



## APHID ALERT SUMMARY

This alert summarises up-to-date results from the Rothamsted/SASA suction-trap (ST) network and the FERA yellow water-pan trap (YWT) network. Further details of the ST results can be found below and further details of the YWT results can be found at [www.potato.org.uk/online-toolbox/aphid-monitoring](http://www.potato.org.uk/online-toolbox/aphid-monitoring).

**GENERAL** – Last week’s weather was warm and humid over most of the UK.

### POTATOES

Aphid monitoring in seed potatoes has stopped in all but two sites in Scotland. Peach–potato aphid (*Myzus persicae*) was caught at six suction-trap sites, overall numbers are up from last week. The potato aphid (*Macrosiphum euphorbiae*) was caught at six suction-trap sites, generally the accumulated numbers are below the 10-year mean. Further regional information on potato virus vectors can be accessed here: [www.potato.org.uk/online-toolbox/aphid-monitoring](http://www.potato.org.uk/online-toolbox/aphid-monitoring).

### FIELD BRASSICAS and LEAFY VEGETABLES

All aphids affecting field brassicas and leafy vegetables are low in ST.

### CARROTS and PARSNIPS

The numbers of willow–carrot aphid (*Cavariella aegopodii*) and parsnip aphids are low in ST.

### PEAS and BEANS

*Acyrtosiphon pisum* was caught at six ST sites. Overall numbers are down.

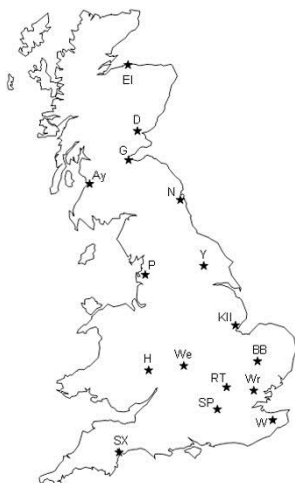
### CEREALS

Numbers of the three cereal aphid species remain stable across the UK this week.

### OILSEED RAPE

Some crops of early sown 2016/17 oilseed rape are now starting to emerge, but aphid numbers are very low and therefore the risk to emerging crops is low at present. There are reports of cabbage stem flea beetles on seedling OSR as far north as Lincolnshire.

# SUCTION-TRAPPING RESULTS



The information below relates to suction-trap samples collected during **Bulletin Week 24: 29/8 – 4/9**.

- Numbers of the three cereal aphid species remain stable across the UK this week.
- The peach–potato aphid (*Myzus persicae*) was caught at six sites. Overall numbers have increased this bulletin week.
- The willow–carrot aphid (*Cavariella aegopodii*) was caught in low numbers at two sites this week.
- Two currant-lettuce aphids (*Nasonovia ribisnigri*) were caught at Wellesbourne.
- Parsnip aphids (*Cavariella pastinaceae*) were caught at: RT3, Wr1, SX1, *Cavariella theobaldi* at: BB1, Wr2, W4 and SX1).
- The black bean aphid was caught at eight sites with highest numbers at Edinburgh (9).
- The pea aphid was caught at 11 sites. Numbers were mostly lower this bulletin week.

\*' indicates where totals have been corrected proportionally to seven days, fewer days' samples having been processed.

## Rose–grain aphid (*Metopolophium dirhodum*)

Rose–grain aphid ( <i>Metopolophium dirhodum</i> )	Bulletin Week Totals		29/08-04/09		Accumulated until		04/09
	2016	Compared to last Bulletin week	2015	10-year average 2006-15	2016	2015	10-year average 2006-15
Dundee	*0	↓	/	1	68	/	5636
Gogarbank (Edinburgh)	0		1	0	38	119	639
Newcastle	*13		0	1	56	50	330
York	*0	↓	0	/	122	74	/
Preston	*0		0	0	78	71	375
Kirton	0	↓	0	0	188	195	1645
Broom's Barn (nr Bury St Edmunds)	0	↓	0	0	244	232	1219
Wellesbourne	0	↓	0	0	130	248	391
Hereford	8	↑	0	1	78	268	566
Rothamsted (Harpenden)	0	↓	0	0	115	205	639
Writtle	0		0	0	128	113	670
Silwood Park (nr Ascot)	*0		0	0	24	110	167
Wye	*0		0	0	57	86	239
Starcross (nr Exeter)	*0		0	0	68	372	340

The rose–grain aphid was caught at two sites. Numbers reached double figures at Newcastle (13).

