

AHDB Aphid News

Suction-trap period 20 May–26 May 2019

General

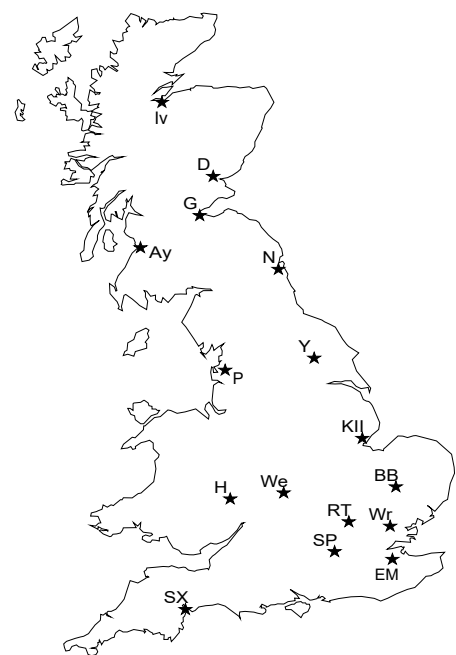
- The average air temperature remained above the long-term average across Britain.
- A handful of first arrivals was recorded, mainly from northern Britain.
- The total increase in number of aphids has slowed, compared to last week.
- Cereal aphid numbers, however, have increased by around 180%, compared to last week.
- Bird cherry–oat aphid showed a substantial increase across England but declined in Scotland.
- The thresholds to justify insecticide sprays for direct feeding damage is for 50% of tillers to be infested before GS61, increasing to 66% of tillers infested from GS61 to two weeks before the end of grain filling.
- Peach–potato aphid numbers reached three figures at Broom’s Barn and Rothamsted but declined in northern England.
- Potato aphid numbers have declined across northern Britain but reached double figures at Rothamsted.
- Cabbage aphid numbers increased at seven sites, with a hotspot at Broom’s Barn.
- A single currant–lettuce aphid was recorded from Rothamsted.
- Willow–carrot aphid numbers have doubled across Britain this week, reaching three figures at six sites.
- Pea aphid reached double figures at Wellesbourne and Rothamsted this week. Combining peas should be sprayed when around 20% of plants are infested and vining peas when 15% are infested.
- There was a hotspot for black bean aphids at Rothamsted. Silwood Park also recorded double figures. The threshold for black bean aphid in field and broad beans is 10% colonisation.
- **Monitoring crops is advised.**

Suction-trap locations

AHDB Aphid News is based on information on aphid species and numbers from the Rothamsted Research/SASA suction-trap (ST) network. The traps are located at:

Inverness (Iv), Dundee (D), Gogarbank (G), Ayr (Ay), Newcastle (N), Preston (P), York (Y), Kirton (K), Broom’s Barn (BB), Wellesbourne (We), Hereford (H), Rothamsted Tower (RT), Writtle (Wr), Silwood Park (SP), East Malling* (EM) and Starcross (SX).

* The East Malling (EM) trap will start operating during 2019.



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.

Rose-grain aphid (<i>Metopolophium dirhodum</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	0	1	1	1	2
Gogarbank (Edinburgh)	1	0	1	9	0	2
Newcastle	*4	0	0	5	0	0
York	*7	0		8	0	
Preston	*9	0	4	28	1	6
Kirton	*1	0	2	8	0	4
Broom's Barn (Bury St Edmunds)	*13	0	3	19	0	4
Wellesbourne	*6	0	1	25	0	3
Hereford	*9	0	1	13	1	2
Rothamsted (Harpenden)	*2	1	1	10	2	3
Writtle	0	0	3	1	1	5
Silwood Park (nr Ascot)	*5	2	1	23	3	6
East Malling	/			0		
Starcross (nr Exeter)	*27	6	5	38	14	16

Bird cherry-oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	1	6	2	12	6	3
Gogarbank (Edinburgh)	2	6	2	7	7	3
Newcastle	*2 #	1	1	2	1	2
York	*33	1		50	13	
Preston	*29	0	19	53	1	28
Kirton	*18	0	8	35	6	16
Broom's Barn (Bury St Edmunds)	*43	9	6	74	10	24
Wellesbourne	*23	8	7	47	12	17
Hereford	*9	2	3	25	8	10
Rothamsted (Harpenden)	*30	0	3	72	5	14
Writtle	2	3	9	36	9	26
Silwood Park (nr Ascot)	*19	11	7	70	22	39
East Malling	/			0		
Starcross (nr Exeter)	*26	4	9	71	7	54

