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Yields of the Field Experiments 2008

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Results of the
Classical and other
Long-term Experiments
2008

R/WF/3 Wheat and Fallow

Rothamsted Research

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08/R/WF/3

WHEAT AND FALLOW

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

The 153rd year, w. wheat.

For previous years see 'Details' 1967, 1973 and Yield Books for 74-07/R/WF/3.

Whole plot dimensions: 9 x 211

Treatments:

Two plots, one sown to w. wheat, one fallow; alternating in successive years.

Experimental Diary

| | | | Rate | Unit |
|-----------|---|---|--------|----------------------|
| 30-Sep-07 | p | Glyphosate 360 | 3.00 | l/200 l/ha |
| 10-Oct-07 | a | Plough/S | | |
| 22-Oct-07 | a | Combination drilled, Plot 1 | | |
| | s | Hereward tr redigo twin + deter, Plot 1 | 400.00 | seeds/m ² |
| 23-Oct-07 | a | Rolled | | |
| 30-Oct-07 | p | Huron | 5.00 | kg/ha |
| 2-Nov-07 | p | Liberator wheat plots | 0.60 | l/200 l/ha |
| | p | Alpha Trifluralin 48 EC wheat plot | 2.00 | l/200 l/ha |
| 17-Nov-07 | p | Stomp 400 SC | 3.30 | l/200 l/ha |
| | p | Arelon 500 | 2.00 | l/200 l/ha |
| | p | Hallmark with Zeon Technology | 50.00 | ml/200 l/ha |
| 8-May-08 | p | Deuce | 1.00 | l/150 l/ha |
| | p | Bravo 500 | 0.75 | l/150 l/ha |
| | p | Flexity | 0.20 | l/150 l/ha |
| | p | BASF 3C Chlormequat 720 | 1.00 | l/150 l/ha |
| 19-May-08 | p | Ally Max SX wheat | 42.00 | g/200 l/ha |
| | p | Starane 2 wheat | 0.75 | l/200 l/ha |
| 31-May-08 | p | Amistar Opti | 1.25 | l/200 l/ha |
| | p | Opus Team | 1.00 | l/200 l/ha |
| 2-Jun-08 | a | Power harrowed fallow | | |
| 16-Jun-08 | a | Mow / Rotavate paths | | |
| 14-Jul-08 | a | Flexitined fallow plot | | |
| 15-Jul-08 | a | Power harrowed fallow plot | | |
| 25-Jul-08 | a | Rogue wild oats/thistles/weeds | | |
| 27-Aug-08 | a | Combine harvest, plots for yield, swath straw Sample, bale and weigh straw | | |
| 30 Aug-08 | a | Baled | | |

Note: Unground grain and straw was archived.

GRAIN AND STRAW YIELDS TONNES/HECTARE

| | GRAIN | STRAW |
|---------------------|---------|-------|
| YIELD | 1.46 | 0.31 |
| MEAN DM% | 82.9 | 87.0 |
| PLOT AREA HARVESTED | 0.04431 | |