ROTHAMSTED RESEARCH

Yields of the Field Experiments 2003

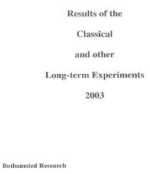

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Table of Contents and Conventions

Rothamsted Research

Rothamsted Research (2004) *Table of Contents and Conventions ;* Yields Of The Field Experiments 2003, pp 0 - 3 **- DOI: https://doi.org/10.23637/ERADOC-1-260**

List of Experiments in the 2003 Yield Book

R/BK/1	Broadbalk
R/HB/2	Hoos Barley
R/WF/3	Wheat and Fallow
R/EX/4	Exhaustion Land
R/PG/5	Park Grass
R/GC/8	Garden Clover
R/CS/326	Amounts of Straw
R/CS/477	Continuous Maize
W/RN/3	Ley Arable
W/RN/12	Organic Manuring
W/CS/326	Amounts of Straw
W/CS/478	Continuous Maize

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 ammonium nitrate

Epsom salts	$MgSO_4.7H_2O$ 10% magnesium and 13% sulphur
Fishmeal	approximately 6.5% nitrogen
FYM	Farmyard manure (from bullocks)
Gypsum	17.5% sulphur
Kieserite	$MgSO_4H_2O$ 17.7% magnesium and 23.3% sulphur
Manganese sulphate	$Mn_2(SO_4)_3$ 27% manganese and 24% sulphur
Muriate of potash	60% K_2O
Nitrate of soda	$NaNO_3$ 16% nitrogen and 27% sodium
Rhodoman	A seed dressing containing 500 g/l inorganic manganese
Silicate of soda	Na_2SiO_3 37% sodium and 23% silica
Sulphur Gold	30% nitrogen and 7.6% sulphur
Sulphate of ammonia	$(NH_4)_2SO_4$ 21% nitrogen 24% sulphur
Sulphate of potash	K_2SO_4 50% K_2O and 18.4% sulphur
Tiger 90	90% sulphur
Thiovit	80% sulphur
Triple superphosphate (TSP)	47% P_2O_5

Cereal straw is removed unless otherwise stated.

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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 12.5 cm 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.
Shakerator	Deep tine cultivator with vibrating tines 60 cm apart and 45 cm deep.
Subsoiler	Deep tine cultivator with vibrating tines 60 cm apart and 45 cm deep

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 D.M. %: 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.

PESTICIDES USED

The following list of pesticides is based on The UK Pesticides Guide, CAB International and The British Crop Protection Council. CABI Publishing

KEY TO ABBREVIATIONS

A	Acaricide	**Ad**	Adjuvant
D	Desiccant	**F**	Fungicide
GR	Growth regulator	**H**	Herbicide
I	Insecticide	**M**	Molluscicide
N	Nematicide		

TRADE NAME	FUNCTION	ACTIVE INGREDIENT
Acanto	**F**	250 g/l picoxystrobin
Ally	**H**	20% w/w metsulfuron-methyl
Amber	**Ad**	95% methylated vegetable oil
Amistar	**F**	250 g/l azoxystrobin
Ardent	**H**	40:400 g/l diflufenican + trifluralin
Aventis Manganse 500		500 g/l manganese
Barclay Mutiny	**H**	250 g/l bromoxynil
Baytan Flowable	**F**	22.5:187.5 g/l fuberidazole + triadimenol
Clayton Turret	**F**	500 g/l chlorothalonil
Crystal	**H**	360 g/l flufenacet + pendimethalin
Dursban 4	I	480 g/l chlorpyrifos
Egret	**H**	360 g/l glyphosate

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Gesaprim	**H**	500 g/l atrazine
Gesatop	**H**	500 g/l simazine
Hallmark with Zeon Technology	**I**	100 g/l lambda-cyhalothrin
Harmony M	**H**	75% metsulphuron-methyl + thifensulfuron-methly
Ice	**H**	360 g/l flufanacet + pendimethalin
Landmark	**F**	125:125 g/l epoxiconazole + kresoxim-methyl
Laser	**H**	200 g/l cycloxydim
Lentagran WP	**H**	45% w/w pyridate
Lexus Class WSB	**H**	33.3:16.7% w/w carfentrazone-ethyl + flupyrsulfuron-methyl
Lexus 50 DF	**H**	50% w/w flupyrsulfuron-methyl
Mixture B	**Ad**	1000 g/l nonyl phenol ethylene oxide condensate + primary alcohol ethylene oxide condensate
Mesurol	**M,I**	methiocarb seed treatment
Opera	**F**	50:133 g/l epoxyconazole + pyraclostrobin
Opus	**F**	125 g/l epoxiconazole
Oxytril CM	**H**	400 g/l bromoxynil + ioxynil
Phase II	**AD**	95% w/w esterified rapeseed oil
Quantum 75 DF	**H**	75% tribenuron-methyl
Raxil S	**F**	20:20 g/l tebuconazole + triazoxide
Setter 33	**H**	330 g/l benazolin + 2,4-DB + MCPA
Sibutol	**F**	375:23 g/l biteranol + fuberidazole
Sibutol Secur		140:8.6:87.5 g/l bitertanol + fuberidazole + imidacloprid
Starane 2	**H**	200 g/l fluroxypyr
Sting ECO	**H**	120 g/l glyphosate
Stomp 400 SC	**H**	400 g/l pendimethalin
Tolugan extra	**H**	600 g/l chlorotoluron + isoproturon
Topik	**H**	240 g/l clodinafop-propargyl
Touchdown	**H**	330 g/l glphosate
Twist	**F**	125 g/l trifloxystrobin
Unix	**F**	75% w/w cyprodinil

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