**Bird cherry–oat aphid (*Rhopalosiphum padi*)**

Bird cherry–oat aphid ( <i>Rhopalosiphum padi</i> )	Bulletin Week Totals		29/08-04/09		Accumulated until		04/09
	2016	Compared to last Bulletin week	2015	10-year average 2006-15	2016	2015	10-year average 2006-15
Dundee	*142	↑	/	145	1312	/	2540
Gogarbank (Edinburgh)	188	↑	17	118	698	55	1486
Newcastle	*96		21	147	493	60	751
York	*82	↓	50	/	652	184	/
Preston	*61	↑	187	125	319	306	463
Kirton	33	↓	14	22	651	164	1086
Broom's Barn (nr Bury St Edmunds)	20	↓	7	23	622	75	1004
Wellesbourne	65	↓	11	69	922	72	540
Hereford	145	↓	12	67	1466	140	713
Rothamsted (Harpenden)	32	↓	7	21	606	68	619
Writtle	31	↓	14	18	865	101	638
Silwood Park (nr Ascot)	*53	↓	2	20	424	41	329
Wye	*60	↑	12	11	682	89	401
Starcross (nr Exeter)	*15	↓	21	47	1859	154	761

The bird cherry–oat aphid was caught at all sites this bulletin week. Numbers were down on last week's bulletin at all sites except Dundee, Gogarbank, Preston and Wye.

**Grain aphid (*Sitobion avenae*)**

Grain aphid ( <i>Sitobion avenae</i> )	Bulletin Week Totals		29/08-04/09		Accumulated until		04/09
	2016	Compared to last Bulletin week	2015	10-year average 2006-15	2016	2015	10-year average 2006-15
Dundee	*21	↑	/	8	149	/	1517
Gogarbank (Edinburgh)	8	↓	9	5	94	172	588
Newcastle	*23		7	7	88	87	285
York	*0	↓	1	/	297	428	/
Preston	*0	↓	8	3	110	113	368
Kirton	3	↓	0	2	112	52	1526
Broom's Barn (nr Bury St Edmunds)	2	↑	0	1	83	66	1101
Wellesbourne	6	↓	0	4	170	87	982
Hereford	25	↓	0	4	334	264	876
Rothamsted (Harpenden)	3	↓	0	2	108	82	1122
Writtle	2	↓	0	2	138	67	1129
Silwood Park (nr Ascot)	*0		0	0	48	84	581
Wye	*12	↑	1	1	134	42	710
Starcross (nr Exeter)	*2		0	1	163	395	710

The grain aphid was caught at 11 sites. The total number caught has decreased this bulletin week.

**Peach–potato aphid (*Myzus persicae*)**

Peach–potato aphid ( <i>Myzus persicae</i> )	Bulletin Week Totals		29/08-04/09		Accumulated until		04/09
	2016	Compared to last Bulletin week	2015	10-year average 2006-15	2016	2015	10-year average 2006-15
Dundee	*2	↓	/	3	33	/	37
Gogarbank (Edinburgh)	0	↓	0	0	21	34	16
Newcastle	*0		1	1	21	46	26
York	*0		0	/	261	381	/
Preston	*5	↑	1	1	118	158	131
Kirton	4	↑	4	2	205	2647	736
Broom’s Barn (nr Bury St Edmunds)	0		0	1	376	2488	931
Wellesbourne	0		0	1	1655	1276	524
Hereford	0		0	1	495	710	204
Rothamsted (Harpenden)	0		0	0	301	1015	510
Writtle	0		0	0	431	1453	832
Silwood Park (nr Ascot)	*0		0	0	33	138	70
Wye	*1	↑	0	0	67	647	274
Starcross (nr Exeter)	*2	↑	0	1	55	760	182

The peach–potato aphid was caught at six sites. Overall numbers have increased this bulletin week.

**Potato aphid (*Macrosiphum euphorbiae*)**

Potato aphid ( <i>Macrosiphum euphorbiae</i> )	Bulletin Week Totals		29/08-04/09		Accumulated until		04/09
	2016	Compared to last Bulletin week	2015	10-year average 2006-15	2016	2015	10-year average 2006-15
Dundee	*2	↑	/	0	20	/	75
Gogarbank (Edinburgh)	0		0	0	18	16	69
Newcastle	*0		0	1	3	15	27
York	*0		0	/	12	24	/
Preston	*0	↓	0	0	37	33	34
Kirton	1	↑	0	0	16	67	72
Broom’s Barn (nr Bury St Edmunds)	0	↓	0	0	10	19	45
Wellesbourne	2	↑	0	0	23	64	49
Hereford	2	↓	0	0	53	115	119
Rothamsted (Harpenden)	0		0	0	15	29	26
Writtle	0	↓	0	0	21	60	44
Silwood Park (nr Ascot)	*5	↑	0	0	20	33	21
Wye	*0		0	0	3	6	17
Starcross (nr Exeter)	*2	↑	0	0	13	62	49

The potato aphid was caught at six sites this week, with highest numbers at Silwood Park (5).

