



## 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** – As a result of last week’s mini heatwave we have processed some very large insect samples this week, but they rewarded us with precious few aphids. Most aphids trapped are now leaving ripening or mature crops and should only pose a threat to the most backward crops.

### WINTER AND SPRING CEREALS

Numbers of cereal aphids flying from ripening crops continued to increase, particularly the bird cherry-oat aphid at the Starcross suction-trap. The winter barley harvest is well underway across the UK and the winter wheat harvest is just starting. This summer low levels of aphids have been recorded in cereal crops from early in the season but they have never reached threshold levels. The early colonisation was probably a carry-over from the late 2015 autumn migration (highlighted in the AHDB Aphid Alert updates of 17.12.2015 and 08.01.2016) and a mild winter that resulted in such a high incidence of BYDV across the country.

### POTATOES

Virus pressure is low across all regions. Numbers of peach–potato aphid (*Myzus persicae*) and the potato aphid (*Macrosiphum euphorbiae*) are low in both ST and YWT this week. In Scotland the potato crop is that much later and the three main cereal aphids may contribute to the PVY vector pressure through August, but their numbers are below average at present. 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).

### WINTER and SPRING OILSEED RAPE

Harvesting is in progress so aphids are no longer an issue in most crops.

### FIELD BRASSICAS and LEAFY VEGETABLES

All aphids affecting field brassicas and leafy vegetables are generally low in STs. The potential threat in a range of brassicas is the diamond back moth, as reports of a second generation flight continue to come in.

### CARROTS and PARSNIPS

The numbers of willow–carrot aphid (*Cavariella aegopodii*) flying are now very low everywhere. Numbers of parsnip aphid are also very low.

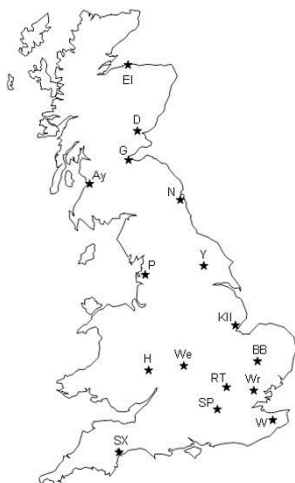
### PEAS and BEANS

Despite a slight increase this week, pea aphid (*Acyrtosiphon pisum*) numbers are low in our trap catches compared to 10-year means for this time of year. The vining and combining pea harvest has begun and it now seems unlikely that aphids will cause significant problems this season.

We have not received any field reports of crops requiring treatment for black bean aphid (*Aphis fabae*) so far. Numbers in both ST and YWT are conspicuously low both for the time of year and compared to the large migrations seen in 2015.

A report of black bean aphids (*Aphis fabae*) in sweet corn heads in S Essex & Kent has been received.

# SUCTION-TRAPPING RESULTS



The information below relates to suction-trap samples collected during **Bulletin Week 18: 18/7 – 24/7**.

- Numbers of cereal aphids flying from ripening crops continued to increase, particularly the bird cherry-oat aphid at Starcross.
- Numbers of peach-potato aphid (*Myzus persicae*) increased very slightly on last week, with highest numbers at Hereford.
- The numbers of willow-carrot aphid (*Cavariella aegopodii*) flying are now very low everywhere.
- A single currant-lettuce aphid (*Nasonovia ribisnigri*) was caught at Starcross.
- Numbers of parsnip aphids are low (*Cavariella pastinaceae* 2 at Newcastle, 3 at Kirton, 1 at Broom’s Barn and 2 at Starcross, but no *Cavariella theobaldi*).
- Numbers of the black bean aphid (*Aphis fabae*) are conspicuously low, both for the time of year and compared to the large migrations seen in 2015.
- Numbers of the pea aphid increased a little at 10 sites with highest numbers at Kirton, Broom’s Barn and Starcross.

