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ROTHAMSTED
RESEARCH

Collection of Plans for the Woburn Organic Manuring Experiment

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W/RN/12 - Woburn Organic Manuring 1995 - 1999

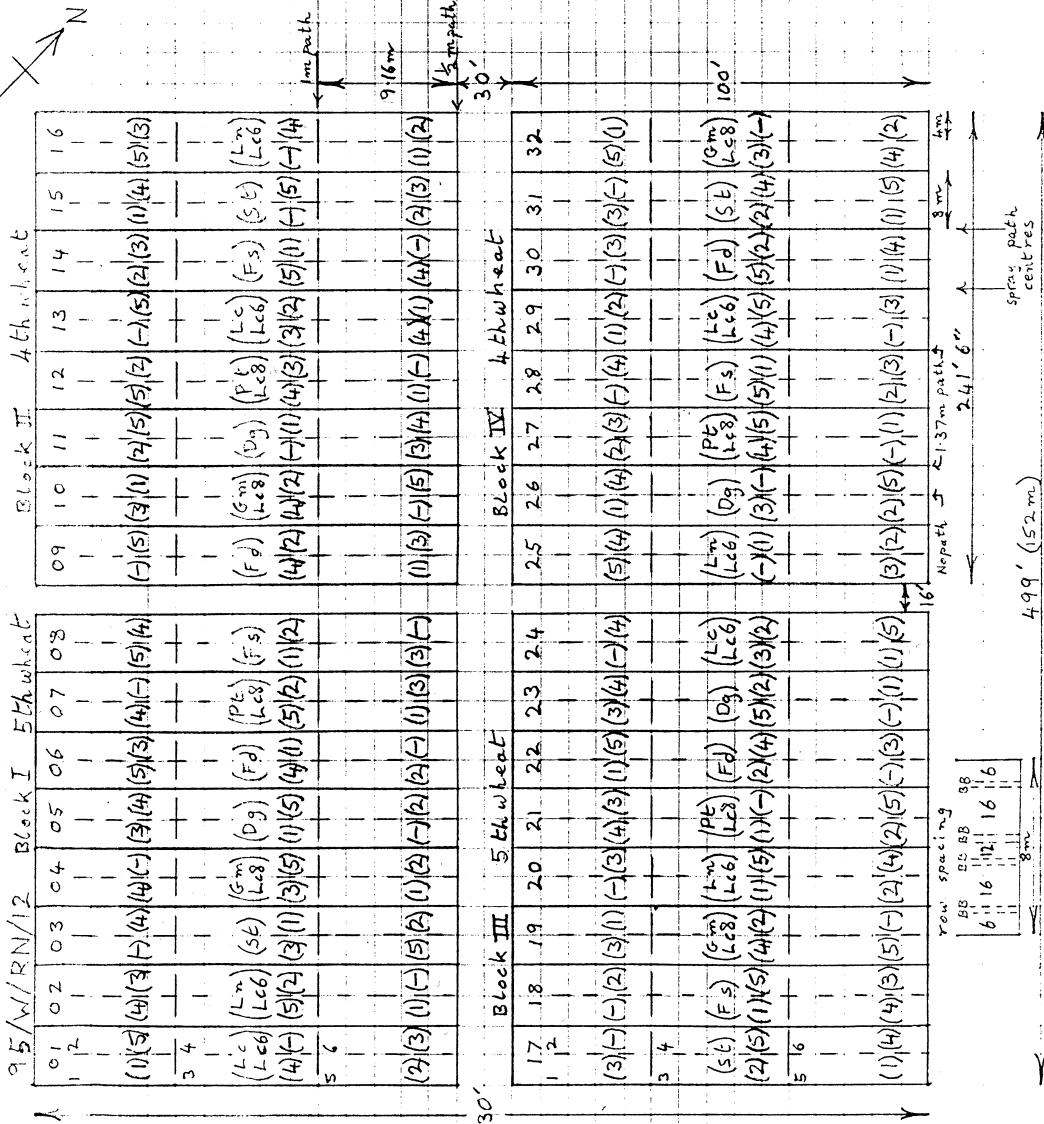
Rothamsted Research

Rothamsted Research (1966-1988) *W/RN/12 - Woburn Organic Manuring 1995 - 1999* ; Collection Of Plans For The Woburn Organic Manuring Experiment, pp 30 - 34

