

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Collection of Plans for the Woburn Organic Manuring Experiment

[Full Table of Content](#)

W/RN/12 - Woburn Organic Manuring 2000 - 2004

Rothamsted Research

Rothamsted Research (1966-1988) *W/RN/12 - Woburn Organic Manuring 2000 - 2004* ; Collection Of Plans For The Woburn Organic Manuring Experiment, pp 35 - 39

// form of nitrogen changed. Vastly earlier version. 11/2/00.

00/W/RN/12

Organic Manuring Experiment

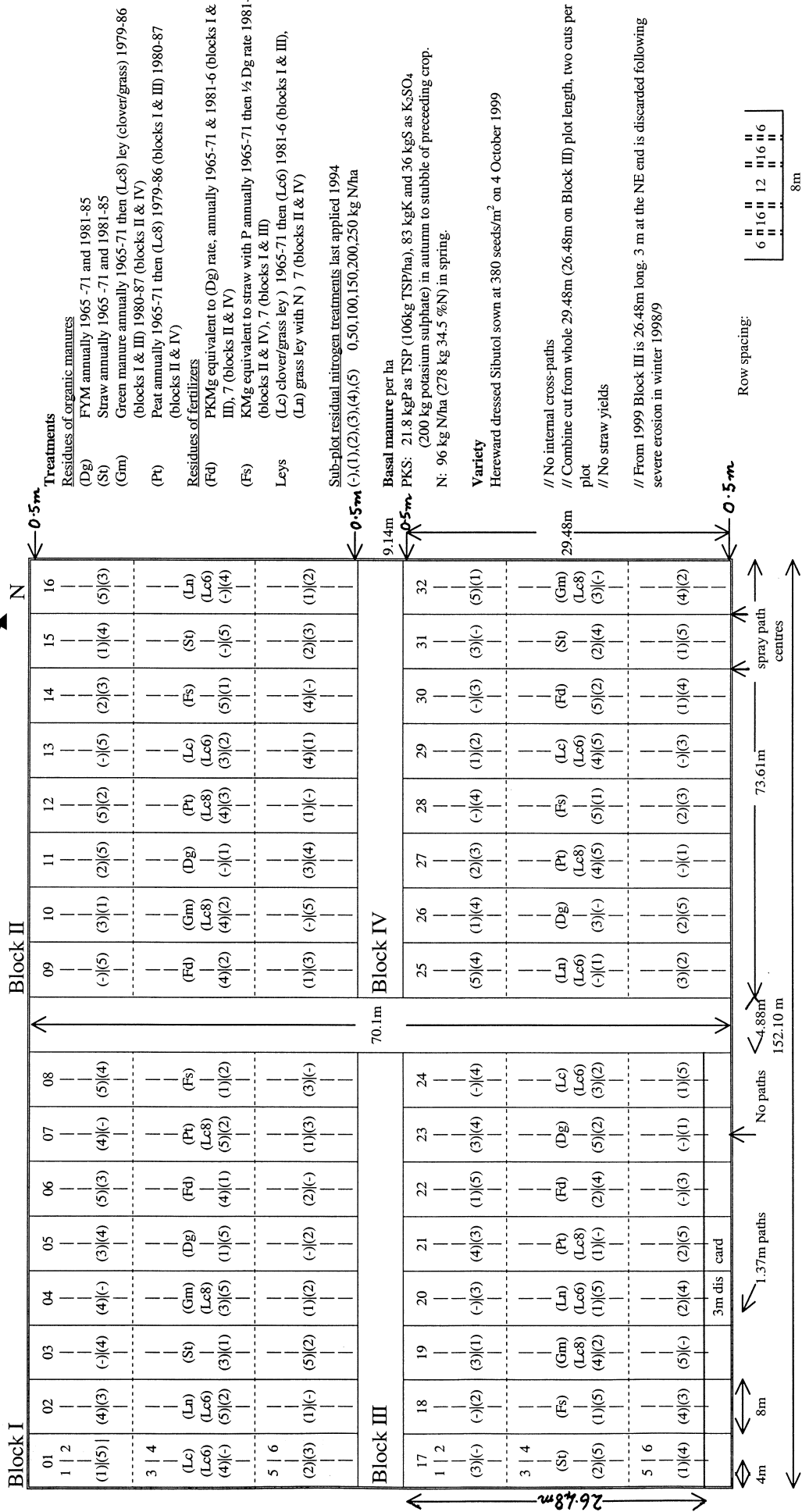
36th year

Stackyard B

204

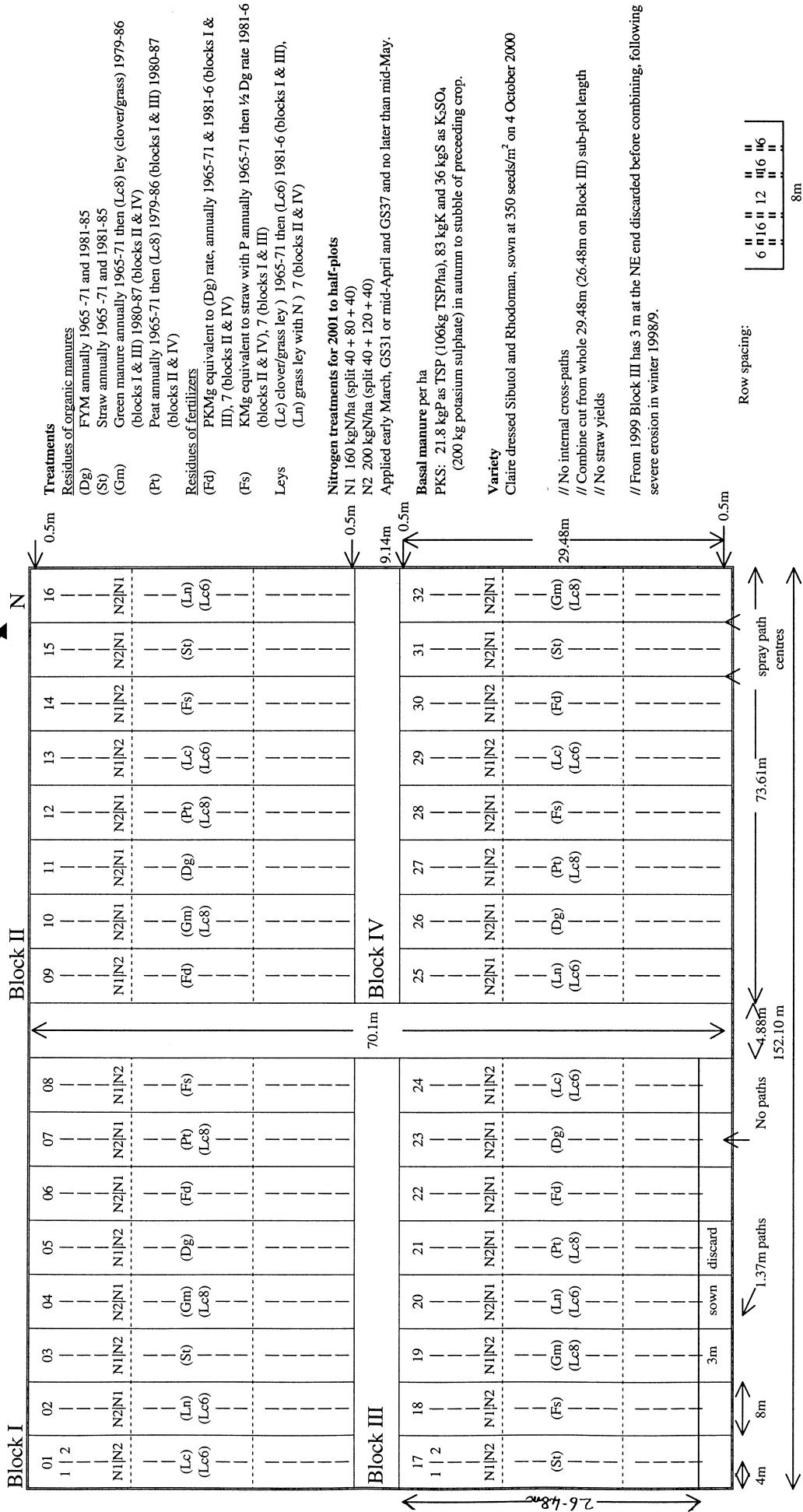
W. wheat

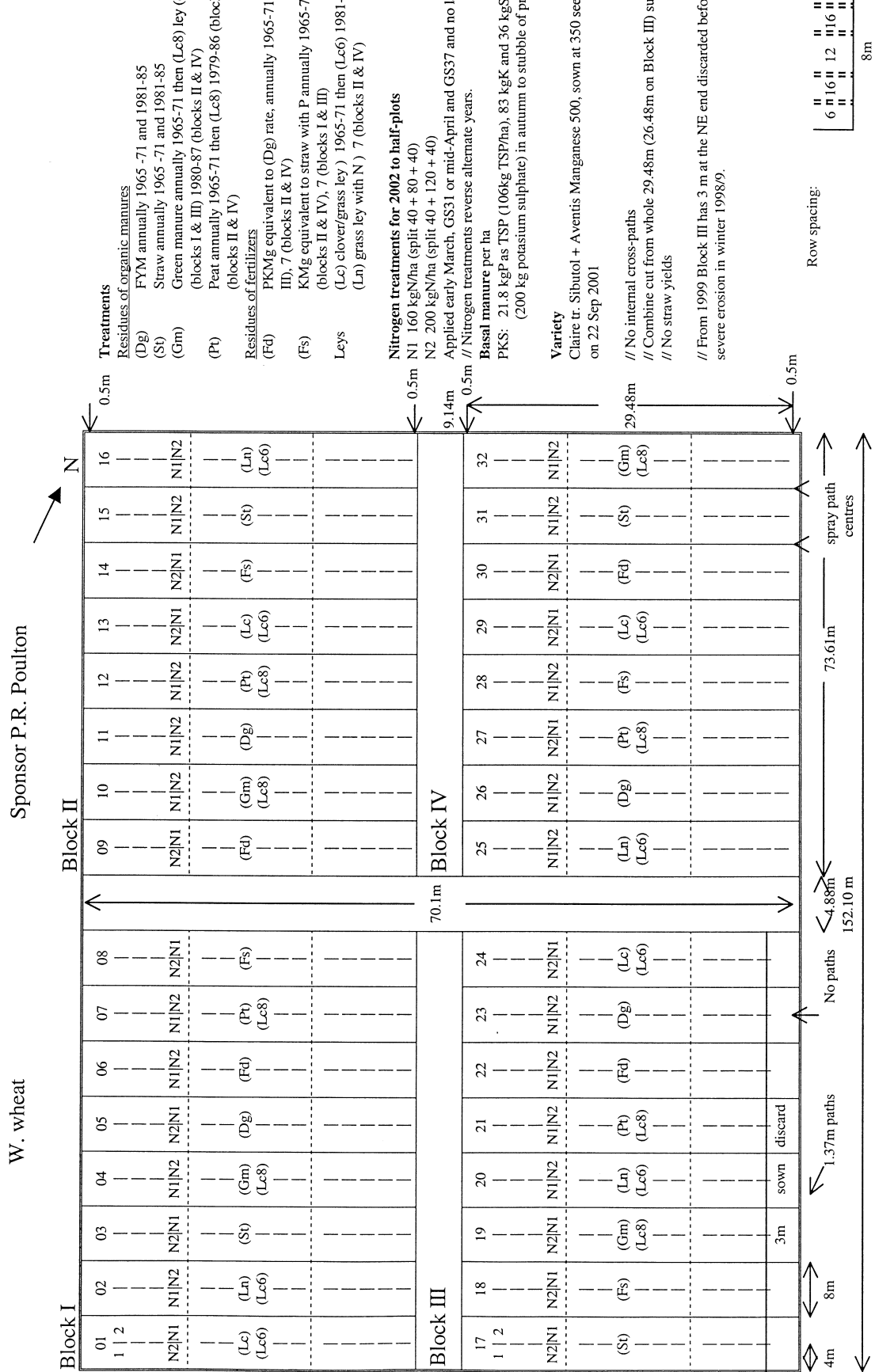
Sponsor P.R. Poulton



W. wheat

Sponsor P.R. Poulton





2003

2003

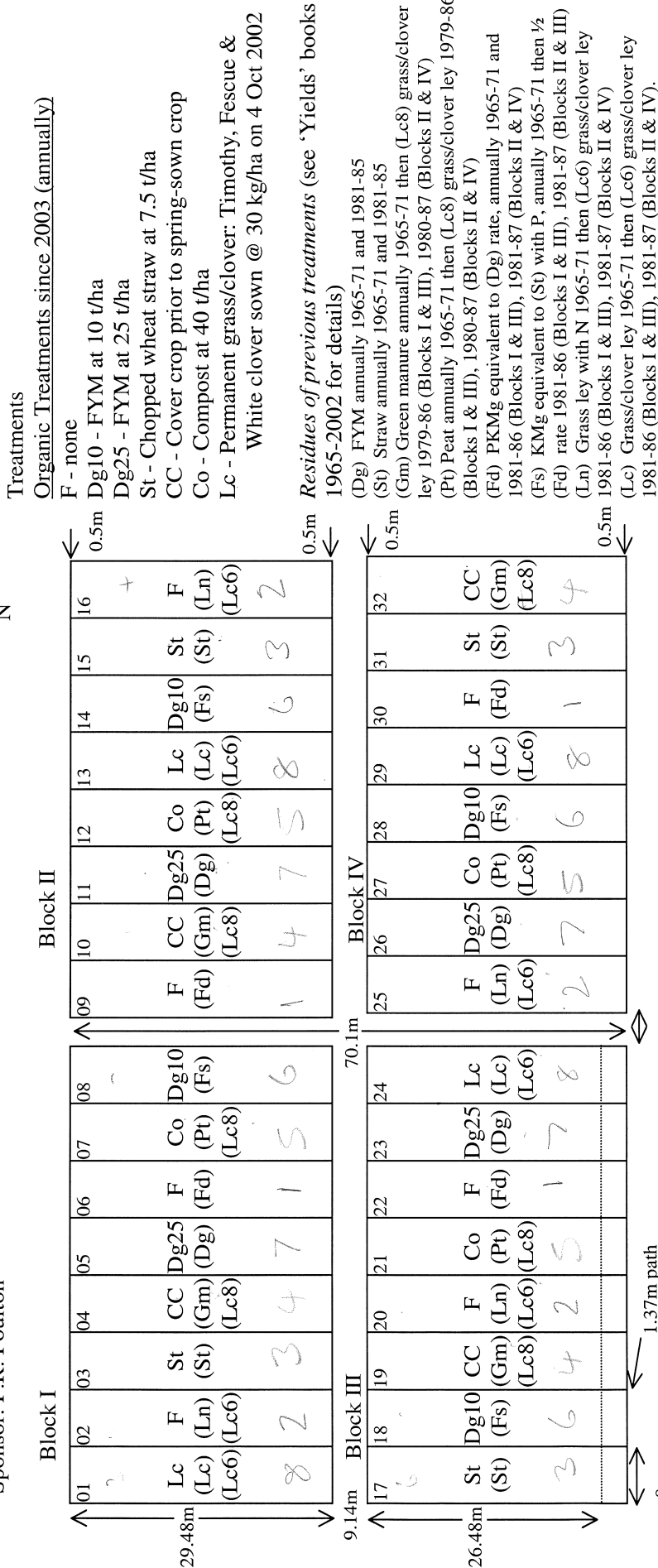
39th year

Stackyard B

Organic Manuring

03/W/RN/12

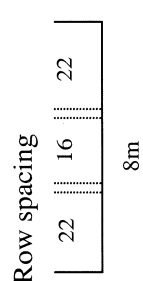
Sponsor: P.R. Poulton



BASAL PKS/ha (to be applied early spring)
 Basal P at 97.5 kg TSP (20 kg P) to all treatments except Dg25

Basal KS at 200 kg K₂SO₄ (83 kg K + 36 kg S) to all treatments except Dg25

Nitrogen for 2003, /ha
 120 kg to F & CC, 90 kg to St, 60 kg to Dg10, nothing to Dg25, Co & Lc applied early-mid April



Variety // Combine cut from whole 29.48m (26.48 on Block III) plot length
 Rye - Picasso Blend // Straw yields required; straw baled and removed
 tr, Baytan @ 98 kg/ha // From 1999 Block III has 3m at the NE end on 9 Oct 2002 discarded before combining following severe erosion in winter 1998/99