\*’ 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		18/07-24/07		Accumulated until		24/07
	2016	Compared to last Bulletin week	2015	10-year average 2006-15	2016	2015	10-year average 2006-15
Dundee	*0	↓	/	1559	63	/	2773
Gogarbank (Edinburgh)	3		10	104	35	84	567
Newcastle	*4	↑	3	59	40	24	187
York	*17	↑	5	/	52	60	/
Preston	*0		0	24	69	63	364
Kirton	*59	↑	2	203	94	189	1390
Broom’s Barn (nr Bury St Edmunds)	*56	↑	4	56	110	231	1145
Wellesbourne	*28	↑	1	12	94	245	383
Hereford	*3	↓	11	41	44	263	539
Rothamsted (Harpenden)	*27	↑	3	23	77	201	625
Writtle	*33	↑	1	45	96	108	628
Silwood Park (nr Ascot)	*0		0	2	16	106	166
Wye	*14	↑	0	15	49	84	236
Starcross (nr Exeter)	*1	↓	6	7	62	369	332

The rose-grain aphid was caught at 11 sites this week. There were small increases at eight sites and the highest numbers were at Kirton and Broom’s Barn, but numbers are well below the 10-yr means.

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

Bird cherry–oat aphid ( <i>Rhopalosiphum padi</i> )	Bulletin Week Totals		18/07-24/07		Accumulated until		24/07
	2016	Compared to last Bulletin week	2015	10-year average 2006-15	2016	2015	10-year average 2006-15
Dundee	*14	↓	/	359	964	/	1118
Gogarbank (Edinburgh)	25	↑	0	68	117	5	764
Newcastle	*62	↓	0	39	333	5	325
York	*11	↑	1	/	89	24	/
Preston	*18	↑	0	26	94	17	115
Kirton	*57	↑	2	92	255	94	793
Broom's Barn (nr Bury St Edmunds)	*41	↑	7	51	336	57	826
Wellesbourne	*104	↑	5	65	410	34	266
Hereford	*175	↑	9	62	366	40	295
Rothamsted (Harpenden)	*56	↑	4	64	292	27	415
Writtle	*135	↑	0	51	608	55	493
Silwood Park (nr Ascot)	*50	↑	2	30	227	30	227
Wye	*66	↓	4	59	348	45	277
Starcross (nr Exeter)	*930	↑	5	80	1531	77	398

The bird cherry–oat aphid was caught at all sites this bulletin week. Numbers were up on last week's bulletin, with a big hotspot at Starcross (930).

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

Grain aphid ( <i>Sitobion avenae</i> )	Bulletin Week Totals		18/07-24/07		Accumulated until		24/07
	2016	Compared to last Bulletin week	2015	10-year average 2006-15	2016	2015	10-year average 2006-15
Dundee	*4	↓	/	310	89	/	577
Gogarbank (Edinburgh)	6	↑	8	87	30	34	279
Newcastle	*13	↑	5	57	47	15	135
York	*34	↑	26	/	78	279	/
Preston	*14	↑	5	68	48	61	297
Kirton	*1	↑	5	234	14	38	1088
Broom's Barn (nr Bury St Edmunds)	*13	↑	6	116	41	62	921
Wellesbourne	*3	↓	4	111	65	80	789
Hereford	*14	↑	24	156	37	239	681
Rothamsted (Harpenden)	*17	↑	9	127	41	70	984
Writtle	*23	↑	8	122	59	60	925
Silwood Park (nr Ascot)	*8	↑	19	83	34	80	535
Wye	*22	↑	6	119	86	37	668
Starcross (nr Exeter)	*50	↑	35	44	127	382	668

The grain aphid was caught in low numbers at all sites this week, with small increases at 12 sites, but numbers are well below the accumulated 10-yr means.

