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83/R/WF/3 Wheat and Fallow - W. Wheat

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83/R/WF/3

WHEAT AND FALLOW

Object: To study the effects of fallowing on unmanured w. wheat -
Hoosfield.

The 128th year, w. wheat.

For previous years see 'Details' 1967, 1973 and 74-82/R/WF/3.

Whole plot dimensions: 9.60 x 211.

Treatments:

Each year there are two plots, one is sown to w. wheat, one is fallow; they alternate in successive years. The comparison of effects of three-year and one-year fallow, started in 1932, was made for the last time in 1982.

Standard applications:

Wheat plot: Weedkillers: Isoproturon at 2.1 kg and mecoprop, bromoxynil and ioxynil (as 'Brittox' at 3.5 l) in 250 l.

Seed: Flanders, dressed chlorfenvinphos, sown at 210 kg.

Cultivations, etc:-

Wheat plot: Ploughed: 7 Sept, 1982. Spring-tine cultivated: 29 Oct.
Heavy spring-tine cultivated, spring-tine cultivated, rotary harrowed, seed sown: 18 Jan, 1983. Weedkillers applied: 16 Apr.
Combine harvested: 10 Aug.

Fallow plot: Ploughed: 7 Sept, 1982. Heavy spring-tine cultivated: 25 May, 1983. Ploughed: 16 June. Spring-tine cultivated: 23 June.
Ploughed: 14 July. Spring-tine cultivated: 21 July.

GRAIN AND STRAW TONNES/HECTARE

| | | |
|---------------------|---------|-------|
| | GRAIN | STRAW |
| YIELD | 1.73 | 0.69 |
| MEAN DM% | 77.0 | 93.3 |
| PLOT AREA HARVESTED | 0.06009 | |