

# AHDB Aphid News

Suction-trap period 4–10 November 2019

## General

- The autumn migration continues to abate and average air temperatures remain below the aphid flight threshold. The total number of aphids has decreased to 43% of that of the previous period.
- Bird cherry–oat aphid numbers also decreased to 39% of the previous period (across all sites). Numbers accumulated from 16/09 represents the early emergence of cereals and provide an indication of the build-up of virus vector pressure. During the period 8–14/11, no female aphids were found at Rothamsted (the 10-year mean for cereal colonisers in this period is 33%).
- Single grain aphids were recorded from Broom’s Barn and Starcross.
- The latest [BYDV tests results](#) are included in this edition. Only a small proportion of aphids entering cereals are likely carry BYDV. Initially, aphids colonise relatively few crop plants. However, the second generation tends to move away from the plant originally colonised. Controlling this generation is a key part of a BYDV management strategy. Use our [BYDV management tool](#) to predict the timing of this generation.
- Peach–potato aphids were recorded in single figures from four sites, increasing at Broom’s Barn and Rothamsted. This is the main vector of TuYV but seldom reaches numbers high enough to cause direct feeding damage.
- No cabbage aphids were recorded.
- Willow–carrot aphids were found from seven sites, increasing at three, with a hotspot at Broom’s Barn. 86% of those found were male aphids and, hence, of no concern to growers.
- The new suction-trap at East Malling (Kent) has entered operation. Due to its short run, caution is advised when interpreting the data for this site.
- For more information on trap counts see: [insectsurvey.com/aphid-bulletin](http://insectsurvey.com/aphid-bulletin)
- Aphids that have located unprotected crops will continue to do well at temperatures above 3°C.
- **Monitoring is recommended.**

## BYDV test results

Number of aphids\* with BYDV positive test results. Total number tested indicated in brackets.

### Bird cherry–oat aphid

Newcastle: **2** (6)

Kirton: **3** (24)

Broom’s Barn: **3** (13)

Writtle: **6** (24)

Starcross: **8** (16)

**Total: 22** (83)

### Grain aphid

Newcastle: **0** (0)

Kirton: **0** (0)

Broom’s Barn: **0** (0)

Writtle: **0** (0)

Starcross: **1** (1)

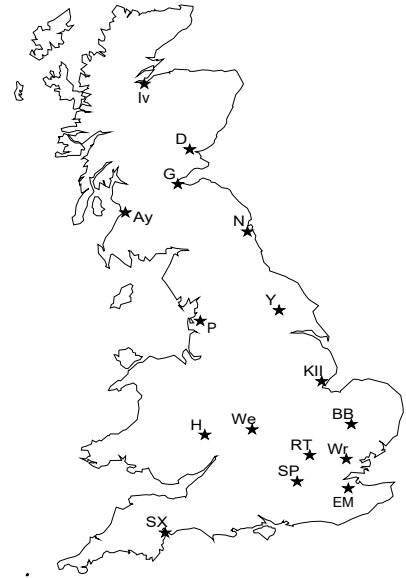
**Total: 1** (1)

\*Samples collected during suction-trap period 28 October–3 November 2019

### Suction-trap locations

AHDB Aphid News is based on information on aphid species and numbers from the Rothamsted Research/SASA suction-trap (ST) network. The traps are located at:

Inverness (Iv), Dundee (D), Gogarbank (G), Ayr (Ay), Newcastle (N), Preston (P), York (Y), Kirton (K), Broom's Barn (BB), Wellesbourne (We), Hereford (H), Rothamsted Tower (RT), Writtle (Wr), Silwood Park (SP), East Malling (EM) and Starcross (SX).



### Suction-trap data

'\*' indicates where totals have been corrected proportionally to seven days, fewer days' samples having been processed, '#' indicates the first occurrence of this aphid species this year and **0 = none so far this year**.

Red text indicates an increase (↑) and blue text indicates a decrease (↓) in aphid numbers compared to last week. "/" indicates that we have no data from this trap.

Rose-grain aphid ( <i>Metopolophium dirhodum</i> )	Bulletin Week Totals			04/11-10/11
	2019	2018	10-year average 2009-18	
Dundee	0	0	0	
Gogarbank (Edinburgh)	0	1	0	
Newcastle	0	0	0	
York	*0	0		
Preston	0	1	2	
Kirton	0	0	0	
Broom's Barn (Bury St Edmunds)	1	0	0	
Wellesbourne	*0	0	0	
Hereford	0	0	0	
Rothamsted (Harpenden)	0	0	0	
Writtle	0	0	1	
Silwood Park (nr Ascot)	0	0	0	
East Malling	0			
Starcross (nr Exeter)	0	0	0	

Bird cherry-oat aphid – females only ( <i>Rhopalosiphum padi</i> )	Bulletin Week Totals			04/11-10/11	Accumulated from 16/09	
	2019	2018	10-year average 2009-18	2019	10-year average 2009-18	
Dundee	4	6	1	2743	909	
Gogarbank (Edinburgh)	2	2	4	4248	2356	
Newcastle	6	2	9	2398	1610	
York	*51	84		7324	/	
Preston	4	49	62	7927	9157	
Kirton	27	233	40	5322	2782	
Broom's Barn (Bury St Edmunds)	10	73	16	666	2429	
Wellesbourne	*2	158	34	1827	2714	
Hereford	1	42	19	1057	2830	
Rothamsted (Harpenden)	6	49	11	317	1183	
Writtle	15	94	19	790	2764	
Silwood Park (nr Ascot)	1	23	11	366	1108	
East Malling	14			751		
Starcross (nr Exeter)	6	34	15	773	1579	

