

AHDB Aphid News

Trap period 27 April – 03 May 2020

General

In response to the Covid-19 pandemic; the Rothamsted Insect Survey is at this time operating at reduced capacity. The team will process as many samples as possible to produce weekly results, but substantial disruption to the normal reporting service is expected. Most of the suction-trap network is currently operating on a weekly trapping regime with some sites unable to send weekly samples.

- Due to technical difficulties relating to the current situation, 10-year average data will be displayed on the data tables below and on the Rothamsted Insect Survey website from 2009 – 2018.
- Preston has been able to resume trap operation, there has been a gap in data from this site for five weeks. The first arrival data for this site is therefore unreliable and not treated as true first arrivals in the commentary below.
- Despite average air temperatures falling during this reporting period there have still been a number of first arrivals and hotspots being recorded across available sites.
- There were two first arrivals of cereal aphids this reporting period from Kirton and Rothamsted. The Bird cherry-oat aphid has still been recorded in double figures at Starcross this reporting period but cereal aphids at other sites with available data remain in single figures.
- We have had reports of Bird cherry-oat aphid in spring cereals as well as BYDV in winter cereals. Many winter cereals are passing end of the danger period for BYDV, i.e. beyond GS31. Spring crops may still be at risk.
- Peach-potato aphid has reached double figures at Broom's Barn and Writtle. We have had reports of varying levels of Peach-potato aphid in beet crops.
- Potato aphid has decreased in number across available sites in England.
- There were first arrivals of Cabbage aphid from Writtle and Starcross.
- A first arrival of Willow-carrot aphid was also noted from Writtle as well as a hotspot at Broom's Barn.
- The first Black bean aphid record from the sites this year was noted from Preston this week.
- For those interested in suction-trap data for prior periods, the tables on the insect survey website: insectsurvey.com/aphid-bulletin will be updated with data from previous periods that it has been possible to process.

Cereal and OSR crops are potentially at risk, crop inspections are advised.

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.

Only tables for species reported upon that have been recorded so far this year are displayed.

Rose-grain aphid (<i>Metopolophium dirhodum</i>)	Bulletin Week Totals			Accumulated until		
	2020	2018	27/05-03/05 10-year average 2009-18	2020	2018	03/05 10-year average 2009-18
Dundee	/	0	1	0	0	1
Gogarbank (Edinburgh)	/	0	0	0	0	0
Newcastle	*0	0	0	0	0	0
York	/	0		0	0	
Preston	0	1	1	0	1	2
Kirton	*2 #	0	1	2	0	1
Broom's Barn (Bury St Edmunds)	0	0	1	1	0	1
Wellesbourne	/	0	0	0	0	2
Hereford	/	0	0	0	0	0
Rothamsted (Harpenden)	0	0	0	1	0	1
Writtle	0	0	0	0	1	2
Silwood Park (nr Ascot)	0	0	0	7	0	3
East Malling	/			3		
Starcross (nr Exeter)	1	2	1	7	4	3

Bird cherry-oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals			Accumulated until		
	2020	2018	27/05-03/05 10-year average 2009-18	2020	2018	03/05 10-year average 2009-18
Dundee	/	0	0	0	0	0
Gogarbank (Edinburgh)	/	0	0	0	1	1
Newcastle	*0	0	0	0	0	1
York	/	0		0	0	
Preston	2 #	0	2	2	0	3
Kirton	*5	1	2	6	1	5
Broom's Barn (Bury St Edmunds)	3	1	2	5	1	4
Wellesbourne	/	0	2	0	0	5
Hereford	/	0	2	0	2	4
Rothamsted (Harpenden)	0	0	1	3	0	3
Writtle	3	3	3	5	5	6
Silwood Park (nr Ascot)	3	3	4	24	3	11
East Malling	/			21		
Starcross (nr Exeter)	17	0	10	106	1	15

Grain aphid (<i>Sitobion avenae</i>)	Bulletin Week Totals			Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	/	0	0	0	0	0
Gogarbank (Edinburgh)	/	0	0	0	0	0
Newcastle	*0	0	0	0	0	0
York	/	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	1	3	0	1
Wellesbourne	/	0	1	0	0	2
Hereford	/	0	1	0	0	1
Rothamsted (Harpenden)	2 #	0	0	2	0	1
Writtle	0	1	1	1	1	1
Silwood Park (nr Ascot)	2	0	0	8	0	2
East Malling	/			5		
Starcross (nr Exeter)	2	0	2	7	0	4

