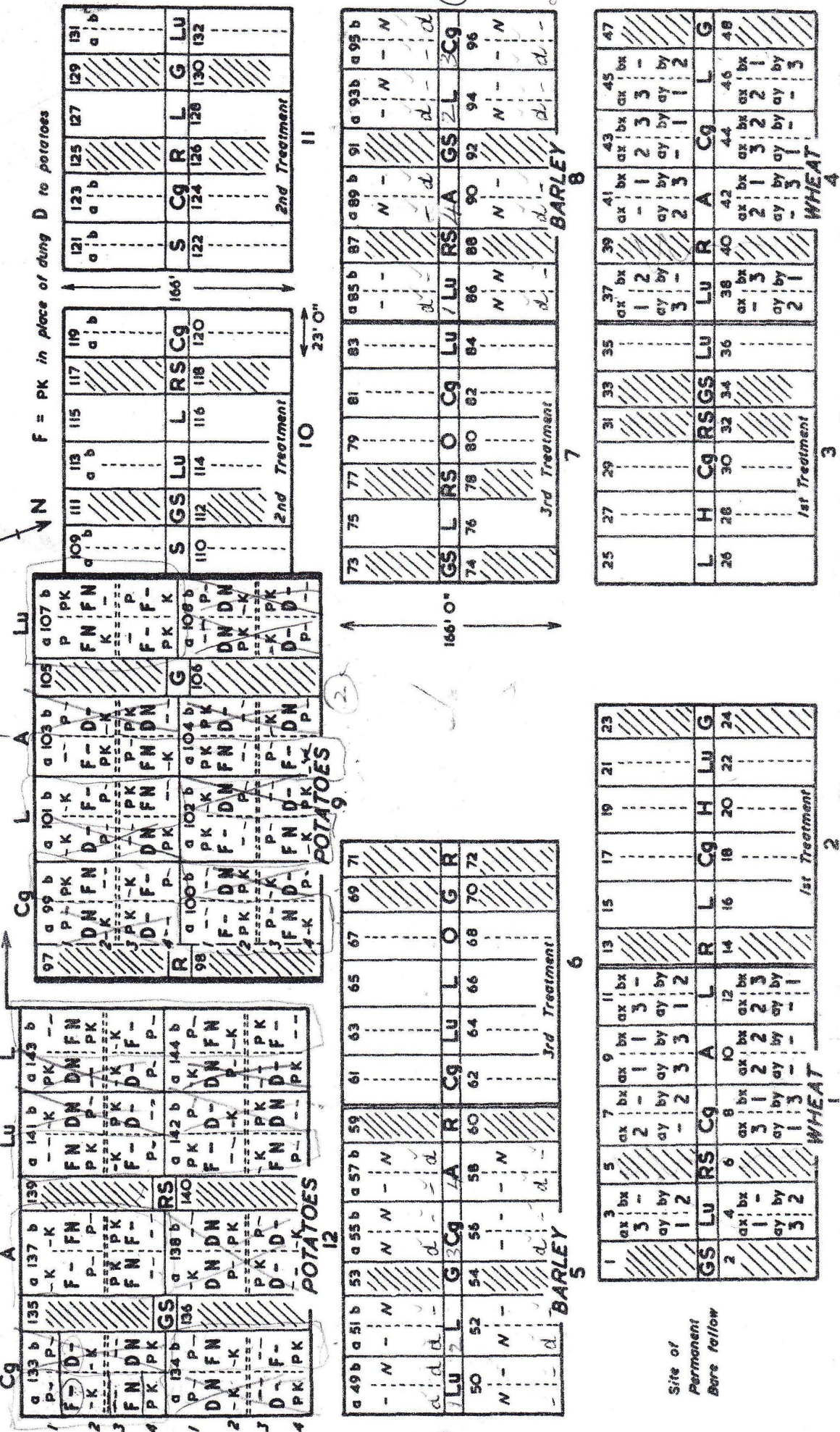
Rothamsted Research (1949-1990) *Highfield Ley-arable 1960-69* ; Collection Of Plans For The Highfield Ley-Arable Experiment, pp 12 - 21

ROTHAMSTED HIGHFIELD LEY-ARABLE ROT NS TWELFTH YEAR 1960



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Rothamsted 4 HIGHFIELD ZEY - ARABLE ROTATIONS 4 Code letter P 13th Year 1961