Grain aphid <i>(Sitobion avenae)</i>	Bulletin Week Totals			04/11-10/11
	2019	2018	10-year average 2009-18	
Dundee	0	0	0	
Gogarbank (Edinburgh)	0	0	0	
Newcastle	0	0	0	
York	*0	1		
Preston	0	0	0	
Kirton	0	0	0	
Broom's Barn (Bury St Edmunds)	1	1	0	
Wellesbourne	*0	0	0	
Hereford	0	0	0	
Rothamsted (Harpenden)	0	2	0	
Writtle	0	0	0	
Silwood Park (nr Ascot)	0	1	0	
East Malling	0			
Starcross (nr Exeter)	1	0	0	

Peach-potato aphid <i>(Myzus persicae)</i>	Bulletin Week Totals			04/11-10/11
	2019	2018	10-year average 2009-18	
Dundee	0	1	0	
Gogarbank (Edinburgh)	0	1	0	
Newcastle	0	0	0	
York	*0	4		
Preston	0	1	1	
Kirton	1	27	5	
Broom's Barn (Bury St Edmunds)	6	27	4	
Wellesbourne	*0	17	3	
Hereford	0	0	1	
Rothamsted (Harpenden)	1	13	2	
Writtle	2	45	6	
Silwood Park (nr Ascot)	0	36	5	
East Malling	0			
Starcross (nr Exeter)	0	9	2	

Potato aphid <i>(Macrosiphum euphorbiae)</i>	Bulletin Week Totals			04/11-10/11
	2019	2018	10-year average 2009-18	
Dundee	0	0	0	
Gogarbank (Edinburgh)	0	0	0	
Newcastle	0	0	0	
York	*0	0		
Preston	0	0	0	
Kirton	0	0	0	
Broom's Barn (Bury St Edmunds)	0	0	0	
Wellesbourne	*0	0	0	
Hereford	0	0	0	
Rothamsted (Harpenden)	0	0	0	
Writtle	0	0	0	
Silwood Park (nr Ascot)	0	0	0	
East Malling	0			
Starcross (nr Exeter)	0	0	0	

Cabbage aphid <i>(Brevicoryne brassicae)</i>	Bulletin Week Totals			04/11-10/11
	2019	2018	10-year average 2009-18	
Dundee	0	0	0	
Gogarbank (Edinburgh)	0	0	0	
Newcastle	0	0	0	
York	*0	0		
Preston	0	0	0	
Kirton	0	0	0	
Broom's Barn (Bury St Edmunds)	0	0	0	
Wellesbourne	*0	0	0	
Hereford	0	0	0	
Rothamsted (Harpenden)	0	1	0	
Writtle	0	0	0	
Silwood Park (nr Ascot)	0	0	0	
East Malling	0			
Starcross (nr Exeter)	0	0	0	

Willow-carrot aphid <i>(Cavariella aegopodii)</i>	Bulletin Week Totals			04/11-10/11
	2019	2018	10-year average 2009-18	
Dundee	2	101	12	
Gogarbank (Edinburgh)	1	1	0	
Newcastle	0	0	0	
York	*9	3		
Preston	0	2	5	
Kirton	10	8	8	
Broom's Barn (Bury St Edmunds)	114	0	9	
Wellesbourne	*0	0	1	
Hereford	1	1	1	
Rothamsted (Harpenden)	0	1	0	
Writtle	1	0	0	
Silwood Park (nr Ascot)	0	0	0	
East Malling	0			
Starcross (nr Exeter)	0	4	1	

Pea aphid <i>(Acyrtosiphon pisum)</i>	Bulletin Week Totals			04/11-10/11
	2019	2018	10-year average 2009-18	
Dundee	0	0	0	
Gogarbank (Edinburgh)	0	0	0	
Newcastle	0	0	0	
York	*0	0		
Preston	0	0	0	
Kirton	0	0	0	
Broom's Barn (Bury St Edmunds)	0	0	0	
Wellesbourne	*0	0	0	
Hereford	0	0	0	
Rothamsted (Harpenden)	0	1	0	
Writtle	0	0	0	
Silwood Park (nr Ascot)	0	0	0	
East Malling	0			
Starcross (nr Exeter)	0	0	0	

Black bean aphid ( <i>Aphis fabae</i> )	Bulletin Week Totals		
	2019	2018	04/11-10/11 10-year average 2009-18
Dundee	0	0	0
Gogarbank (Edinburgh)	0	0	0
Newcastle	0	0	0
York	*0	1	
Preston	0	0	0
Kirton	1	20	2
Broom's Barn (Bury St Edmunds)	2	2	0
Wellesbourne	*0	0	0
Hereford	0	0	0
Rothamsted (Harpenden)	0	0	0
Writtle	0	0	0
Silwood Park (nr Ascot)	0	0	0
East Malling	0		
Starcross (nr Exeter)	0	0	0

### Further information

Please send information on crop aphids to: [alex.greenslade@rothamsted.ac.uk](mailto:alex.greenslade@rothamsted.ac.uk)

[insectsurvey.com](http://insectsurvey.com)

[ahdb.org.uk/aphid-news](http://ahdb.org.uk/aphid-news)

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