

AHDB Aphid News

Suction-trap period 15 April–21 April 2019

General

- The record-breaking temperatures this bulletin week saw the total number of aphids flying and species diversity increase substantially. This edition reports many first aphid flights across Britain
- The numbers of cereal aphids recorded from the suction-traps have increased substantially, with six first arrivals noted this week. In particular, the bird cherry–oat aphid was recorded in double figures from the suction-trap at Silwood Park
- Most winter cereals have now passed the danger period for BYDV, i.e. beyond GS31. Spring crops may still be at risk. No field reports of cereal aphids have been received
- First arrivals of peach–potato aphid have been recorded this week from seven sites across England. There have also been field reports from Hutchinsons of peach–potato aphids arriving on crops in Norfolk and Cambridgeshire
- First arrivals of cabbage aphid and black bean aphid were also recorded
- No samples were received from Newcastle this week

Monitoring at risk cereal and oilseed rape crops is advised.

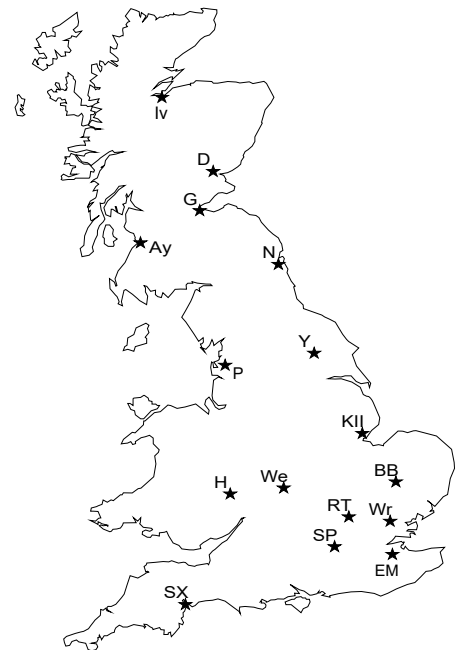
Suction-trap locations

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).

* The East Malling (EM) trap will start operating during 2019.



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			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	1 #	0	0	1	0	0
Gogarbank (Edinburgh)	0	0	0	1	0	0
Newcastle	/	0	0	0	0	0
York	0	0		0	0	
Preston	3	0	0	4	0	1
Kirton	1 #	0	0	1	0	0
Broom's Barn (Bury St Edmunds)	0	0	0	0	0	1
Wellesbourne	0	0	1	0	0	1
Hereford	0	0	0	0	0	0
Rothamsted (Harpenden)	0	0	0	0	0	0
Writtle	0	0	0	0	1	1
Silwood Park (nr Ascot)	1	0	0	3	0	1
East Malling	/			0		
Starcross (nr Exeter)	0	2	0	3	2	1

Bird cherry-oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	0	0	0	0	0
Gogarbank (Edinburgh)	0	0	0	0	1	0
Newcastle	/	0	0	0	0	0
York	0	0		0	0	
Preston	2 #	0	0	2	0	1
Kirton	2	0	0	4	0	0
Broom's Barn (Bury St Edmunds)	1	0	0	2	0	1
Wellesbourne	2 #	0	1	2	0	2
Hereford	1	0	0	2	2	1
Rothamsted (Harpenden)	6	0	0	8	0	0
Writtle	4	0	0	10	0	1
Silwood Park (nr Ascot)	16	0	1	17	0	2
East Malling	/			0		
Starcross (nr Exeter)	4	0	0	13	0	3

Grain aphid (<i>Sitobion avenae</i>)	Bulletin Week Totals			15/04-21/04			Accumulated until			21/04		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	0	0	0	0	0	0	0	0	0	0	0
Gogarbank (Edinburgh)	0	0	0	0	0	0	0	0	0	0	0	0
Newcastle	/	0	0	0	0	0	0	0	0	0	0	0
York	0	0	0	0	0	0	1	0	0	1	0	0
Preston	0	0	0	0	0	0	0	0	0	0	0	0
Kirton	0	0	0	0	0	0	0	0	0	0	0	0
Broom's Barn (Bury St Edmunds)	0	0	0	0	0	0	0	0	0	0	0	0
Wellesbourne	0	0	0	0	0	0	0	0	0	0	0	0
Hereford	0	0	0	0	0	0	0	0	0	0	0	0
Rothamsted (Harpenden)	0	0	0	0	0	0	0	0	0	0	0	0
Writtle	0	0	0	0	0	0	1	0	0	1	0	0
Silwood Park (nr Ascot)	1 #	0	0	0	0	0	1	0	0	1	0	0
East Malling	/	0	0	0	0	0	0	0	0	0	0	0
Starcross (nr Exeter)	3 #	0	0	0	0	0	3	0	0	3	0	1

