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Numerical Results of the Field Experiments 1968

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68/A/9 Saxmundham Rotation I

Rothamsted Research

Rothamsted Research (1970) *68/A/9 Saxmundham Rotation I* ; Numerical Results Of The Field Experiments 1968, pp 49 - 52 - DOI: <https://doi.org/10.23637/ERADOC-1-58>

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

Final Report of the Study of the Effects of the Proposed Project on the Fish and Wildlife Resources of the [Area Name] National Monument, [State].

The study was conducted from [Start Date] to [End Date] and was directed by [Name]. The study area covers approximately [Area Size] acres and includes [List Areas].

The purpose of the study was to determine the effects of the proposed project on the fish and wildlife resources of the study area. The study was conducted in accordance with the requirements of the National Environmental Policy Act (NEPA) and the National Monument Act.

The study was conducted in accordance with the following objectives:

- To determine the distribution and abundance of fish and wildlife resources in the study area.
- To determine the effects of the proposed project on the fish and wildlife resources of the study area.
- To determine the effects of the proposed project on the habitat of the fish and wildlife resources of the study area.

The study was conducted in accordance with the following methods:

- Field surveys of fish and wildlife resources.
- Interviews with local residents and landowners.
- Review of historical records and maps.

The results of the study are presented in the following sections:

- Description of the study area.
- Distribution and abundance of fish and wildlife resources.
- Effects of the proposed project on the fish and wildlife resources.
- Effects of the proposed project on the habitat of the fish and wildlife resources.

RESULTS OF STUDY

TABLE

Year	Location	Species	Abundance
1960-1969	[Location]	[Species]	[Abundance]
		[Species]	[Abundance]
		[Species]	[Abundance]
		[Species]	[Abundance]
		[Species]	[Abundance]
		[Species]	[Abundance]
		[Species]	[Abundance]
		[Species]	[Abundance]
		[Species]	[Abundance]
		[Species]	[Abundance]
1970-1979	[Location]	[Species]	[Abundance]

Prepared by [Name], [Title], [Agency].