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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

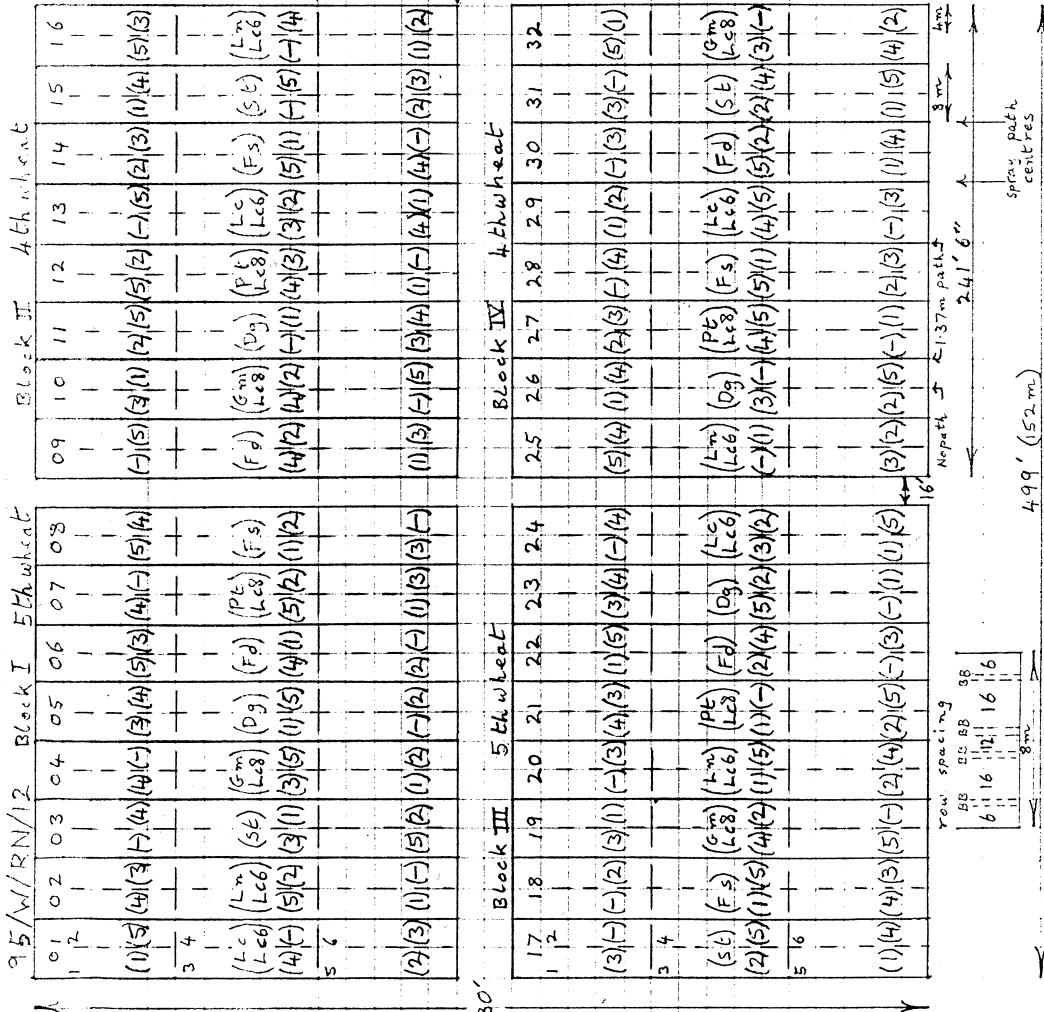
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WOBURN W. Wheat
 9.5/W/RN/12

ORGANIC MANURING EXPERIMENT

31st year STACKYARD 3 1995

Sponsor: P. R. Poulton



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 1965-71 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

1/2 Dg rate 1981-86 (Blks II-IV) 7 (Blks I-III)

Leys: (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

Mn 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 STACKEYARD 2 1996
 Sponsor: P. R. Poulton

WOBURN W. Wheat

3.6 W/RN/12 Block I 6 H. wheat

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

Block II 5 H. wheat

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

Block III 6 H. wheat

17	18	19	20	21	22	23	24
(3)(1)	(1)(2)	(3)(1)	(1)(3)	(4)(3)	(1)(5)	(3)(4)	(1)(4)
(Sc)	(Fs)	(Lc)	(Lm)	(Pt)	(Lc)	(Dg)	(Lc)
(2)(1)	(1)(4)	(2)(2)	(1)(5)	(1)(1)	(2)(4)	(5)(3)	(3)(2)
(1)(4)	(4)(3)	(5)(1)	(2)(4)	(2)(5)	(1)(3)	(1)(1)	(1)(5)