peach-potato aphid (<i>Myzus persicae</i>)	Bulletin Week Totals			15/04-21/04			Accumulated until			21/04		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	0	0	0	0	0	0	0	0	0	0	0
Gogarbank (Edinburgh)	0	0	0	0	0	0	0	0	0	0	0	0
Newcastle	/	0	0	0	0	0	0	0	0	0	0	0
York	1 #	0	0	0	0	0	1	0	0	1	0	0
Preston	0	0	0	0	0	0	0	0	0	0	0	0
Kirton	0	0	0	0	0	0	0	0	0	0	0	0
Broom's Barn (Bury St Edmunds)	2 #	0	0	0	0	0	2	0	0	2	0	0
Wellesbourne	1 #	0	0	0	0	0	1	0	0	1	0	1
Hereford	0	0	0	0	0	0	0	0	0	0	0	0
Rothamsted (Harpenden)	5 #	0	0	0	0	0	5	0	0	5	0	0
Writtle	4 #	0	0	0	0	0	4	0	0	4	0	0
Silwood Park (nr Ascot)	1 #	0	0	0	0	0	1	0	0	1	0	1
East Malling	/	0	0	0	0	0	0	0	0	0	0	0
Starcross (nr Exeter)	2 #	0	0	0	0	0	2	0	0	2	0	1

Potato aphid <i>(Macrosiphum euphorbiae)</i>	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	0	0	0	0	0
Gogarbank (Edinburgh)	0	0	0	0	0	0
Newcastle	/	0	0	0	0	0
York	0	0		0	0	
Preston	3	0	0	4	0	0
Kirton	0	0	0	0	0	0
Broom's Barn (Bury St Edmunds)	0	0	0	0	0	0
Wellesbourne	0	0	0	0	0	0
Hereford	0	0	0	0	0	0
Rothamsted (Harpenden)	0	0	0	0	0	0
Writtle	4	0	0	5	0	0
Silwood Park (nr Ascot)	2 #	0	0	2	0	0
East Malling	/			0		
Starcross (nr Exeter)	5	0	0	6	0	0

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

Willow-carrot aphid (<i>Cavariella aegopodii</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	1 #	0	0	1	0	0
Gogarbank (Edinburgh)	0	0	0	0	0	0
Newcastle	/	0	0	0	0	0
York	1 #	0		1	0	
Preston	4	0	0	5	0	0
Kirton	0	0	0	0	0	0
Broom's Barn (Bury St Edmunds)	0	0	0	0	0	0
Wellesbourne	0	0	0	0	0	1
Hereford	0	0	0	0	0	0
Rothamsted (Harpenden)	0	0	0	0	0	0
Writtle	1	0	0	2	0	0
Silwood Park (nr Ascot)	0	0	0	0	0	0
East Malling	/			0		
Starcross (nr Exeter)	12	0	0	13	0	0

Pea aphid (<i>Acyrtosiphon pisum</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	0	0	0	0	0
Gogarbank (Edinburgh)	0	0	0	0	0	0
Newcastle	/	0	0	0	0	0
York	0	0		0	0	
Preston	1 #	0	0	1	0	0
Kirton	0	0	0	0	0	0
Broom's Barn (Bury St Edmunds)	0	0	0	0	0	0
Wellesbourne	0	0	0	0	0	0
Hereford	0	0	0	0	0	0
Rothamsted (Harpenden)	1 #	0	0	1	0	0
Writtle	2 #	0	0	2	0	0
Silwood Park (nr Ascot)	2	0	0	3	0	0
East Malling	/			0		
Starcross (nr Exeter)	1 #	0	0	1	0	0

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

Further information

Please send information on crop aphids to: alex.greenslade@rothamsted.ac.uk

insectsurvey.com

ahdb.org.uk/aphid-news

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