Grain aphid (<i>Sitobion avenae</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	3 #	0	1	3	0	1
Gogarbank (Edinburgh)	1	0	0	7	0	0
Newcastle	*0	0	1	1	0	1
York	*5	0		8	0	
Preston	*8	0	4	27	0	6
Kirton	*2	0	1	5	0	1
Broom's Barn (Bury St Edmunds)	*1	0	1	10	1	3
Wellesbourne	*5	0	1	9	0	4
Hereford	*5	1	1	8	1	2
Rothamsted (Harpenden)	*11	2	1	13	3	3
Writtle	0	1	1	3	3	3
Silwood Park (nr Ascot)	*5	0	1	13	0	6
East Malling	/			0		
Starcross (nr Exeter)	*2	0	2	11	1	12

peach-potato aphid (<i>Myzus persicae</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	1	0	0	3	0	0
Gogarbank (Edinburgh)	0	0	0	0	0	0
Newcastle	*0	0	0	1	0	0
York	*0	1		17	2	
Preston	*0	0	0	1	0	0
Kirton	*9	0	2	13	0	4
Broom's Barn (Bury St Edmunds)	*135	0	36	273	0	45
Wellesbourne	*63	1	21	97	1	37
Hereford	*0	0	2	19	0	4
Rothamsted (Harpenden)	*112	0	7	156	2	11
Writtle	2	3	15	43	5	20
Silwood Park (nr Ascot)	*9	2	3	34	3	7
East Malling	/			0		
Starcross (nr Exeter)	*7	3	7	16	4	20

Potato aphid (<i>Macrosiphum euphorbiae</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	0	1	2	0	1
Gogarbank (Edinburgh)	0	0	1	5	0	1
Newcastle	*0	0	1	3	1	1
York	*0	0		1	0	
Preston	*2	0	1	18	0	2
Kirton	*1	0	1	3	1	3
Broom's Barn (Bury St Edmunds)	*9	0	1	19	0	2
Wellesbourne	*5	0	4	17	0	5
Hereford	*9	0	1	19	0	2
Rothamsted (Harpenden)	*15	0	1	23	0	2
Writtle	0	1	2	11	2	4
Silwood Park (nr Ascot)	*6	1	1	24	1	5
East Malling	/			0		
Starcross (nr Exeter)	*2	0	1	15	3	5

Cabbage aphid (<i>Brevicoryne brassicae</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	0	0	0	0	0
Gogarbank (Edinburgh)	1 #	0	0	1	0	0
Newcastle	*0	0	0	0	0	0
York	*0	1		0	1	
Preston	*0	0	0	1	0	1
Kirton	*0	1	2	2	1	3
Broom's Barn (Bury St Edmunds)	*25	0	1	28	0	1
Wellesbourne	*5	0	4	12	0	13
Hereford	*7	0	0	11	0	1
Rothamsted (Harpenden)	*9	0	0	12	0	0
Writtle	1	0	1	7	0	2
Silwood Park (nr Ascot)	*2	1	2	3	1	3
East Malling	/			0		
Starcross (nr Exeter)	*6	0	3	7	0	6

Willow-carrot aphid (<i>Cavariella aegopodii</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	60	3	6	76	3	6
Gogarbank (Edinburgh)	54	1	1	113	1	2
Newcastle	*16 #	3	3	16	3	4
York	*240	17		404	25	
Preston	*147	2	30	371	6	52
Kirton	*117	9	103	139	22	149
Broom's Barn (Bury St Edmunds)	*124	112	126	145	131	169
Wellesbourne	*285	47	34	383	51	46
Hereford	*74	1	29	156	2	34
Rothamsted (Harpenden)	*124	8	18	146	11	30
Writtle	11	25	85	31	34	103
Silwood Park (nr Ascot)	*79	65	36	134	73	90
East Malling	/			0		
Starcross (nr Exeter)	*25	12	16	87	16	34

Pea aphid (<i>Acyrtosiphon pisum</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	1	0	0	2	0	0
Gogarbank (Edinburgh)	0	0	0	0	0	0
Newcastle	*0	0	0	2	0	0
York	*0	0		1	0	
Preston	*0	0	0	2	0	1
Kirton	*4	0	1	10	1	1
Broom's Barn (Bury St Edmunds)	*7	0	3	18	0	4
Wellesbourne	*15	0	2	26	0	5
Hereford	*0	2	1	0	3	5
Rothamsted (Harpenden)	*15	0	2	25	0	5
Writtle	0	0	5	12	0	7
Silwood Park (nr Ascot)	*5	1	2	25	1	6
East Malling	/			0		
Starcross (nr Exeter)	*5	0	2	10	0	5

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	20/05-26/05 10-year average 2009-18	2019	2018	26/05 10-year average 2009-18
Dundee	0	0	0	2	0	0
Gogarbank (Edinburgh)	3	0	0	7	0	0
Newcastle	*0	0	0	0	0	0
York	*0	0		0	0	
Preston	*0	0	0	0	0	0
Kirton	*1 #	0	0	1	0	0
Broom's Barn (Bury St Edmunds)	*7	5	1	13	8	2
Wellesbourne	*0	0	0	5	0	0
Hereford	*5	0	1	8	0	1
Rothamsted (Harpenden)	*40	0	1	46	0	1
Writtle	0	0	1	13	0	2
Silwood Park (nr Ascot)	*12	0	1	37	0	2
East Malling	/			0		
Starcross (nr Exeter)	*1	1	1	4	1	2

Further information

Please send information on crop aphids to: alex.greenslade@rothamsted.ac.uk

insectsurvey.com

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