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

Peach–potato aphid ( <i>Myzus persicae</i> )	Bulletin Week Totals		18/07-24/07		Accumulated until		24/07
	2016	Compared to last Bulletin week	2015	10-year average 2006-15	2016	2015	10-year average 2006-15
Dundee	*7	↑	/	3	25	/	12
Gogarbank (Edinburgh)	4	↑	1	1	15	31	14
Newcastle	*0		2	2	19	38	18
York	*0		0	/	256	370	/
Preston	*0		8	3	112	156	124
Kirton	*6	↑	6	40	186	2636	683
Broom's Barn (nr Bury St Edmunds)	*6	↑	1	40	374	2487	864
Wellesbourne	*3	↑	4	3	1652	1276	521
Hereford	*18	↑	3	17	485	705	186
Rothamsted (Harpenden)	*1	↑	8	33	298	1011	490
Writtle	*9	↑	4	31	428	1451	791
Silwood Park (nr Ascot)	*0	↓	2	1	33	138	70
Wye	*0		4	7	63	643	270
Starcross (nr Exeter)	*7	↑	9	12	50	755	176

The peach–potato aphid was caught at nine sites this bulletin week. There were small increases on the previous week with highest numbers at Hereford.

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

Potato aphid ( <i>Macrosiphum euphorbiae</i> )	Bulletin Week Totals		18/07-24/07		Accumulated until		24/07
	2016	Compared to last Bulletin week	2015	10-year average 2006-15	2016	2015	10-year average 2006-15
Dundee	*0	↓	/	14	17	/	31
Gogarbank (Edinburgh)	1	↑	0	11	15	13	56
Newcastle	*0		1	4	3	11	20
York	*0		0	/	9	19	/
Preston	*0		0	2	30	33	29
Kirton	*0		0	8	15	67	66
Broom's Barn (nr Bury St Edmunds)	*0		0	1	4	19	43
Wellesbourne	*0		2	3	21	64	48
Hereford	*0		2	15	29	113	95
Rothamsted (Harpenden)	*0		0	1	15	29	24
Writtle	*0		1	1	16	59	42
Silwood Park (nr Ascot)	*0		0	1	14	33	21
Wye	*0		0	2	3	6	17
Starcross (nr Exeter)	*0	↓	0	1	10	61	46

A single potato aphid was recorded at Edinburgh this week.

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

Cabbage aphid ( <i>Brevicoryne brassicae</i> )	Bulletin Week Totals		18/07-24/07		Accumulated until		24/07
	2016	Compared to last Bulletin week	2015	10-year average 2006-15	2016	2015	10-year average 2006-15
Dundee	*0		/	1	1	/	3
Gogarbank (Edinburgh)	1	↑	0	0	4	0	2
Newcastle	*0		0	0	0	3	6
York	*0		0	/	53	90	/
Preston	*0	↓	0	2	82	10	20
Kirton	*6	↑	14	6	81	1358	177
Broom's Barn (nr Bury St Edmunds)	*1	↑	1	12	34	373	128
Wellesbourne	*3	↑	61	25	1353	3656	935
Hereford	*3	↑	67	17	1103	1173	213
Rothamsted (Harpenden)	*0		23	12	8	152	76
Writtle	*5	↑	6	25	49	459	239
Silwood Park (nr Ascot)	*1	↑	22	5	9	150	78
Wye	*1	↓	7	9	21	303	133
Starcross (nr Exeter)	*1	↓	20	47	13	217	219

The mealy cabbage aphid was caught at nine sites in low numbers this bulletin week.

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

Willow-carrot aphid ( <i>Cavariella aegopodii</i> )	Bulletin Week Totals		18/07-24/07		Accumulated until		24/07
	2016	Compared to last Bulletin week	2015	10-year average 2006-15	2016	2015	10-year average 2006-15
Dundee	*0	↓	/	4	178	/	78
Gogarbank (Edinburgh)	1	↑	1	1	156	230	103
Newcastle	*0	↓	0	2	72	111	104
York	*0	↓	0	/	483	452	/
Preston	*1	↓	0	2	1158	584	583
Kirton	*0		2	2	684	2209	769
Broom's Barn (nr Bury St Edmunds)	*0	↓	0	2	451	1954	855
Wellesbourne	*1	↑	0	1	449	1333	584
Hereford	*0		0	1	153	399	424
Rothamsted (Harpenden)	*3	↑	1	1	250	1344	498
Writtle	*0	↓	2	1	491	2118	992
Silwood Park (nr Ascot)	*3	↑	0	0	103	742	323
Wye	*0	↓	2	1	205	982	463
Starcross (nr Exeter)	*0	↓	5	2	144	342	181

The willow-carrot aphid was caught at five sites this week, but numbers are now low everywhere.

