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Numerical Results of the Field Experiments 1968

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68/A/9 Saxmundham Rotation I

Rothamsted Research

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68/A/9.1

SAXMUNDHAM

ROTATION I 1968

(SA)

For history, treatments, rotations etc. see Rothamsted Report for 1964, pp. 228 - 232 and 'Results' 66/A/10. For previous years' results see 'Results' 64/A/10, 65/A/10, 66/A/10, 67/A/9.

Area harvested:

New treatments, Sugar beet: 0.0072
Barley: 0.0257
Beans and
wheat: 0.0230
Old treatments, Sugar beet: 0.0017
Barley, beans
and wheat: 0.0014

In 1968 nitrogen was applied to sugar beet, barley and wheat at 1.0 cwt N in spring to all fertiliser plots receiving N. On the N2 plots this dressing was followed by a top-dressing of 0.5 cwt N (based on the needs of the crops as indicated by tissue-analysis). Nitrogen applications to beans and to FYM plots were unaltered.

Cultivations, etc.:

Sugar beet: FYM applied: 7 Sept, 1967. Ploughed: 7 and 18 Sept. Bonemeal applied: 5 Mar, 1968. P and K applied: 14 Mar. 'Nitro-Chalk' applied: 20 Mar. Seed drilled: 27 Mar. Sprayed with pyramin at 2.2 lb in 33 gals: 2 Apr. Singled: 20 May. Sprayed with DDT at 9 oz in 18 gals: 23 May. Additional 'Nitro-Chalk' applied to N2 plots: 25 July. Lifted: 24 Sept - 1 Oct. Variety: Klein E.
Barley: FYM applied, all plots ploughed: 7 Sept, 1967. Bonemeal applied: 5 Mar, 1968. P and K applied: 6 Mar. Seed drilled: 12 Mar. 'Nitro-Chalk' applied: 20 Mar. Sprayed with mecoprop at 27 oz and 2,4-D at 6.75 oz in 18 gals: 3 May. Additional 'Nitro-Chalk' applied to N2 plots: 28 May. Combine harvested: 22 Aug. Variety: Zephyr.
Spring beans: FYM applied: 7 Sept, 1967. Ploughed: 7 - 11 Sept. Bonemeal applied: 5 Mar, 1968. P and K applied: 6 Mar. Seed drilled: 8 Mar. 'Nitro-Chalk' applied: 20 Mar. Sprayed with simazine at 1 lb in 33 gals: 21 Mar. Combine harvested: 9 Sept. Variety: Maris Bead.

68/A/9.2

Winter wheat: FYM applied: 7 Sept, 1967. Ploughed: 7 - 9 Sept.
Bonemeal applied: 16 Sept. P and K applied: 5 Oct. Seed drilled:
9 Oct. 'Nitro-Chalk' applied: 20 Mar, 1968. Sprayed with
mecoprop at 32.5 oz and 2,4-D at 8 oz in 18 gals: 18 Apr.
Additional 'Nitro-Chalk' applied to N2 plots: 15 May.
Combine harvested: 22 Aug. Variety: Cappelle.

68/A/10

SAXMUNDHAM

ROTATION II 1968

(SB)

For history, treatments, rotations, etc. see Rothamsted Report for 1964, pp. 228 - 232 and 'Results' 66/A/11. For previous years' results see 'Results' 64/A/11, 65/A/11, 66/A/11, 67/A/10.

Area of each plot: 0.0273. Area harvested: 0.0149.

Barley was grown over the whole area. No treatments (phosphate or FYM) were applied.

Basal manuring: 3 cwt (25:0:16).

Cultivations, etc.:- Ploughed: 16 - 23 Oct, 1967. Basal NK compound applied: 6 Mar, 1968. Seed drilled: 11 Mar. Sprayed with mecoprop at 36 oz and 2,4-D at 9 oz in 32 gals: 3 May. Combine harvested: 14 Aug. Variety: Zephyr.

SUMMARY OF RESULTS

BARLEY

Plot	Treatment 1966 and 67	GRAIN	STRAW
1	PO	24.2	12.3
2	PO	29.7	15.8
3	PO	34.3	24.2
4	D	32.0	22.2
5	DP1	31.1	23.7
6	P1	31.4	21.5
7	P2	32.7	21.2
8	PO	32.2	21.9
Mean		31.0	20.4

Mean D.M. %: Grain: 84.6
 Straw: 84.6

UNITED STATES

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

REPORT

The following report was prepared by the Bureau of Land Management, Department of the Interior, under the terms of a contract with the Bureau of Reclamation, Department of the Interior, for the purpose of determining the feasibility of... (The text is extremely faint and largely illegible due to the quality of the scan.)

STATEMENT OF WORK

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