

AHDB Aphid News

Trap period 18 May – 24 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.
- Gogarbank has been able to resume reporting data. Due the substantial gap in available data from this site the first arrival data is unreliable and is therefore not later referred to.
- Average air temperatures have rather dramatically exceeded the long-term average during this reporting period. There has been a considerable increase in the number of aphids recorded across available sites compared to the last reporting period.
- Cereal aphid numbers are generally on the increase. Bird cherry-oat aphid reached double figures at four sites with a hotspot remaining at Starcross.
- The thresholds to justify insecticide sprays for direct feeding damage is for 50% of tillers to be infested before GS61.
- Peach-potato aphid numbers have increased substantially at several sites in England, with a hotspot at Broom's Barn reaching over four figures.
- Potato aphids are on the increase in available English sites but remain mostly in single figures.
- Willow-carrot aphid is on the increase at all available sites in England apart from Starcross, with three figure hotspots at Kirton followed by Broom's Barn. Double figures were also recorded as far north as Gogarbank.
- Pea aphid remains in single figures this week. Combining peas should be sprayed when around 20% of plants are infested and vining peas when 15% are infested.
- Black bean aphid was recorded from Starcross and East Malling. The threshold for Black bean aphid in field and broad beans is 10% plant colonisation.
- 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	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	/	1	2	0	2	4
Gogarbank (Edinburgh)	*1 #	0	14	1	0	16
Newcastle	/	1	0	0	1	1
York	/	0		0	0	
Preston	/	0	8	0	1	15
Kirton	*1	1	4	8	1	8
Broom's Barn (Bury St Edmunds)	*2	0	4	5	0	9
Wellesbourne	/	0	4	1	0	7
Hereford	/	3	4	0	4	6
Rothamsted (Harpenden)	3	1	3	7	3	6
Writtle	/	0	2	0	1	8
Silwood Park (nr Ascot)	/	1	3	9	4	8
East Malling	3			8		
Starcross (nr Exeter)	*2	10	7	12	24	23

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	/	22	5	0	28	8
Gogarbank (Edinburgh)	*0	2	7	0	9	10
Newcastle	/	11	7	0	12	10
York	/	4		1	17	
Preston	/	5	17	5	6	45
Kirton	*24	4	12	40	10	28
Broom's Barn (Bury St Edmunds)	*28	5	9	33	15	33
Wellesbourne	/	3	26	4	15	42
Hereford	/	1	11	0	9	21
Rothamsted (Harpenden)	5	5	8	15	10	22
Writtle	/	5	22	5	14	47
Silwood Park (nr Ascot)	/	3	9	33	25	47
East Malling	26			75		
Starcross (nr Exeter)	*60	21	14	317	28	68

Grain aphid (<i>Sitobion avenae</i>)	Bulletin Week Totals			18/05-24/05			Accumulated until			24/05		
	2020	2018	10-year average 2009-18	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	1	0	0	1	0	0	1
Gogarbank (Edinburgh)	*0	0	2	0	0	2	0	0	2	0	0	2
Newcastle	/	0	1	0	0	2	0	0	2	0	0	2
York	/	0		0	0		0	0		0	0	
Preston	/	1	12	1	1	18	1	1	18	1	1	18
Kirton	*3	3	2	10	3	3	10	3	3	10	3	3
Broom's Barn (Bury St Edmunds)	*0	0	0	3	1	4	3	1	4	3	1	4
Wellesbourne	/	2	4	2	2	8	2	2	8	2	2	8
Hereford	/	3	2	0	4	5	0	4	5	0	4	5
Rothamsted (Harpenden)	0	2	2	3	5	4	3	5	4	3	5	4
Writtle	/	1	1	1	4	4	1	4	4	1	4	4
Silwood Park (nr Ascot)	/	2	2	16	2	7	16	2	7	16	2	7
East Malling	5			20			20			20		
Starcross (nr Exeter)	*9	1	2	27	2	13	27	2	13	27	2	13

