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ROTHAMSTED
RESEARCH

Yields of the Field Experiments 2014

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Results of the
Classical and other
Long-term Experiments
2014

Pesticides Used

Rothamsted Research

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T503	Tym	2.0 t	Fertiliser applications and Rotovating.
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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.

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

ad	Adjuvant	d	Desiccant	f	Fungicide
gr	Growth regulator	h	Herbicide	i	Insecticide
m	Molluscicide	n	Nematicide	tr	Trace elements

Trade Name	Function	Active ingredient
Absolute	h	diflufenican + flupyr-sulfuron-methyl (41.7:8.3% w/w)
Ally Max SX	h	metsulfuron-methyl + tribenuron-methyl (14.3:14.3 % w/w)
Amistar	f	azoxystrobin (250 g/l)
Artemis	f	fenpropidin + prochloraz + tebuconazole (150:200:150 g/l)
Atlantis	h	iodosulfuron-methyl-sodium + mesosulfuron-methyl (0.6:3.0 % w/w)
BASF 3C 720	gr	chlormequat (720 g/l)
BioPower	ad	6.7% w/w 3,6-dioxaeicosylsulphate sodium salt and 20.2% w/w 3,6-dioxaoctadecylsulphate sodium salt
Bravo 500	f	chlorothalonil (500 g/l)
Callisto	h	mesotrione (100 g/l)
Cello	f	prothioconazole + spiroxamine + tebuconazole (100:250:100 g/l)
Cortez	f	epoxiconazole (125 g/l)
Covershield	f	pyraclostrobin + kresoxim-methyl + epixiconazole (133:67:50 g/l)
Crystal	h	flufenacet + pendimethalin (60:300 g/l)
Cyflamid	f	cyflufenamid (50 g/l)
Defy	h	pro-sulfocarb (800 g/l)
Fezan	f	tebuconazole (250 g/l)
Firebrand	ad	ammonium sulphate (500 g/l)

Gallup 360	h	glyphosate (360 g/l)
Hallmark with zeon tech	i	lambda-cyhalothrin (100 g/l)
Hatchet xtra	h	fluroxypyr (200 g/l)
Hunter	h	florasulam + fluroxypyr (2.5:100 g/l)
Hurricane	h	diflufenican (500 g/l)
Intracrop Dictate	ad	91.0% w/w oil (rapeseed fatty acid esters)
Karan	i	methiocarb (3% w/w)
Keystone	f	epoxiconazole + isopyrazam (99:125 g/l)
Kingdom	f	boscalid + epoxiconazole (140:50 g/l)
Laser	h	cycloxydim (200 g/l)
Lexus Millenium	h	flupyrsulfuron-methyl + thifensulfuron-methyl (10/40% w/w)
Liberator	h	diflufenican + flufenacet (100:400 g/l)
MesuroI	i	methiocarb (500g/l)
Mobius	f	prothioconazole + trifloxystrobin (175:150 g/l)
Moddus	gr	trinexapac-ethyl (250 g/l)
New 5C Cycocel	gr	chlormequat
Nirvana	h	imazamox + pendimethalin (16.7:250 g/l)
Raxil star	f	fluopyram + prothioconazole + tebuconazole (20.8:103.1:63.2 g/l)
Redigo Deter	f	prothioconazole + clothiandin (50:250 g/l)
Refine Max	h	metsulfuron-methyl + thifensulfuron-methyl (6.7:33.3 w/w)
Samson Extra	h	nicosulfuron (60 g/l)
Samurai	h	glyphosate (360 g/l)
San 703	f	chlorothalonil + cyproconazole (375:40 g/l)
Sekator	h	amidosulfuron + iodosulfuron-methyl-sodium (5:1.25 % w/w)
Simba SX	h	metsulfuron-methyl (20 % w/w)
Sprinter-K	f	Foliar K fertilizer (2-4 ml/l)
Stomp 400 SC	h	pendimethalin (400 g/l)
TDS Major	m	metaldehyde (4% w/w)
Vortex	f	epoxiconazole + fluxapyroxad + pyraclostrobin (41.6:41.6:61 g/l)
Weedazole-TL	h	amitrole (225 g/l)
Zarado	ad	70% w/w oil (rapeseed oil fatty acid esters) as emulsifiable concentrate