D.P. Yeoman 7.11.02

Sponsor: P.R. Poulton



TREATMENTS
Organic Treatments since 2003

- F - none
- Dg10 - FYM at 10 t/ha/yr
- Dg25 - FYM at 25 t/ha/yr
- St - Chopped wheat straw at 7.5 t/ha/yr
- CC - Cover crop (white mustard) prior to spring-sown crop
- Co - Compost at 40 t/ha/yr
- Lc - Permanent grass/clover: Timothy, Fescue & white clover sown @ 30 kg/ha on 4 Oct 2002
- Residues of previous treatments (see 'Yields' books 1965-2002 for details)*
- (Dg) FYM annually 1965-71 and 1981-85
- (St) Straw annually 1965-71 and 1981-85
- (Gm) Green manure annually 1965-71 then (Lc8) grass/clover ley 1979-86 (Blocks I & III), 1980-87 (Blocks II & IV)
- (Pt) Peat annually 1965-71 then (Lc8) grass/clover ley 1979-86 (Blocks I & III), 1980-87 (Blocks II & IV)
- (Fd) PKMg equivalent to (Dg) rate, annually 1965-71 and 1981-86 (Blocks I & III), 1981-87 (Blocks II & IV)
- (Fs) KMg equivalent to (St) with P, annually 1965-71 then 1/2 (Fd) rate 1981-86 (Blocks I & III), 1981-87 (Blocks II & III)
- (Ln) Grass ley with N 1965-71 then (Lc6) grass/clover ley 1981-86 (Blocks I & III), 1981-87 (Blocks II & IV)
- (Lc) Grass/clover ley 1965-71 then (Lc6) grass/clover ley 1981-86 (Blocks I & III), 1981-87 (Blocks II & IV).

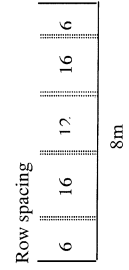
152.1m															
73.61m					Block 2										
1.37m path					4.88m discard										
Block 1					Block 2										
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
Lc	F	St	GC	Dg25	F	Co	Dg10	F	CC	Dg25	Go	Lc	Dg10	St	F
(Lc) (Lc6)	(Ln) (Lc6)	(St) (Lc8)	(Gm) (Lc8)	(Dg) (Lc8)	(Fd) (Lc8)	(Pt) (Lc8)	(Fs) (Lc8)	(Fd) (Lc8)	(Gm) (Lc8)	(Dg) (Lc8)	(Pt) (Lc8)	(Lc) (Lc6)	(Fs) (Lc6)	(St) (Lc6)	(Ln) (Lc6)
N1 N3	N0 N1	N2 N3	N1 N2	N0 N1	N3 N4	N2 N3	N4 N5	N3 N4	N1 N2	N4 N5	N0 N1	N2 N3	N4 N5	N0 N1	N2 N3
N0 N2	N1 N3	N2 N4	N3 N5	N4 N0	N3 N4	N2 N3	N1 N2	N5 N3	N2 N3	N4 N1	N0 N4	N1 N3	N2 N3	N3 N5	N1 N4

9.14m															
Block 3					Block 4										
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
St	Dg10	GC	F	Co	F	Dg25	Lc	F	Dg25	Go	Dg10	Lc	F	St	GC
(St) (Lc6)	(Fs) (Lc6)	(Gm) (Lc8)	(Ln) (Lc6)	(Pt) (Lc8)	(Fd) (Lc8)	(Dg) (Lc6)	(Lc) (Lc6)	(Ln) (Lc6)	(Dg) (Lc8)	(Pt) (Lc8)	(Fs) (Lc8)	(Lc) (Lc6)	(Fd) (Lc6)	(St) (Lc6)	(Gm) (Lc8)
N3 N1	N0 N5	N1 N0	N0 N3	N0 N4	N1 N4	N5 N4	N4 N5	N2 N0	N2 N0	N5 N3	N1 N3	N2 N3	N2 N5	N3 N0	N1 N2
N4 N2	N1 N2	N3 N5	N2 N1	N2 N5	N0 N2	N2 N1	N3 N0	N4 N1	N5 N1	N0 N4	N0 N5	N4 N3	N4 N3	N4 N2	N0 N4
N5 N0	N3 N4	N4 N2	N5 N4	N3 N1	N5 N3	N3 N0	N4 N3	N5 N3	N4 N3	N1 N2	N2 N4	N0 N1	N0 N1	N5 N1	N3 N5

VARIETY

S. Barley, Optic tr. Sibutol @ 400 s/m² 12 April 2004
 White mustard, Albatross @ 10 kg/ha on 14 Aug 2003

// Straw yields NOT required; straw baled and removed
 // From 1999 Block III has 3m discard at the NE end following severe erosion in winter 1998/99; sub-plots are therefore shorter



ROTATION

W. rye, s. barley, w. beans, w. wheat, f. maize