Peach-potato aphid (<i>Myzus persicae</i>)	Bulletin Week Totals			18/05-24/05			Accumulated until			24/05		
	2020	2018	10-year average 2009-18	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	1	0	0	1	0	0	1
Gogarbank (Edinburgh)	*0	0	1	0	0	1	0	0	1	0	0	1
Newcastle	/	0	0	0	0	0	0	0	0	0	0	0
York	/	0		0	2		0	2		0	2	
Preston	/	0	0	1	0	1	1	0	1	1	0	1
Kirton	*144	0	5	219	0	9	219	0	9	219	0	9
Broom's Barn (Bury St Edmunds)	*1367	0	30	1459	0	75	1459	0	75	1459	0	75
Wellesbourne	/	1	43	57	2	80	57	2	80	57	2	80
Hereford	/	1	7	0	1	12	0	1	12	0	1	12
Rothamsted (Harpenden)	120	0	11	177	2	22	177	2	22	177	2	22
Writtle	/	3	20	36	8	41	36	8	41	36	8	41
Silwood Park (nr Ascot)	/	6	6	19	9	13	19	9	13	19	9	13
East Malling	66			78			78			78		
Starcross (nr Exeter)	*7	1	5	53	5	26	53	5	26	53	5	26

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	/	1	1	0	1	2
Gogarbank (Edinburgh)	*0	5	5	0	5	6
Newcastle	/	1	2	0	2	3
York	/	1		0	1	
Preston	/	0	1	0	0	3
Kirton	*4	0	4	15	1	7
Broom's Barn (Bury St Edmunds)	*9	1	1	21	1	3
Wellesbourne	/	1	5	4	1	10
Hereford	/	2	5	1	2	6
Rothamsted (Harpenden)	3	0	1	8	0	2
Writtle	/	5	4	4	7	8
Silwood Park (nr Ascot)	/	2	1	12	3	6
East Malling	10			30		
Starcross (nr Exeter)	*9	6	2	21	9	7

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	2	0	0	2
Newcastle	/	0	0	0	0	0
York	/	0		0	1	
Preston	/	1	0	0	1	1
Kirton	*35	0	3	40	1	5
Broom's Barn (Bury St Edmunds)	*110	0	5	111	0	6
Wellesbourne	/	0	31	0	0	44
Hereford	/	3	4	0	3	5
Rothamsted (Harpenden)	4	0	1	9	0	1
Writtle	/	3	3	1	3	5
Silwood Park (nr Ascot)	/	1	7	12	2	10
East Malling	5			8		
Starcross (nr Exeter)	*9	14	6	16	14	13

Willow-carrot aphid (<i>Cavariella aegopodii</i>)	Bulletin Week Totals			18/05-24/05			Accumulated until			24/05		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18			
Dundee	/	7	13	0	10	20						
Gogarbank (Edinburgh)	*36 #	6	16	36	7	18						
Newcastle	/	5	10	0	8	13						
York	/	26		65	51							
Preston	/	22	127	6	28	179						
Kirton	*717	68	179	1023	90	328						
Broom's Barn (Bury St Edmunds)	*247	495	268	417	626	437						
Wellesbourne	/	101	133	66	152	179						
Hereford	/	17	108	1	19	142						
Rothamsted (Harpenden)	7	82	122	17	93	152						
Writtle	/	230	291	6	264	394						
Silwood Park (nr Ascot)	/	87	61	12	160	151						
East Malling	8			29								
Starcross (nr Exeter)	*18	50	25	44	66	59						

Pea aphid (<i>Acyrtosiphon pisum</i>)	Bulletin Week Totals			18/05-24/05			Accumulated until			24/05		
	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	1	0	0	1	0						
Newcastle	/	1	1	0	1	1						
York	/	0		0	0							
Preston	/	0	0	0	0	1						
Kirton	*3	0	1	4	1	3						
Broom's Barn (Bury St Edmunds)	*0	2	1	2	2	5						
Wellesbourne	/	1	6	2	1	10						
Hereford	/	0	2	0	3	7						
Rothamsted (Harpenden)	0	0	4	4	0	9						
Writtle	/	1	3	3	1	9						
Silwood Park (nr Ascot)	/	1	2	7	2	9						
East Malling	5			14								
Starcross (nr Exeter)	*7	5	2	14	5	7						

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals			Accumulated until		
	2020	2018	18/05-24/05 10-year average 2009-18	2020	2018	24/05 10-year average 2009-18
Dundee	/	0	1	0	0	1
Gogarbank (Edinburgh)	*0	0	1	0	0	2
Newcastle	/	0	0	0	0	0
York	/	0		0	0	
Preston	/	0	0	3	0	0
Kirton	*0	0	0	0	0	0
Broom's Barn (Bury St Edmunds)	*0	3	2	0	11	4
Wellesbourne	/	1	2	0	1	2
Hereford	/	0	0	0	0	1
Rothamsted (Harpenden)	0	1	1	0	1	2
Writtle	/	0	1	0	0	3
Silwood Park (nr Ascot)	/	0	2	0	0	4
East Malling	2			3		
Starcross (nr Exeter)	*4	1	3	6	2	5

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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