

AHDB Aphid News

Trap period 20 April – 26 April 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 several sites unable to send 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.
- Continued above average air temperatures during this reporting period has resulted once again in an increased diversity of aphids noted from active sites with nineteen first arrivals being recorded.
- A greater number of suction-traps have recorded cereal aphids this reporting period with eight first arrivals being noted as far north as Kirton. The Bird cherry-oat aphid hotspot at Starcross from the last reporting period appears to have subsided.
- Many winter cereals are nearing the end of the danger period for BYDV, i.e. beyond GS31.
- There was a first arrival of Peach-potato aphid from Silwood Park, as well as a first arrival of Potato aphid from Rothamsted and Writtle.
- The first arrivals of Cabbage aphid for this year were recorded from Broom's Barn and Silwood Park.
- There were a further three first arrivals of Willow-carrot aphid as far north as York.
- Three more first arrivals of Pea aphid were recorded up as far as Broom's Barn.
- In the current reporting period we have received catches from the previous period (13-19/04/2020) the following were recorded: four Bird cherry-oat aphids from East Malling; single Grain aphids from Broom's Barn and East Malling; two Peach-potato aphids each from Kirton, Broom's Barn and Writtle; single Potato aphids from Kirton, Broom's Barn as well as two from East Malling; a single Willow-carrot aphid from Broom's Barn.
- For those interested in updated suction-trap data for prior periods to this please see the insect survey website: insectsurvey.com/aphid-bulletin.

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	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	0	
Preston	/	0	0	0	0	1
Kirton	0	0	0	0	0	0
Broom's Barn (Bury St Edmunds)	1 #	0	0	1	0	1
Wellesbourne	/	0	0	0	0	1
Hereford	/	0	0	0	0	0
Rothamsted (Harpenden)	1 #	0	0	1	0	1
Writtle	0	0	0	0	1	1
Silwood Park (nr Ascot)	7 #	0	1	7	0	2
East Malling	/			0		
Starcross (nr Exeter)	3	0	1	5	2	2

Bird cherry-oat aphid (<i>Rhopalosiphum padi</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	1	0
Newcastle	*0	0	0	0	0	1
York	0	0		0	0	
Preston	/	0	0	0	0	1
Kirton	1 #	0	1	1	0	2
Broom's Barn (Bury St Edmunds)	1 #	0	1	1	0	2
Wellesbourne	/	0	1	0	0	3
Hereford	/	0	1	0	2	2
Rothamsted (Harpenden)	1	0	1	3	0	2
Writtle	2 #	2	1	2	2	3
Silwood Park (nr Ascot)	12	0	2	21	0	7
East Malling	/			4		
Starcross (nr Exeter)	21	1	1	89	1	5

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	0	
Preston	/	0	0	0	0	0
Kirton	0	0	0	0	0	0
Broom's Barn (Bury St Edmunds)	2	0	0	3	0	1
Wellesbourne	/	0	0	0	0	1
Hereford	/	0	0	0	0	0
Rothamsted (Harpenden)	0	0	0	0	0	1
Writtle	1 #	0	0	1	0	1
Silwood Park (nr Ascot)	3	0	1	5	0	1
East Malling	/			1		
Starcross (nr Exeter)	4 #	0	1	4	0	2

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	0	
Preston	/	0	0	0	0	0
Kirton	0	0	0	2	0	0
Broom's Barn (Bury St Edmunds)	1	0	1	3	0	1
Wellesbourne	/	0	1	0	0	4
Hereford	/	0	0	0	0	0
Rothamsted (Harpenden)	8	0	0	9	0	0
Writtle	1	0	0	3	0	0
Silwood Park (nr Ascot)	3 #	0	0	3	0	2
East Malling	/			0		
Starcross (nr Exeter)	6	0	1	40	0	2

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	0	
Preston	/	0	0	0	0	0
Kirton	5	0	1	6	0	1
Broom's Barn (Bury St Edmunds)	8	0	0	9	0	1
Wellesbourne	/	0	0	0	0	0
Hereford	/	0	0	1	0	0
Rothamsted (Harpenden)	3 #	0	0	3	0	1
Writtle	2 #	0	1	2	0	1
Silwood Park (nr Ascot)	5	0	1	10	0	1
East Malling	/			2		
Starcross (nr Exeter)	4	0	0	5	0	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	0	
Preston	/	0	0	0	0	0
Kirton	0	0	0	0	0	0
Broom's Barn (Bury St Edmunds)	1 #	0	0	1	0	0
Wellesbourne	/	0	1	0	0	1
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)	2 #	0	0	2	0	0
East Malling	/			0		
Starcross (nr Exeter)	0	0	0	0	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 #	0		1	0	
Preston	/	0	0	0	0	0
Kirton	8 #	0	1	8	0	1
Broom's Barn (Bury St Edmunds)	9	0	1	10	0	2
Wellesbourne	/	0	1	0	0	3
Hereford	/	0	0	1	0	0
Rothamsted (Harpenden)	0	0	0	0	0	1
Writtle	0	0	1	0	0	1
Silwood Park (nr Ascot)	1	0	2	2	0	3
East Malling	/			0		
Starcross (nr Exeter)	4 #	1	1	4	1	2

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	0	
Preston	/	0	0	0	0	0
Kirton	0	0	0	0	0	0
Broom's Barn (Bury St Edmunds)	1 #	0	0	1	0	0
Wellesbourne	/	0	0	0	0	0
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)	4 #	0	0	4	0	1
East Malling	/			0		
Starcross (nr Exeter)	0	0	0	2	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

In partnership with



AHDB
Stoneleigh Park
Kenilworth
Warwickshire
CV8 2TL

T 024 7 669 2051
E info@ahdb.org.uk
W ahdb.org.uk
🐦 @TheAHDB

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