

# AHDB Aphid News

Trap period 11 May – 17 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.
- Average air temperatures have yet again failed to reach the long-term average during this reporting period. There is a mixed picture overall of aphid numbers recorded across available sites compared to the last reporting period, there have also been four first arrivals.
- Cereal aphid numbers remain mostly in single figures this reporting period aside from a hotspot for Bird cherry-oat aphid at Starcross. There were first arrivals from Wellesbourne and York.
- The thresholds to justify insecticide sprays for direct feeding damage is for 50% of tillers to be infested before GS61.
- Peach-potato aphid numbers appear to be increasing from most sites from Broom's Barn southwards, with the highest number found at Wellesbourne.
- Only two Potato aphids were recorded at Starcross.
- Willow-carrot aphid is on the increase throughout most of the sites in England available with a three-figure hotspot at Kirton.
- There was a first arrival of Pea aphid at Kirton. Combining peas should be sprayed when around 20% of plants are infested and vining peas when 15% are infested.
- There was a first arrival of Black bean aphid from Starcross. The threshold for Black bean aphid in field and broad beans is 10% colonisation.
- For those interested in suction-trap data for prior periods, the tables on the insect survey website: [insectsurvey.com/aphid-bulletin](https://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		11/05-17/05	Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	/	0	1	0	1	2
Gogarbank (Edinburgh)	/	0	1	0	0	2
Newcastle	/	0	0	0	0	0
York	0	0		0	0	
Preston	0	0	4	0	1	6
Kirton	3	0	2	7	0	4
Broom's Barn (Bury St Edmunds)	*0	0	3	3	0	4
Wellesbourne	1 #	0	1	1	0	3
Hereford	0	0	1	0	1	2
Rothamsted (Harpenden)	1	1	1	4	2	3
Writtle	/	0	3	0	1	5
Silwood Park (nr Ascot)	0	2	1	9	3	6
East Malling	/			5		
Starcross (nr Exeter)	3	6	5	10	14	16

Bird cherry-oat aphid ( <i>Rhopalosiphum padi</i> )	Bulletin Week Totals		11/05-17/05	Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	/	6	2	0	6	3
Gogarbank (Edinburgh)	/	6	2	0	7	3
Newcastle	/	1	1	0	1	2
York	1 #	1		1	13	
Preston	3	0	19	5	1	28
Kirton	3	0	8	16	6	16
Broom's Barn (Bury St Edmunds)	*0	9	6	5	10	24
Wellesbourne	2	8	7	4	12	17
Hereford	0	2	3	0	8	10
Rothamsted (Harpenden)	0	0	3	10	5	14
Writtle	/	3	9	5	9	26
Silwood Park (nr Ascot)	4	11	7	33	22	39
East Malling	/			49		
Starcross (nr Exeter)	33	4	9	258	7	54

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	1	0	0	1
Gogarbank (Edinburgh)	/	0	0	0	0	0
Newcastle	/	0	1	0	0	1
York	0	0		0	0	
Preston	0	0	4	1	0	6
Kirton	1	0	1	7	0	1
Broom's Barn (Bury St Edmunds)	*0	0	1	3	1	3
Wellesbourne	0	0	1	2	0	4
Hereford	0	1	1	0	1	2
Rothamsted (Harpenden)	0	2	1	3	3	3
Writtle	/	1	1	1	3	3
Silwood Park (nr Ascot)	3	0	1	16	0	6
East Malling	/			15		
Starcross (nr Exeter)	8	0	2	18	1	12

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	0	1		0	2	
Preston	0	0	0	1	0	0
Kirton	4	0	2	75	0	4
Broom's Barn (Bury St Edmunds)	*28	0	36	92	0	45
Wellesbourne	53	1	21	57	1	37
Hereford	0	0	2	0	0	4
Rothamsted (Harpenden)	33	0	7	57	2	11
Writtle	/	3	15	36	5	20
Silwood Park (nr Ascot)	14	2	3	19	3	7
East Malling	/			12		
Starcross (nr Exeter)	4	3	7	46	4	20

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

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	1		0	1	
Preston	0	0	0	0	0	1
Kirton	1	1	2	5	1	3
Broom's Barn (Bury St Edmunds)	*0	0	1	1	0	1
Wellesbourne	0	0	4	0	0	13
Hereford	0	0	0	0	0	1
Rothamsted (Harpenden)	1	0	0	5	0	0
Writtle	/	0	1	1	0	2
Silwood Park (nr Ascot)	6	1	2	12	1	3
East Malling	/			3		
Starcross (nr Exeter)	5	0	3	7	0	6

Willow-carrot aphid ( <i>Cavariella aegopodii</i> )	Bulletin Week Totals			11/05-17/05			Accumulated until			17/05
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18	
Dundee	/	3	6	0	3	6				
Gogarbank (Edinburgh)	/	1	1	0	1	2				
Newcastle	/	3	3	0	3	4				
York	62	17		65	25					
Preston	5	2	30	6	6	52				
Kirton	187	9	103	306	22	149				
Broom's Barn (Bury St Edmunds)	*70	112	126	170	131	169				
Wellesbourne	42	47	34	66	51	46				
Hereford	0	1	29	1	2	34				
Rothamsted (Harpenden)	5	8	18	10	11	30				
Writtle	/	25	85	6	34	103				
Silwood Park (nr Ascot)	6	65	36	12	73	90				
East Malling	/			21						
Starcross (nr Exeter)	18	12	16	26	16	34				

Pea aphid ( <i>Acyrtosiphon pisum</i> )	Bulletin Week Totals			11/05-17/05			Accumulated until			17/05
	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				
Gogarbank (Edinburgh)	/	0	0	0	0	0				
Newcastle	/	0	0	0	0	0				
York	0	0		0	0					
Preston	0	0	0	0	0	1				
Kirton	1 #	0	1	1	1	1				
Broom's Barn (Bury St Edmunds)	*0	0	3	2	0	4				
Wellesbourne	1	0	2	2	0	5				
Hereford	0	2	1	0	3	5				
Rothamsted (Harpenden)	1	0	2	4	0	5				
Writtle	/	0	5	3	0	7				
Silwood Park (nr Ascot)	0	1	2	7	1	6				
East Malling	/			9						
Starcross (nr Exeter)	3	0	2	7	0	5				

Black bean aphid ( <i>Aphis fabae</i> )	Bulletin Week Totals			Accumulated until		
	2020	2018	11/05-17/05 10-year average 2009-18	2020	2018	17/05 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	0	
Preston	2	0	0	3	0	0
Kirton	0	0	0	0	0	0
Broom's Barn (Bury St Edmunds)	*0	5	1	0	8	2
Wellesbourne	0	0	0	0	0	0
Hereford	0	0	1	0	0	1
Rothamsted (Harpenden)	0	0	1	0	0	1
Writtle	/	0	1	0	0	2
Silwood Park (nr Ascot)	0	0	1	0	0	2
East Malling	/			1		
Starcross (nr Exeter)	2 #	1	1	2	1	2

### Further information

Please send information on crop aphids to: [alex.greenslade@rothamsted.ac.uk](mailto:alex.greenslade@rothamsted.ac.uk)

[insectsurvey.com/aphid-bulletin](http://insectsurvey.com/aphid-bulletin)

[ahdb.org.uk/aphid-news](http://ahdb.org.uk/aphid-news)

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