Block IV 5 H. wheat

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



ORGANIC MANURING EXPERIMENT



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 with N
 (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

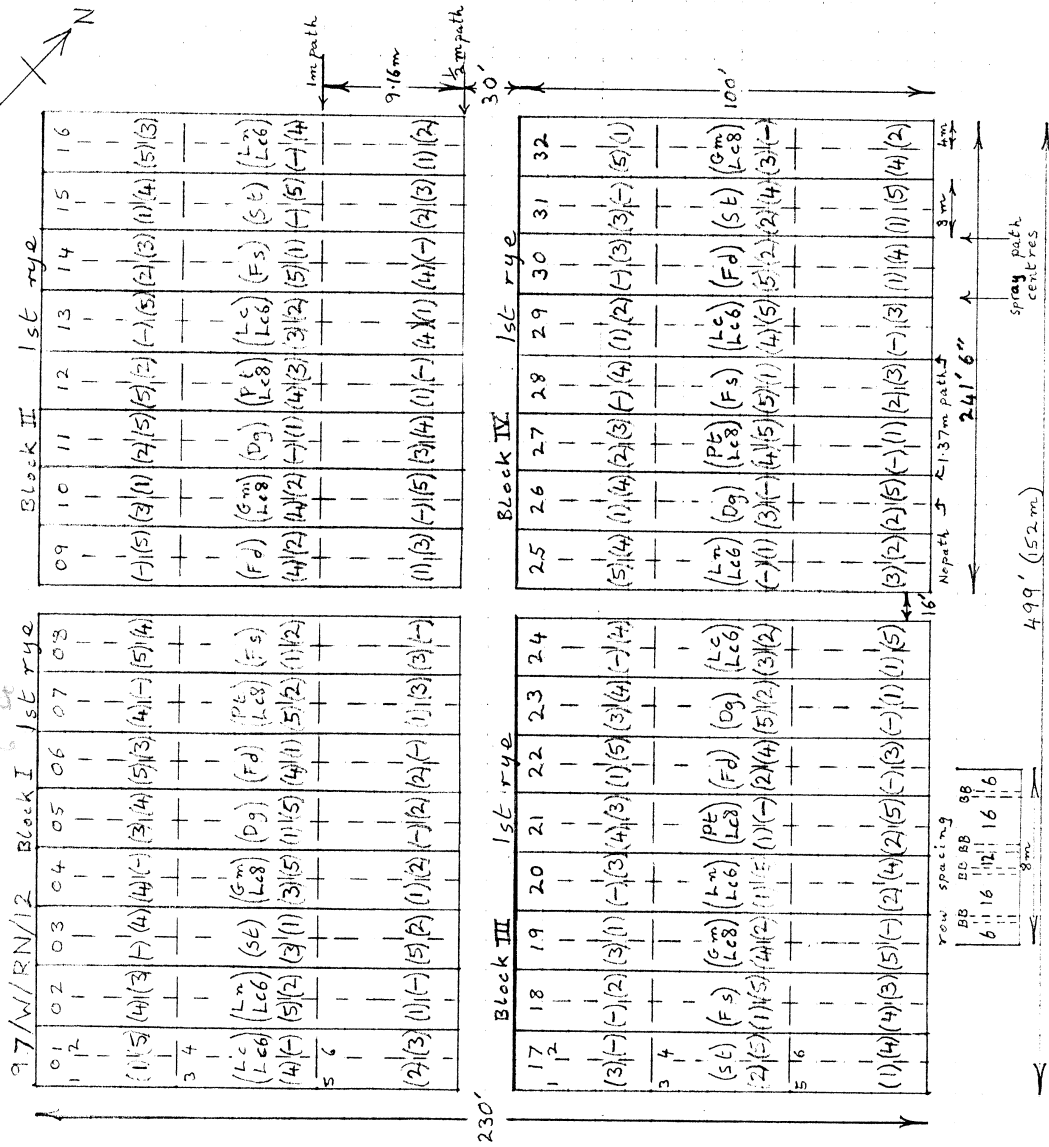
SUB PLOT AREA

14' x 36' = 0.039 ha.
 harvested area = 2m x 9.16m = 0.02012 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
 (clover/grass) 1979-86 (Blks I & III) 1980-87 (Blks II & IV)
 (Pt) Peat annually 1965-71 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
 1/2 Dg rate 1981-86 (Blks II & IV) 7 (Blks I & III)
 Lays: (Lc) clover/grass ley 1965-71 then (Lc6) 1981-86 (Blks I & III) 7 (Blks 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

