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Yields of the Field Experiments 1975

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75/ R/WF/3 - Wheat and Fallow - Wheat

Rothamsted Research

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75/R/WF/3

WHEAT AND FALLOW

Object: To study the effects of fallowing for one or three years on unmanured winter wheat - Hoosfield.

The 120th year, winter wheat.

For previous years see 'Details' 1967, 68/A/3(t), 69-74/R/WF/3.

Whole plot dimensions: 9.61 x 52.1.

Treatments: Phase of fallowing cycle (up to 1975):-

| | | PLOT |
|--------|-----------------|---------|
| Plot 1 | W F W F F F W F | - |
| Plot 2 | F F F W F W F W | 2/FALL1 |
| Plot 3 | W F W F W F F F | - |
| Plot 4 | F W F F F W F W | 4/FALL1 |
| Plot 5 | F F W F W F W F | - |
| Plot 6 | F W F W F F F W | 6/FALL3 |
| Plot 7 | W F F F W F W F | - |
| Plot 8 | F W F W F W F F | - |

W = wheat, F = fallow.

Basal applications: Weedkiller: Ioxynil with mecoprop ('Actril C' at 7.0 l in 220 l).

Seed: Cappelle, dressed with dieldrin, sown at 200 kg.

Cultivations, etc.:-

Wheat plots: Ploughed: 28 Oct, 1974. Power harrowed, seed sown and harrowed in: 8 Nov. Weedkiller applied: 12 May, 1975. Combine harvested: 13 Aug.

Fallow plots: Ploughed: 28 Oct, 1974, 16 May, 1975 and 15 July. Springtine cultivated: 27 May.

75/R/WF/3

*** TABLES OF MEANS ***

GRAIN TONNES/HECTARE

| PLOT | 2/FALL1 | 4/FALL1 | 6/FALL3 | MEAN |
|------|---------|---------|---------|------|
| | 1.42 | 1.52 | 2.07 | 1.67 |

GRAIN MEAN DM% 86.5

STRAW TONNES/HECTARE

| PLOT | 2/FALL1 | 4/FALL1 | 6/FALL3 | MEAN |
|------|---------|---------|---------|------|
| | 0.57 | 0.44 | 0.51 | 0.51 |

STRAW MEAN DM% 94.4

PLOT AREA HARVESTED 0.01483