Site of Permanent Bars follow

9

Rotkamsted LEY - ARABLE

HLA

17th Year

HIGHFIELD 1965

133	135	137	139	141	143
Ln	G n	R n	R n	Lu	Lc
134	136	138	140	142	144
3rd Treatment	3rd Treatment	3rd Treatment	3rd Treatment	3rd Treatment	3rd Treatment
12	12	12	12	12	12

97 ^b	99	101	103	105	107
R n	Ln	Lc	O	G n	Lu
98	100	102	104	106	108
3rd Treatment	3rd Treatment	3rd Treatment	3rd Treatment	3rd Treatment	3rd Treatment
9	9	9	9	9	9

109	111	113	115	117	119
G n	G n	R n	R n	R n	R n
110	112	114	116	118	120
3	3	3	3	3	3
12	12	12	12	12	12

121	123	125	127	129	131
A	C9	R	L	Lu	Lu
122	124	126	128	130	132
3	3	3	3	3	3
12	12	12	12	12	12

• Winter nitrogen to Wheat.

49	51	53	55	57	59
Lu	Lc	Ln	A	R	R
50	52	54	56	58	60
3	3	3	3	3	3
5	5	5	5	5	5

WHEAT

61	63	65	67	69	71
Ln	Lu	Lc	H	R n	R n
62	64	66	68	70	72
1st Treatment	1st Treatment	1st Treatment	1st Treatment	1st Treatment	1st Treatment
6	6	6	6	6	6

73 ^b	75	77	79	81	83
G n	R n	R n	R n	R n	R n
74	76	78	80	82	84
1st Treatment	1st Treatment	1st Treatment	1st Treatment	1st Treatment	1st Treatment
7	7	7	7	7	7

85	87	89	91	93	95
Lu	R	A	Lc	Lc	Ln
86	88	90	92	94	96
3	3	3	3	3	3
2	2	2	2	2	2

WHEAT

Perm. bare fallow

1	3	5	7	9	11
G n	R n	R n	R n	R n	R n
2	4	6	8	10	12
2nd Treatment	2nd Treatment	2nd Treatment	2nd Treatment	2nd Treatment	2nd Treatment
1	1	1	1	1	1

POTATOES

25	27	29	31	33	35
D F	F F	F D	F D	(G) D	D D
26	28	30	32	34	36
F D	D D	F D	F D	F D	F F
3	3	3	3	3	3

POTATOES

37	39	41	43	45	47
Lu	R n	Sb	Ln	Lc	G n
38	40	42	44	46	48
2nd Treatment	2nd Treatment	2nd Treatment	2nd Treatment	2nd Treatment	2nd Treatment
4	4	4	4	4	4

POTATOES

HIGHFIELD 1966 10

HLA

18th Year

Rotamsted LEY - ARABLE

133	135	137	139	141	143
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
Lu	A	A	R	R	LC
134	136	138	140	142	144
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
Lu	A	A	R	R	LC

97	99	101	103	105	107
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
R	LC	LC	A	G	Lu
98	100	102	104	106	108
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
Lu	LC	LC	A	G	Lu

109	111	113	115	117	119
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
H	Lu	Lu	LC	R	Lr
110	112	114	116	118	120
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
H	Lu	Lu	LC	R	Lr

121	123	125	127	129	131
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
H	Lr	R	LC	G	Lu
122	124	126	128	130	132
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
H	Lr	R	LC	G	Lu

49	51	53	55	57	59
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
D	D	G	D	F	D
Lu	LC	Lr	A	R	R
50	52	54	56	58	60
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
F	F	D	D	F	F
Lu	LC	Lr	A	R	R

61	63	65	67	69	71
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
Lr	Lu	LC	Sb	G	R
62	64	66	68	70	72
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
Lr	Lu	LC	Sb	G	R

73	75	77	79	81	83
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
G	R	R	c	Lr	Lu
74	76	78	80	82	84
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
Lu	LC	Sb	Lr	Lu	Lu

85	87	89	91	93	95
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
D	F	F	G	D	F
Lu	R	A	Lr	LC	Lr
86	88	90	92	94	96
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
D	F	D	D	F	D
Lu	R	A	Lr	LC	Lr

Perm.
bare
follow

1	3	5	7	9	11
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
G	R	R	R	R	LC
2	4	6	8	10	12
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
Lu	Lu	Lu	Lr	O	LC

13	15	17	19	21	23
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
R	L	Cg	A	Lu	Lu
14	16	18	20	22	24
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
R	L	Cg	A	Lu	Lu