WOBURN W. Wheat
 31st year STACKYARD 3 1995
 Sponsor: P. R. Poulton

ORGANIC MANURING EXPERIMENT

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TREATMENTS
 Residues of organic manures
 (Dg) FYM annually 1965-71 and 1981-85.
 (St) Straw annually 1965-71 and 1981-85.
 (Gm) Green manure annually 1965-71 then (Lc8) Ley (clover/grass) 1979-86 (Blks I-III) 1980-87 (Blks II-IV) (Pt) Peat annually 1985-71 then (Lc8) 1979-86 (Blks I-III) 1980-87 (Blks II-IV)

Residues of Fertilizers
 (Fd) P K Mg Equivalent to (Dg) rate, annually 1965-71 & 1981-86 (Blks I-III) 7 (Blks II-IV)
 (Fs) K Mg Equivalent to straw with P annually 1965-71 then
 (Pt) Dg rate 1981-6 (Blks II-IV) 7 (Blks I-III)
 (Lc) clover/grass ley 1965-71 then (Lc6) 1981-86 (Blks I-III) 7 (Blks II-IV) - clover/grass ley
 (Lm) Grama ley with N

Subplot Residual nitrogen treatments
 (-) (1) (2) (3) (4) (5) 0, 50, 100, 150, 200, 250 Kg N ha⁻¹

BASAL MANURE
 P K None this year
 Mm foliar spray @ SFP in spring
 N at 100 Kg N

VARIETY
 Mercia dressed Rappot @ 300 seeds/m² on 7 Oct 1994

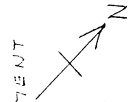
SUB PLOT AREA
 14' x 30' = 0.039 ha
 Harvested area = 2m x 9.16m = 0.00183 ha

32nd year STACKYARD 2 1996
 Sponsor: P. R. Poulton

WOBURN ORGANIC MANURING EXPERIMENT

W. Wheat

3.6 W/RN/12



Block I 6th wheat

01	02	03	04	05	06	07	08
(1)(5)	(4)(3)	(4)(4)	(4)(-)	(3)(4)	(5)(3)	(4)(-)	(5)(4)
(Lc)	(Lm)	(Sc)	(Gm)	(Dg)	(Fd)	(Lc)	(Fs)
(4)(-)	(5)(2)	(3)(1)	(3)(5)	(1)(5)	(4)(1)	(5)(2)	(1)(2)
(2)(3)	(1)(-)	(5)(2)	(1)(2)	(-)(2)	(2)(-)	(1)(3)	(3)(-)

Block II 5th wheat

09	10	11	12	13	14	15	16
(-)(5)	(2)(1)	(2)(5)	(5)(-)	(-)(5)	(-)(3)	(1)(4)	(5)(3)
(Fd)	(Gm)	(Dg)	(Lc)	(Lc)	(Fs)	(S)	(Lc)
(4)(2)	(4)(2)	(-)(1)	(4)(3)	(3)(2)	(5)(1)	(-)(5)	(-)(4)
(1)(3)	(-)(5)	(3)(4)	(1)(-)	(4)(1)	(-)(2)	(3)(1)	(2)

Block III 6th wheat

17	18	19	20	21	22	23	24
(3)(-)	(-)(2)	(3)(1)	(-)(3)	(4)(3)	(1)(5)	(3)(4)	(-)(4)
(S)	(F)	(Lc)	(Lm)	(Pt)	(Lc)	(Dg)	(Lc)
(2)(-)	(1)(5)	(4)(2)	(1)(5)	(1)(-)	(2)(4)	(5)(3)	(3)(2)
(1)(4)	(4)(3)	(5)(-)	(2)(4)	(2)(5)	(-)(3)	(-)(1)	(1)(5)

