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# Yields of the Field Experiments 2012

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Results of the  
Classical and other  
Long-term Experiments  
2012

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## Conventions

### Rothamsted Research

Rothamsted Research (2013) *Conventions* ; Yields Of The Field Experiments 2012, pp 2 - 3 - DOI: <https://doi.org/10.23637/ERADOC-1-222>

## CONVENTIONS

For each experiment current treatments are shown with the factor and level names which are used in the tables.

For each experiment references are given to previous years. These refer to the '(Numerical) (Results)' previous editions of 'Yields of the Field Experiments'.

For the classical and some long-term experiments reference is made to 'Details' – separate publications, giving full descriptions of treatments until 1977 & 1973, with full titles 'Details of the Classical and Long Term Experiments up to 1977' and 'Details of the Classical and Long Term Experiments up to 1973'.

The following conventions are observed unless otherwise stated.

All areas are in hectares. All plot dimensions are in metres.

All rates of application of fertilizers, sprays etc. are per hectare.

All yields are per hectare.

For any other crop, details of abbreviations are given as necessary

## Fertilizers

27%N or 34.5% N means nitrogen as calcium ammonium nitrate or ammonium nitrate.

Anhydrous Sulphate of Soda

Chalk

Compost

Double Top                      27% nitrogen and 30% SO<sub>3</sub>

FYM                                Farmyard manure (from bullocks)

Headland Manganese 500        500 g/l 27.5% w/w manganese carbonate

Kieserite                          MgSO<sub>4</sub>H<sub>2</sub>O 17.7% magnesium and 23.3% sulphur

Maize Tops

Manganese sulphate              Mn<sub>2</sub> (SO<sub>4</sub>)<sub>3</sub> 27% manganese and 24% sulphur

Magnesium sulphate              MgSO<sub>4</sub> H<sub>2</sub>O 17.7% magnesium and 23.3% sulphur

Muriate of potash                60% K<sub>2</sub>O

Nitram                              34.5% N

Nitraprill                         34.5% N

Nitrate of soda                    NaNO<sub>3</sub> 16% nitrogen and 27% sodium

|                             |  |
|-----------------------------|--|
| Nitro-Chalk                 | Calcium Ammonium Nitrate 27% N   |
| Potassium sulphate          | 50% K <sub>2</sub> O and 18.4% sulphur                                   |
| Silicate of soda            | Na <sub>2</sub> SiO <sub>3</sub> 37% sodium and 23% silica               |
| Sodium Sulphate             | 99.9% SO <sub>4</sub>  |
| Sulphate of ammonia         | (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> 21% nitrogen 24% sulphur |
| Sulphate of potash          | K <sub>2</sub> SO <sub>4</sub> 50% K <sub>2</sub> O and 18.4% sulphur    |
| Triple superphosphate (TSP) | 47% P <sub>2</sub> O <sub>5</sub>  |

Cereal straw is removed unless otherwise stated.

GS: Growth Stage.

tm): Tank mix; two or more products applied together.

tr: means seed dressing

#### Machinery definitions as used in the diary.

|                 |  |
|-----------------|--|
| Accord          | Pneumatic drill with Suffolk coulters 12.5cm apart                     |
| Combine drilled | Drill mounted behind a rotary harrow.                                  |
| Dutch harrow    | Rigid tine harrow  |
| Flexitine       | Heavy spring-tine cultivator   |
| Nodet Gougis    | Pneumatic precision drill with variable spacing                        |
| Nordsten        | Drill with Suffolk coulters 12 cm apart                                |
| Oyjord          | Drill with Suffolk coulters 14.2 cm apart                              |
| Plough/N        | Furrow slice turned to the North (-/S = South, -/E = East, -/W = West) |
| Shakerator      | Deep tine cultivator with vibrating tines 60cm apart and 45 cm deep    |
| Subsoiler       | Deep tine cultivator with vibrating tines 60cm apart and 45 cm deep    |

Application code: This is used to identify the kind of application

a = application (cultivations, harvest, etc.), p = pesticide, f = fertilizer and s = seed.

#### Tables of means

The following abbreviations are used in variate headings:

Wheat, barley, oats, beans, lupins etc.

Grain: Grain (at 85% dry matter)

Straw: Straw (at 85% dry matter)

All crops

Mean DM%: Mean dry matter % as harvested

#### Standard errors

- NOTES:**
- (1) This report gives standard errors of differences, not of means.
  - (2) Annotations (e.g. \* min rep, max-min, max rep) to S.E.Ds are only explained the first time they occur in any experiment.