

AHDB Aphid News

Trap period 04 May – 10 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.
- Despite average air temperatures failing to reach the long-term average during this reporting period the numbers of aphids recorded have generally increased across available sites, there have also been six first arrivals.
- Cereal aphid numbers remain mostly in single figures this reporting period aside from double and triple figure hotspots for Bird cherry-oat aphid at East Malling and Starcross respectively.
- Most winter cereals have now passed end of the danger period for BYDV, i.e. beyond GS31. Spring crops may still be at risk.
- There was a hotspot for Peach-potato aphid at Kirton, double figures were also recorded from Broom's Barn.
- Potato aphid remains in single figures across available sites.
- There were three first arrivals of Cabbage aphid at Kirton, Rothamsted and East Malling.
- A first arrival of Willow-carrot aphid was noted from Rothamsted as well as hotspots at Kirton and Broom's Barn.
- There were also first arrivals of Pea aphid and Black bean aphid from Rothamsted and East Malling respectively.
- 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		04/05-10/05	Accumulated until		10/05
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	/	1	0	0	1	1
Gogarbank (Edinburgh)	/	0	1	0	0	1
Newcastle	/	0	0	0	0	0
York	/	0		0	0	
Preston	/	0	1	0	1	3
Kirton	2	0	1	4	0	2
Broom's Barn (Bury St Edmunds)	*2	0	0	3	0	2
Wellesbourne	/	0	0	0	0	2
Hereford	/	1	1	0	1	1
Rothamsted (Harpenden)	2	1	1	3	1	2
Writtle	/	0	1	0	1	2
Silwood Park (nr Ascot)	2	1	2	9	1	4
East Malling	1			5		
Starcross (nr Exeter)	0	4	8	7	8	11

Bird cherry-oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals		04/05-10/05	Accumulated until		10/05
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	/	0	1	0	0	1
Gogarbank (Edinburgh)	/	0	0	0	1	1
Newcastle	/	0	1	0	0	2
York	/	12		0	12	
Preston	/	1	6	2	1	9
Kirton	9	5	3	13	6	8
Broom's Barn (Bury St Edmunds)	*0	0	14	5	1	18
Wellesbourne	/	4	4	2	4	9
Hereford	/	4	3	0	6	7
Rothamsted (Harpenden)	7	5	8	10	5	11
Writtle	/	1	11	5	6	17
Silwood Park (nr Ascot)	5	8	21	29	11	32
East Malling	20			49		
Starcross (nr Exeter)	119	2	29	225	3	44

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
York	/	0		0	0	
Preston	/	0	2	1	0	3
Kirton	4	0	1	6	0	1
Broom's Barn (Bury St Edmunds)	*0	1	1	3	1	2
Wellesbourne	/	0	2	2	0	4
Hereford	/	0	1	0	0	2
Rothamsted (Harpenden)	1	1	1	3	1	2
Writtle	/	1	1	1	2	2
Silwood Park (nr Ascot)	5	0	3	13	0	5
East Malling	5			15		
Starcross (nr Exeter)	3	1	6	10	1	10

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
York	/	1		0	1	
Preston	/	0	0	1	0	0
Kirton	63	0	1	71	0	2
Broom's Barn (Bury St Edmunds)	*21	0	3	64	0	8
Wellesbourne	/	0	7	4	0	17
Hereford	/	0	2	0	0	2
Rothamsted (Harpenden)	9	1	2	24	2	4
Writtle	/	2	3	36	2	5
Silwood Park (nr Ascot)	2	1	2	5	1	4
East Malling	5			12		
Starcross (nr Exeter)	0	1	9	42	1	13

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	/	1	0	0	1	0
York	/	0		0	0	
Preston	/	0	1	0	0	1
Kirton	4	1	1	11	1	2
Broom's Barn (Bury St Edmunds)	*2	0	0	12	0	1
Wellesbourne	/	0	1	4	0	1
Hereford	/	0	1	1	0	1
Rothamsted (Harpenden)	2	0	0	5	0	1
Writtle	/	0	1	4	1	3
Silwood Park (nr Ascot)	2	0	2	12	0	4
East Malling	4			20		
Starcross (nr Exeter)	4	1	2	10	3	3

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

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	1	0	0	1
Newcastle	/	0	1	0	0	1
York	/	7		3	8	
Preston	/	4	18	1	4	22
Kirton	85	12	40	119	13	46
Broom's Barn (Bury St Edmunds)	*65	19	34	100	19	43
Wellesbourne	/	4	7	24	4	12
Hereford	/	1	5	1	1	5
Rothamsted (Harpenden)	5 #	3	9	5	3	13
Writtle	/	7	14	6	9	19
Silwood Park (nr Ascot)	4	7	45	6	8	54
East Malling	14			21		
Starcross (nr Exeter)	2	3	13	8	4	18

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
York	/	0		0	0	
Preston	/	0	0	0	0	1
Kirton	0	1	0	0	1	0
Broom's Barn (Bury St Edmunds)	*0	0	0	2	0	1
Wellesbourne	/	0	2	1	0	3
Hereford	/	1	3	0	1	4
Rothamsted (Harpenden)	3 #	0	3	3	0	3
Writtle	/	0	1	3	0	2
Silwood Park (nr Ascot)	2	0	2	7	0	4
East Malling	3			9		
Starcross (nr Exeter)	2	0	2	4	0	3

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals			Accumulated until		
	2020	2018	04/05-10/05 10-year average 2009-18	2020	2018	10/05 10-year average 2009-18
Dundee	/	0	0	0	0	0
Gogarbank (Edinburgh)	/	0	0	0	0	0
Newcastle	/	0	0	0	0	0
York	/	0		0	0	
Preston	/	0	0	1	0	0
Kirton	0	0	0	0	0	0
Broom's Barn (Bury St Edmunds)	*0	3	1	0	3	1
Wellesbourne	/	0	0	0	0	0
Hereford	/	0	0	0	0	0
Rothamsted (Harpenden)	0	0	0	0	0	0
Writtle	/	0	1	0	0	1
Silwood Park (nr Ascot)	0	0	1	0	0	1
East Malling	1 #			1		
Starcross (nr Exeter)	0	0	1	0	0	1

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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