Block IV 5th wheat

25	26	27	28	29	30	31	32
(5)(4)	(1)(4)	(2)(3)	(-)(4)	(1)(2)	(-)(3)	(3)(-)	(5)(1)
(Lc)	(Dg)	(Pt)	(Lc)	(Lc)	(Fd)	(S)	(Gm)
(-)(1)	(3)(-)	(4)(5)	(5)(1)	(4)(5)	(5)(2)	(2)(4)	(3)(-)
(3)(2)	(2)(5)	(-)(1)	(2)(3)	(-)(3)	(1)(4)	(1)(5)	(4)(2)

TREATMENTS

Residues of organic manures

- (Dg) F/M annually 1965-71 and 1981-85
 - (St) Straw annually 1965-71 and 1981-85
 - (Gm) Green manure annually 1965-71 then (Lc8) 1y (clover/grass) 1977-86 (Blks I+III) 1980-87 (Blks II+IV)
 - (Pt) Peat annually 1965-71 then (Lc8) 1977-86 (Blks I+III) 1980-87 (Blks II+IV)
- Residues of Fertilizers
- (Fd) P K Mg Equivalent to (Dg) rate, annually 1965-71 & 1981-6 (Blks I+III) 7 (Blks II+IV)
 - (Fs) K Mg Equivalent to straw with P annually 1965-71 then 1/2 Dg rate 1981-6 (Blks II+IV) 7 (Blks I+III)
- Lays: (Lc) clover/grass ley 1965-71 then (Lc6) 1981-6 (Blks I+III) 7 (Blks II+IV) - clover/grass ley
 (Lm) Great ley with N

Subplot Residual nitrogen treatments
 (-) (1)(2)(3)(4)(5) 0, 50, 100, 150, 200, 250 kg N ha⁻¹

BASAL MANURE

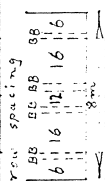
- P & K None this year
- Mn foliar spray @ SFP in spring
- N at 100 kg N