**Mealy Cabbage aphid** (*Brevicoryne brassicae*)

Cabbage aphid ( <i>Brevicoryne brassicae</i> )	Bulletin Week Totals		29/08-04/09		Accumulated until		04/09
	2016	Compared to last Bulletin week	2015	10-year average 2006-15	2016	2015	10-year average 2006-15
Dundee	*0		/	2	1	/	13
Gogarbank (Edinburgh)	0	↓	0	1	5	0	7
Newcastle	*0		0	0	0	3	9
York	*0		0	/	57	97	/
Preston	*0		0	0	82	13	25
Kirton	4	↑	2	1	90	1372	187
Broom's Barn (nr Bury St Edmunds)	2	↑	0	0	38	374	145
Wellesbourne	0		0	1	1355	3673	951
Hereford	0		0	4	1104	1206	252
Rothamsted (Harpenden)	0		0	1	8	156	94
Writtle	1	↑	0	0	50	460	273
Silwood Park (nr Ascot)	*0		0	0	9	150	80
Wye	*0		0	0	21	303	140
Starcross (nr Exeter)	*9	↑	0	3	35	233	270

Mealy cabbage aphids were caught at four sites this week, the highest numbers at Starcross (9).

**Willow-carrot aphid** (*Cavariella aegopodii*)

Willow-carrot aphid ( <i>Cavariella aegopodii</i> )	Bulletin Week Totals		29/08-04/09		Accumulated until		04/09
	2016	Compared to last Bulletin week	2015	10-year average 2006-15	2016	2015	10-year average 2006-15
Dundee	*2	↑	/	15	180	/	128
Gogarbank (Edinburgh)	0	↓	0	0	159	233	107
Newcastle	*0		1	0	72	114	109
York	*0	↓	0	/	494	463	/
Preston	*0	↓	0	2	1170	592	592
Kirton	0	↓	0	2	691	2210	778
Broom's Barn (nr Bury St Edmunds)	0	↓	0	5	457	1955	866
Wellesbourne	0		0	0	451	1333	584
Hereford	0		0	0	155	403	426
Rothamsted (Harpenden)	1	↓	0	0	254	1345	501
Writtle	0	↓	0	0	498	2120	994
Silwood Park (nr Ascot)	*0		0	0	103	742	323
Wye	*0	↓	0	0	208	983	464
Starcross (nr Exeter)	*0		0	0	148	344	183

The willow-carrot aphid was caught in low numbers at two sites this week.

**Pea aphid (*Acyrtosiphon pisum*)**

Pea aphid ( <i>Acyrtosiphon pisum</i> )	Bulletin Week Totals		29/08-04/09		Accumulated until		04/09
	2016	Compared to last Bulletin week	2015	10-year average 2006-15	2016	2015	10-year average 2006-15
Dundee	*0	↓	/	0	16	/	123
Gogarbank (Edinburgh)	0	↓	1	0	16	24	49
Newcastle	*0		1	0	17	7	54
York	*0	↓	1	/	46	45	/
Preston	*0	↓	0	0	14	14	49
Kirton	5	↓	0	1	227	256	1230
Broom's Barn (nr Bury St Edmunds)	3	↓	0	0	205	105	676
Wellesbourne	8	↑	0	0	206	190	362
Hereford	0	↓	0	1	143	79	154
Rothamsted (Harpenden)	2	↓	0	1	155	147	462
Writtle	4	↓	0	0	160	132	758
Silwood Park (nr Ascot)	*0		0	0	51	64	129
Wye	*5	↓	0	0	78	119	317
Starcross (nr Exeter)	*0	↓	0	1	63	228	117

The pea aphid was caught at 11 sites. Numbers were mostly lower this bulletin week.

**Black bean aphid (*Aphis fabae*)**

Black bean aphid ( <i>Aphis fabae</i> )	Bulletin Week Totals		29/08-04/09		Accumulated until		04/09
	2016	Compared to last Bulletin week	2015	10-year average 2006-15	2016	2015	10-year average 2006-15
Dundee	*2	↑	/	9	41	/	151
Gogarbank (Edinburgh)	9	↓	14	6	61	84	65
Newcastle	*6		11	4	8	104	60
York	*0		2	/	5	802	/
Preston	*0	↓	3	2	9	107	32
Kirton	3	↑	0	2	10	1249	225
Broom's Barn (nr Bury St Edmunds)	0		1	1	3	1408	297
Wellesbourne	3	↓	0	0	12	978	295
Hereford	2	↓	0	1	6	822	191
Rothamsted (Harpenden)	0		0	0	10	901	387
Writtle	1	↓	0	1	11	1675	363
Silwood Park (nr Ascot)	*0		0	0	17	255	99
Wye	*0		0	0	7	484	160
Starcross (nr Exeter)	*2	↑	0	0	228	183	100

The black bean aphid was caught at eight sites with highest numbers at Edinburgh (9).

## Further information

Please send information on crop aphids to: [mark-s.taylor@rothamsted.ac.uk](mailto:mark-s.taylor@rothamsted.ac.uk)

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