25	27	29	31	33	35
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
L	A	Cg	R	(G)	Lu
26	28	30	32	34	36
ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3	ax:bx 2:3
L	A	Cg	R	(G)	Lu

16

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Rothamsted LEY - ARABLE HIGHFIELD 1967 HLA HIGHFIELD 1967

65th/50 N 1966 19th. Year

133	a	b	F	D	02.13	Ln	134	D	F	02.13
135	a	b	G	F	02.13	A	136	D	D	02.13
137	a	b	F	F	02.13	Lu	138	D	D	02.13
139	a	b	R	F	13.13	Lu	140	F	D	02.01/13.02
141	a	b	F	D	13.13	Lu	142	F	D	02.13
143	a	b	F	D	02.13	Lc	144	F	D	02.13

POTATOES 12

97	a	b	R	c	n	Lu	98	F	D	13.13
99	a	b	D	F	02.13	Ln	100	F	D	13.13
101	a	b	D	F	02.13	Lc	102	F	D	13.13
103	a	b	F	D	13.13	A	104	F	D	13.13
105	a	b	G	n	c	Lu	106	D	D	02.13
107	a	b	F	F	02.13	Lu	108	D	D	02.13
109	a	b	A	c	n	Sb	110	F	D	02.13
111	a	b	G	c	n	Lu	112	F	D	02.13
113	a	b	a	b	Lu	Lc	114	F	D	02.13
115	a	b	a	b	Lu	Lc	116	F	D	02.13
117	a	b	(R)	Sb	Lu	Sb	118	F	D	02.13
119	a	b	a	b	Lu	Ln	120	F	D	02.13

POTATOES 10

121	a	b	A	Lu	122	Sb	123	Lc	Lu
123	a	b	(R)	Lu	124	Sb	125	Sb	Lu
125	a	b	(R)	Lu	126	Sb	127	Lc	Lu
129	a	b	G	Lu	130	Lc	131	Lc	Lu
127	a	b	n	c	Lu	132	Lc	Lu	Lu

2nd. Treatment

61	a	b	Ln	Lu	62	Ln	63	a	b	Ln
65	a	b	Ln	Lu	66	Ln	67	a	b	Ln
69	a	b	G	n	Lu	O	70	a	b	Ln
71	a	b	R	n	Lu	Lu	72	a	b	Ln

3rd. Treatment

73	a	b	G	n	Lu	74	a	b	Ln	75	a	b	R	Lc
77	a	b	a	b	Lu	78	a	b	Ln	79	a	b	a	b
81	a	b	a	b	Lu	82	a	b	Ln	83	a	b	a	b
85	a	b	3	Lu	86	a	b	3	Lu	87	a	b	3	Lu

3rd. Treatment

85	a	b	3	Lu	86	a	b	3	Lu	87	a	b	3	Lu
89	a	b	3	Lu	90	a	b	3	Lu	91	a	b	3	Lu
93	a	b	3	Lu	94	a	b	3	Lu	95	a	b	3	Lu
97	a	b	3	Lu	98	a	b	3	Lu	99	a	b	3	Lu

Permanent bare fallow

BARLEY 5

13	a	b	(R)	H	14	H	15	a	b	H				
17	a	b	a	b	Ln	18	a	b	Ln	19	a	b	a	b
21	a	b	a	b	Lu	22	a	b	Lu	23	a	b	a	b

1st. Treatment

25	a	b	Lc	26	Lc	27	a	b	H	28	a	b	Ln	29	a	b	Ln	
31	a	b	(R)	Lu	32	a	b	H	33	a	b	(R)	Lu	34	a	b	Ln	
35	a	b	a	b	Lu	36	a	b	Lu	37	a	b	a	b	Lu	38	a	b

1st. Treatment

37	a	b	3	Lu	38	a	b	3	Lu	39	a	b	3	Lu
41	a	b	3	Lu	42	a	b	3	Lu	43	a	b	3	Lu
45	a	b	3	Lu	46	a	b	3	Lu	47	a	b	3	Lu
49	a	b	3	Lu	50	a	b	3	Lu	51	a	b	3	Lu

WHEAT 4

1	a	b	G	n	2	Lc	3	a	b	Lu				
5	a	b	a	b	Lu	6	a	b	Lu	7	a	b	a	b
9	a	b	a	b	Lu	10	a	b	Lu	11	a	b	a	b

WHEAT 1