VARIETY

Mercia dressed Sibutol @ 375 seeds/m² on 3 Oct 95

SUB PLOT AREA

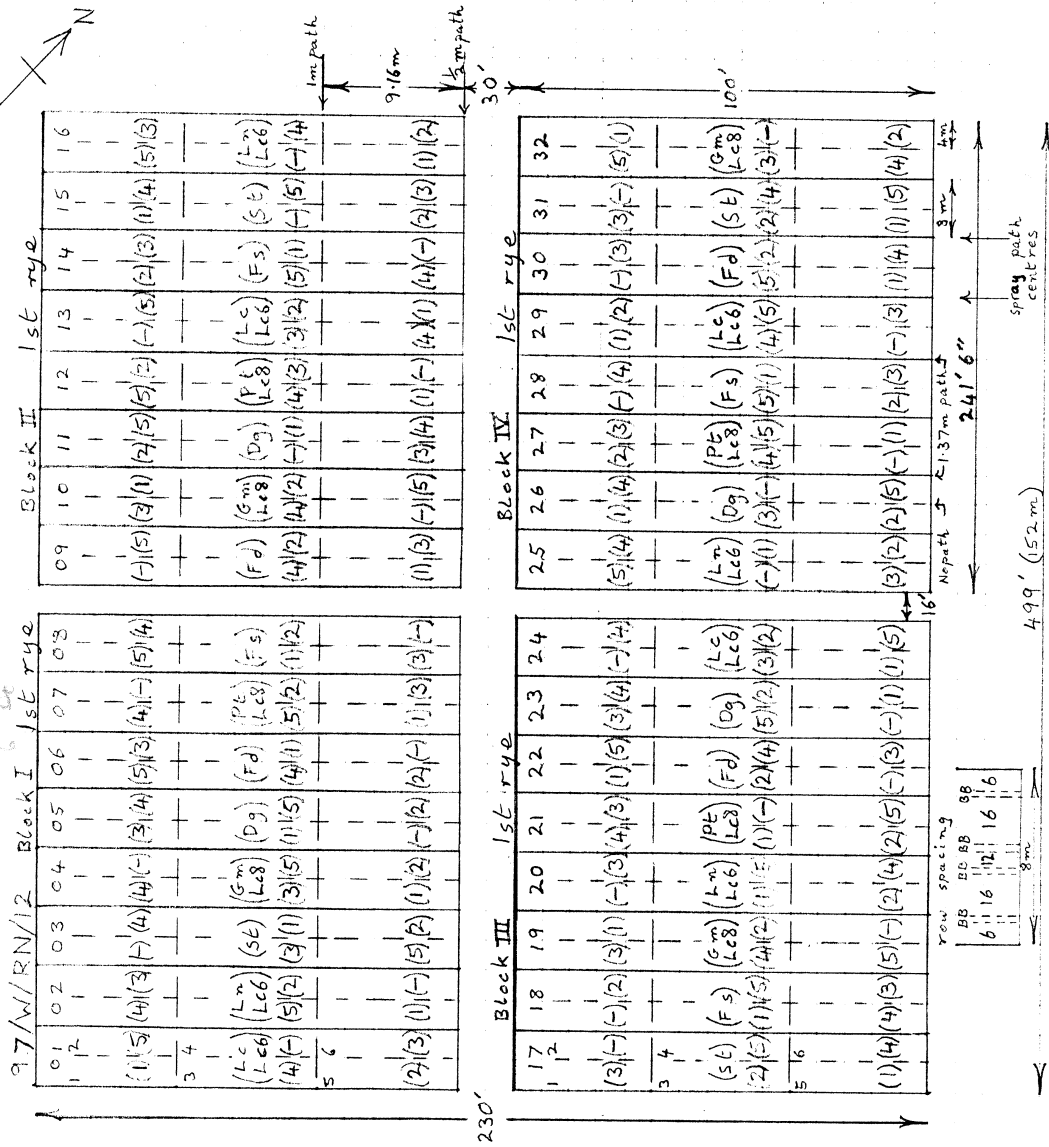
14' x 36' = 0.039 ha.
 harvested area: 2m x 9.16m = 0.0182 ha



33rd year STACKYARD B 1997
 Sponsor: P. R. Poulton

ORGANIC MANURING EXPERIMENT

Woburn W Rye



TREATMENTS

- Residues of organic manures
 (Dg) FYM annually 1965-71 and 1981-85
 (St) Straw annually 1965-71 and 1981-85
 (Gm) Green manure annually 1965-71 then (Lc8) ley
 (Pc) Peat annually 1965-71 then (Lc8) 1979-86 (BkIs I-III) 1980-87 (BkIs II > IV)
 Residues of Fertilizers
 (Fd) P K Mg Equivalent to (Dg) rate, annually 1965-71 & 1981-86 (BkIs I-III) 7 (BkIs II > IV)
 (Fs) K Mg Equivalent to straw with P annually 1965-71 then
 1/2 Dg rate 1981-86 (BkIs II > IV) 7 (BkIs I-III)
 Lays: (Lc) clover/grass ley 1965-71 then (Lc6) 1981-86 (BkIs I-III) 7 (BkIs II > IV) -
 (Lm) Grass ley with N - clover/grass ley

Subplot Residual nitrogen treatments last applied 1994
 (-), (1), (2), (3), (4), (5) 0, 50, 100, 150, 200, 250. kg N ha⁻¹