Peach-potato aphid (<i>Myzus persicae</i>)	Bulletin Week Totals			Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	/	0	0	0	0	0
Gogarbank (Edinburgh)	/	0	0	0	0	0
Newcastle	*0	0	0	0	0	0
York	/	0		0	0	
Preston	1 #	0	0	1	0	0
Kirton	*5	0	0	7	0	1
Broom's Barn (Bury St Edmunds)	40	0	4	43	0	5
Wellesbourne	/	0	5	0	0	9
Hereford	/	0	0	0	0	1
Rothamsted (Harpenden)	6	1	1	15	1	2
Writtle	33	0	2	36	0	3
Silwood Park (nr Ascot)	0	0	1	3	0	3
East Malling	/			3		
Starcross (nr Exeter)	2	0	2	42	0	4

Potato aphid <i>(Macrosiphum euphorbiae)</i>	Bulletin Week Totals			Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	/	0	0	0	0	0
Gogarbank (Edinburgh)	/	0	0	0	0	0
Newcastle	*0	0	0	0	0	0
York	/	0		0	0	
Preston	0	0	0	0	0	0
Kirton	*2	0	0	8	0	1
Broom's Barn (Bury St Edmunds)	1	0	0	10	0	1
Wellesbourne	/	0	0	0	0	1
Hereford	/	0	0	1	0	0
Rothamsted (Harpenden)	0	0	0	3	0	1
Writtle	2	1	1	4	1	2
Silwood Park (nr Ascot)	0	0	1	10	0	2
East Malling	/			11		
Starcross (nr Exeter)	0	2	1	6	2	1

Cabbage aphid <i>(Brevicoryne brassicae)</i>	Bulletin Week Totals			Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	/	0	0	0	0	0
Gogarbank (Edinburgh)	/	0	0	0	0	0
Newcastle	*0	0	0	0	0	0
York	/	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	1	0	0
Wellesbourne	/	0	4	0	0	5
Hereford	/	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	1	3	0	1
East Malling	/			0		
Starcross (nr Exeter)	2 #	0	0	2	0	0

Willow-carrot aphid (<i>Cavariella aegopodii</i>)	Bulletin Week Totals			Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	/	0	0	0	0	0
Gogarbank (Edinburgh)	/	0	0	0	0	0
Newcastle	*0	0	0	0	0	0
York	/	1		1	1	
Preston	1 #	0	5	1	0	5
Kirton	*9	1	5	17	1	6
Broom's Barn (Bury St Edmunds)	25	0	7	35	0	9
Wellesbourne	/	0	2	0	0	5
Hereford	/	0	0	1	0	1
Rothamsted (Harpenden)	0	0	3	0	0	3
Writtle	6 #	2	3	6	2	4
Silwood Park (nr Ascot)	0	1	7	2	1	10
East Malling	/			6		
Starcross (nr Exeter)	2	0	3	6	1	5

Pea aphid (<i>Acyrtosiphon pisum</i>)	Bulletin Week Totals			Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	/	0	0	0	0	0
Gogarbank (Edinburgh)	/	0	0	0	0	0
Newcastle	*0	0	0	0	0	0
York	/	0		0	0	
Preston	0	0	0	0	0	0
Kirton	*0	0	0	0	0	0
Broom's Barn (Bury St Edmunds)	1	0	0	2	0	1
Wellesbourne	/	0	0	0	0	1
Hereford	/	0	1	0	0	1
Rothamsted (Harpenden)	0	0	0	0	0	0
Writtle	2	0	1	3	0	1
Silwood Park (nr Ascot)	1	0	1	5	0	2
East Malling	/			5		
Starcross (nr Exeter)	0	0	0	2	0	1

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals 27/05-03/05			Accumulated until 03/05		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	/	0	0	0	0	0
Gogarbank (Edinburgh)	/	0	0	0	0	0
Newcastle	*0	0	0	0	0	0
York	/	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
Hereford	/	0	0	0	0	0
Rothamsted (Harpenden)	0	0	0	0	0	0
Writtle	0	0	0	0	0	0
Silwood Park (nr Ascot)	0	0	0	0	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/aphid-bulletin

ahdb.org.uk/aphid-news

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