

AHDB Aphid News

Trap period 13 April – 19 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.
- With continued above average air temperatures during this reporting period the number and diversity of aphids noted from active sites from the last reporting period has increased with four first arrivals being recorded. We have also had reports of apterous (wingless) aphids on sugar beet crops from South Yorkshire to Essex.
- The number of cereal aphids recorded from the suction-traps has increased substantially in Southern England this reporting period with a first arrival being recorded from Rothamsted. This increase predominantly consisted of Bird cherry-oat aphid from a hotspot at Starcross.
- Many winter cereals have not yet passed the danger period for BYDV, i.e. beyond GS31.
- The late sowing of spring cereals this year could cause an issue where winged (alate) cereal aphid colonies may mature on winter crops in time to fly to spring crops that are newly emerged and hence cause greater damage. Multiple crop protection experts have said that there is some evidence that applying control measures earlier and not later (when natural enemies are more abundant) to spring cereals may be of some benefit, if crop inspections warrant such a measure.
- A hotspot for Peach-potato aphid was recorded from Starcross. A first arrival of Potato aphid was also recorded from Silwood Park.
- The first arrival of Willow-carrot aphid was noted from Silwood Park.
- The first arrival of Pea aphid was recorded from Starcross.
- We have in the current reporting period received catches from the previous reporting period (6-12/04/2020) the following were recorded: a single Rose-grain aphid from Broom's Barn, two Bird cherry-oat aphids from Brooms Barn, two Peach-potato aphids from Broom's Barn, a single Potato aphid from Hereford as well as a single Willow-carrot aphid each from Hereford and Broom's Barn.

Monitoring at risk cereal and oilseed rape crops is 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
Broom's Barn (Bury St Edmunds)	/	0	0	1	0	1
Wellesbourne	/	0	0	0	0	1
Hereford	0	0	0	0	0	0
Rothamsted (Harpenden)	0	0	0	1	0	0
Writtle	/	0	0	0	1	1
Silwood Park (nr Ascot)	0	0	1	0	0	2
East Malling	/			0		
Starcross (nr Exeter)	*2	0	0	14	2	1

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	0
York	0	0		0	0	
Preston	/	0	0	0	0	1
Kirton	/	0	1	0	0	1
Broom's Barn (Bury St Edmunds)	/	0	1	3	0	2
Wellesbourne	/	0	1	0	0	3
Hereford	0	0	0	0	2	2
Rothamsted (Harpenden)	2 #	0	1	2	0	1
Writtle	/	0	1	0	0	2
Silwood Park (nr Ascot)	9	0	3	11	0	5
East Malling	/			8		
Starcross (nr Exeter)	*68	0	1	86	0	4

Grain aphid (<i>Sitobion avenae</i>)	Bulletin Week Totals			13/04-19/04			Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	/	0	0	0	0	0	0	0	0
Gogarbank (Edinburgh)	/	0	0	0	0	0	0	0	0
Newcastle	*0	0	0	0	0	0	0	0	0
York	0	0		0	0		0	0	
Preston	/	0	0	0	0	0	0	0	0
Kirton	/	0	0	2	0	0	2	0	0
Broom's Barn (Bury St Edmunds)	/	0	0	0	0	0	0	0	0
Wellesbourne	/	0	0	0	0	1	0	0	1
Hereford	0	0	0	0	0	0	0	0	0
Rothamsted (Harpenden)	0	0	0	0	0	0	0	0	0
Writtle	/	0	0	0	0	1	0	0	1
Silwood Park (nr Ascot)	2	0	1	4	0	1	4	0	1
East Malling	/			1			1		
Starcross (nr Exeter)	*0	0	1	1	0	1	1	0	1

Peach-potato aphid (<i>Myzus persicae</i>)	Bulletin Week Totals			13/04-19/04			Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	/	0	0	0	0	0	0	0	0
Gogarbank (Edinburgh)	/	0	0	0	0	0	0	0	0
Newcastle	*0	0	0	0	0	0	0	0	0
York	0	0		0	0		0	0	
Preston	/	0	0	0	0	0	0	0	0
Kirton	/	0	0	0	0	0	0	0	0
Broom's Barn (Bury St Edmunds)	/	0	0	2	0	0	2	0	0
Wellesbourne	/	0	2	0	0	3	0	0	3
Hereford	0	0	0	0	0	0	0	0	0
Rothamsted (Harpenden)	1	0	0	3	0	0	3	0	0
Writtle	/	0	0	0	0	0	0	0	0
Silwood Park (nr Ascot)	0	0	1	0	0	1	0	0	1
East Malling	/			0			0		
Starcross (nr Exeter)	*34	0	1	36	0	1	36	0	1

Potato aphid (<i>Macrosiphum euphorbiae</i>)	Bulletin Week Totals 13/04-19/04			Accumulated until 19/04		
	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
Broom's Barn (Bury St Edmunds)	/	0	1	0	0	1
Wellesbourne	/	0	0	0	0	0
Hereford	1	0	0	2	0	0
Rothamsted (Harpenden)	0	0	0	1	0	0
Writtle	/	0	0	0	0	0
Silwood Park (nr Ascot)	5 #	0	1	5	0	1
East Malling	/			1		
Starcross (nr Exeter)	*1	0	0	5	0	0

Willow-carrot aphid (<i>Cavariella aegopodii</i>)	Bulletin Week Totals 13/04-19/04			Accumulated until 19/04		
	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	2	0	1
Broom's Barn (Bury St Edmunds)	/	0	1	1	0	1
Wellesbourne	/	0	2	0	0	3
Hereford	1	0	0	2	0	0
Rothamsted (Harpenden)	0	0	0	0	0	0
Writtle	/	0	0	0	0	0
Silwood Park (nr Ascot)	1 #	0	1	1	0	1
East Malling	/			1		
Starcross (nr Exeter)	*0	0	0	2	0	1

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



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