BASAL MANURE
 P & K (0:20:32) @ 500 kg ha⁻¹
 No nitrogen

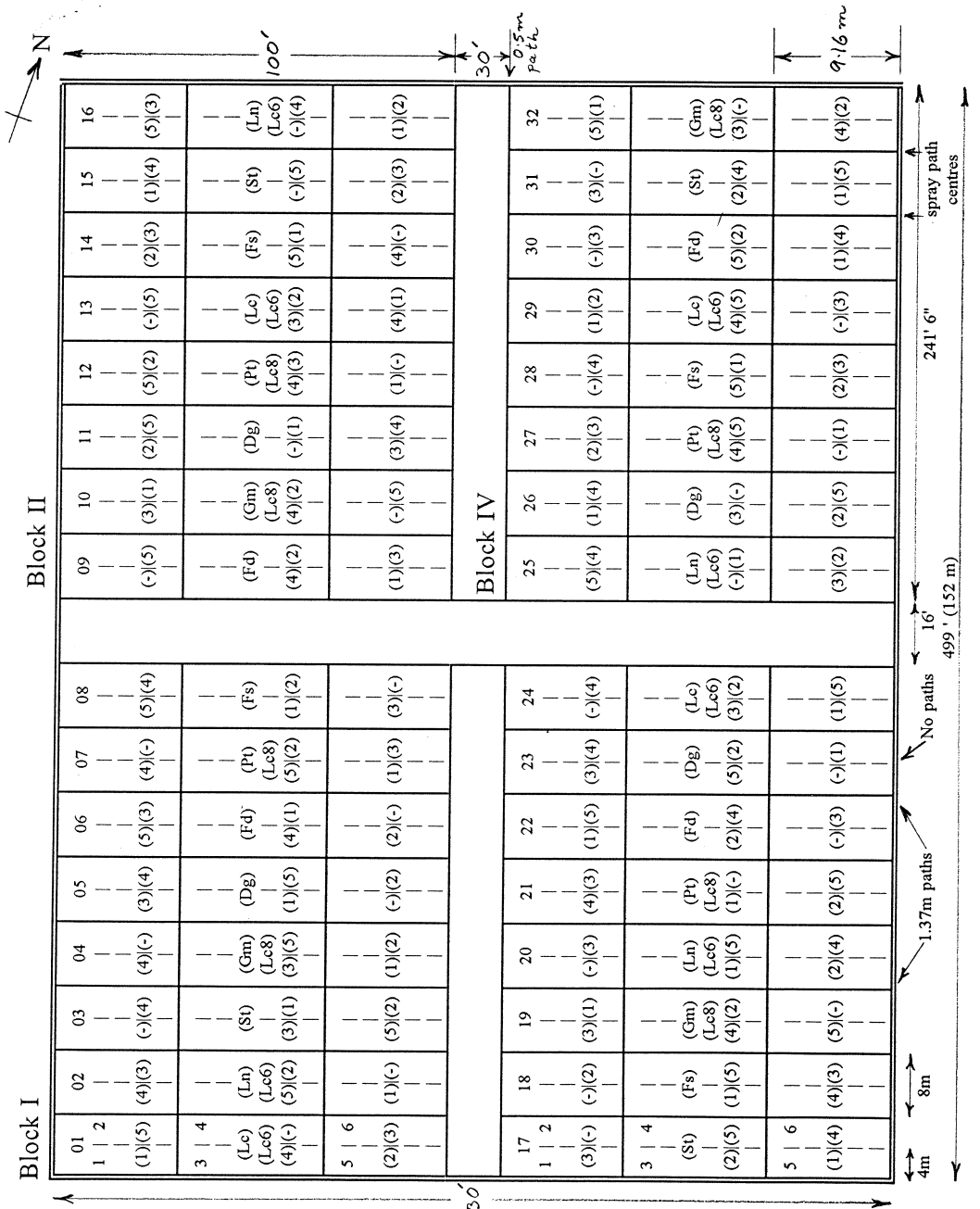
VARIETY
 Amando dressed Bataun @ 400 seeds/m² on 10 Oct 1996

SUB-PLOT AREA
 14' x 30' = 0.039 ha.
 harvested area = 2m x 9.16m = 0.00183 ha

Straw yields from (Fd) and (Dg) treatments

W. wheat

Sponsor P.R. Poulton



W. wheat

Sponsor P.R. Poulton