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

Pea aphid ( <i>Acyrtosiphon pisum</i> )	Bulletin Week Totals		18/07-24/07		Accumulated until		24/07
	2016	Compared to last Bulletin week	2015	10-year average 2006-15	2016	2015	10-year average 2006-15
Dundee	*4	↓	/	23	14	/	77
Gogarbank (Edinburgh)	2	↑	0	8	5	17	42
Newcastle	*1	↑	1	9	14	5	31
York	*6	↑	4	/	16	29	/
Preston	*0		0	6	7	12	47
Kirton	*34	↑	10	389	96	232	1152
Broom's Barn (nr Bury St Edmunds)	*21	↑	10	142	124	97	635
Wellesbourne	*4	↑	29	20	189	124	347
Hereford	*0	↓	0	34	102	43	140
Rothamsted (Harpenden)	*11	↑	29	67	124	121	421
Writtle	*12	↑	24	127	119	124	733
Silwood Park (nr Ascot)	*3	↑	14	15	49	58	127
Wye	*0	↓	4	48	45	103	311
Starcross (nr Exeter)	*21	↑	13	9	57	212	108

The pea aphid was caught at 11 sites with highest numbers at Kirton, Broom's Barn and Starcross.

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

Black bean aphid ( <i>Aphis fabae</i> )	Bulletin Week Totals		18/07-24/07		Accumulated until		24/07
	2016	Compared to last Bulletin week	2015	10-year average 2006-15	2016	2015	10-year average 2006-15
Dundee	*0	↓	/	19	6	/	33
Gogarbank (Edinburgh)	3	↑	0	6	6	5	13
Newcastle	*0		3	4	0	54	15
York	*0		67	/	0	743	/
Preston	*0	↓	4	3	3	101	28
Kirton	*0		31	14	7	1219	192
Broom's Barn (nr Bury St Edmunds)	*0		6	5	1	1407	286
Wellesbourne	*0		40	16	2	963	291
Hereford	*0		94	23	0	797	172
Rothamsted (Harpenden)	*0		52	21	6	872	373
Writtle	*0	↓	18	9	4	1667	349
Silwood Park (nr Ascot)	*0	↓	9	12	17	249	98
Wye	*0	↓	8	11	7	482	158
Starcross (nr Exeter)	*3	↓	6	4	210	183	96

The black bean aphid was caught at two sites in very low numbers for the time of year.

## Further information

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

---

AHDB Cereals and Oilseeds: [Click here](#)

---

AHDB Potatoes: [Click here](#)

---

AHDB Horticulture: [Click here](#)

---

[#APHIDMONITORING](#)

---

Rothamsted Insect Survey: [Click here](#)

---

Science and Advice for Scottish Agriculture (SASA): [Click here](#)

## In partnership with



## AHDB Aphid News 2016

AHDB publications are free to levy payers

Electronic version can be downloaded at [cereals.ahdb.org.uk](http://cereals.ahdb.org.uk)

To join the mailing lists, contact: [cereals.subscriptions@ahdb.org.uk](mailto:cereals.subscriptions@ahdb.org.uk)

While the Agriculture and Horticulture Development Board seeks to ensure that the information contained within this document is accurate at the time of printing, no warranty is given in respect thereof and, to the maximum extent permitted by law, the Agriculture and Horticulture Development Board accepts no liability for loss, damage or injury howsoever caused (including that caused by negligence) or suffered directly or indirectly in relation to information and opinions contained in or omitted from this document. Reference herein to trade names and proprietary products without stating that they are protected does not imply that they may be regarded as unprotected and thus free for general use. No endorsement of named products is intended, nor is any criticism implied of other alternative but unnamed products.

© Agriculture and Horticulture Development Board 2015. All rights reserved.