

AHDB Aphid News

Suction-trap period 03 June – 09 June 2019

General

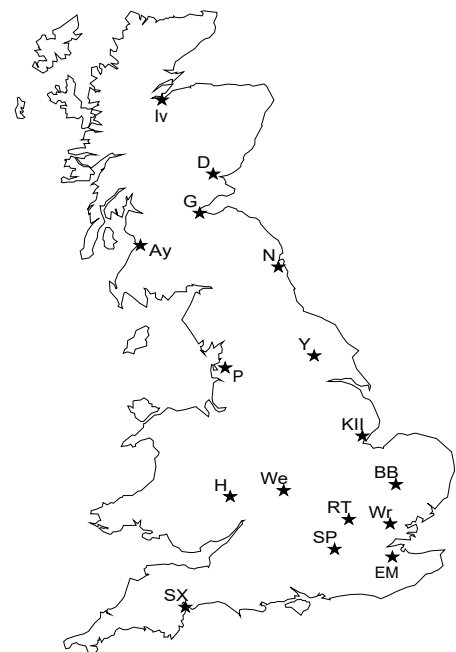
- Average air temperatures were below the long-term average. However, the number aphids increased slightly (to 115% of those recorded in the previous week)
- Cereal aphid numbers increased slightly (to 115%), mostly due to a doubling of grain aphid numbers. Accumulated numbers are mostly above the 10-year mean. 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 aphids increased to 235% of those recorded in the previous week. A hotspot at Broom’s Barn approached numbers not recorded until mid-July in 2018
- Potato aphids also more than doubled in numbers across much of Britain, increasing substantially against the 10-year mean at many sites in England
- Cabbage aphids increased at four sites with a hotspot at Writtle
- Four currant–lettuce aphids were recorded from Broom’s Barn
- Willow–carrot aphid numbers declined to 44%, compared with last week, across all but three sites
- Pea aphid increased at seven sites, including a first arrival at Gogarbank. Combining peas should be sprayed when around 20% of plants are infested and vining peas when 15% are infested
- Black bean aphid numbers increased at two sites. 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	2	2	2	6
Gogarbank (Edinburgh)	6	1	8	23	1	24
Newcastle	*5	0	3	11	1	4
York	2	0		26	0	
Preston	8	3	19	55	4	34
Kirton	23	1	8	37	2	16
Broom's Barn (Bury St Edmunds)	11	2	14	45	2	22
Wellesbourne	*40	14	7	80	14	14
Hereford	28	7	7	49	11	13
Rothamsted (Harpenden)	15	6	5	40	9	11
Writtle	4	5	11	5	6	19
Silwood Park (nr Ascot)	3	2	4	29	6	13
East Malling	/			0		
Starcross (nr Exeter)	16	9	24	100	33	47

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	6	22	8	19	50	16
Gogarbank (Edinburgh)	3	36	9	15	45	19
Newcastle	*0	6	3	9	18	13
York	76	7		192	24	
Preston	28	1	29	118	7	74
Kirton	21	11	13	68	21	40
Broom's Barn (Bury St Edmunds)	22	6	31	118	21	64
Wellesbourne	*23	2	13	78	17	55
Hereford	31	4	10	62	13	30
Rothamsted (Harpenden)	15	12	12	140	22	34
Writtle	24	4	22	61	18	69
Silwood Park (nr Ascot)	12	11	20	102	36	67
East Malling	/			0		
Starcross (nr Exeter)	23	30	23	123	58	91

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	1	2	8	1	3
Gogarbank (Edinburgh)	7	7	5	19	7	8
Newcastle	*0	1	1	1	1	3
York	16	0		26	0	
Preston	3	5	10	44	6	28
Kirton	13	4	3	22	7	7
Broom's Barn (Bury St Edmunds)	2	2	4	14	3	7
Wellesbourne	*21	4	5	31	6	13
Hereford	13	4	4	23	8	9
Rothamsted (Harpenden)	3	0	1	18	5	6
Writtle	5	3	2	8	7	6
Silwood Park (nr Ascot)	0	3	3	16	5	10
East Malling	/			0		
Starcross (nr Exeter)	4	5	4	21	7	17

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	5	0	0	8	0	1
Gogarbank (Edinburgh)	0	0	1	1	0	2
Newcastle	*2	0	1	3	0	1
York	42	1		64	3	
Preston	6	0	2	12	0	2
Kirton	71	1	17	145	1	26
Broom's Barn (Bury St Edmunds)	558	11	87	1075	11	162
Wellesbourne	*105	23	67	234	25	147
Hereford	57	3	25	87	4	36
Rothamsted (Harpenden)	21	12	31	209	14	53
Writtle	61	41	51	104	49	92
Silwood Park (nr Ascot)	4	8	5	40	17	17
East Malling	/			0		
Starcross (nr Exeter)	13	9	11	38	14	37

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	5	2	2	6	4
Gogarbank (Edinburgh)	2	10	5	8	15	11
Newcastle	*0	0	2	3	2	5
York	8	0		9	1	
Preston	37	2	7	78	2	10
Kirton	4	1	3	8	2	10
Broom's Barn (Bury St Edmunds)	6	1	2	31	2	5
Wellesbourne	*32	2	3	64	3	13
Hereford	29	1	7	57	3	14
Rothamsted (Harpenden)	15	3	2	39	3	5
Writtle	17	3	5	28	10	13
Silwood Park (nr Ascot)	14	2	3	49	5	9
East Malling	/			0		
Starcross (nr Exeter)	21	16	4	49	25	11

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)	0	0	0	2	0	3
Newcastle	*0	0	0	0	0	0
York	0	0		0	1	
Preston	0	0	4	1	1	5
Kirton	16	0	1	28	1	6
Broom's Barn (Bury St Edmunds)	16	1	8	116	1	14
Wellesbourne	*4	0	9	16	0	52
Hereford	10	8	14	24	11	19
Rothamsted (Harpenden)	0	1	2	12	1	3
Writtle	59	77	11	66	80	16
Silwood Park (nr Ascot)	0	0	1	3	2	11
East Malling	/			0		
Starcross (nr Exeter)	1	5	11	9	19	24

Willow-carrot aphid (<i>Cavariella aegopodii</i>)	Bulletin Week Totals			03/06-09/06			Accumulated until			09/06
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18	
Dundee	38	36	34	168	46	53				
Gogarbank (Edinburgh)	36	31	16	281	38	34				
Newcastle	*12	1	11	32	9	24				
York	28	49		583	100					
Preston	49	34	142	476	62	321				
Kirton	21	93	115	253	183	442				
Broom's Barn (Bury St Edmunds)	14	83	173	208	709	610				
Wellesbourne	*49	114	132	508	266	311				
Hereford	58	20	92	259	39	233				
Rothamsted (Harpenden)	8	10	96	187	103	248				
Writtle	21	283	358	52	547	751				
Silwood Park (nr Ascot)	1	36	39	170	196	190				
East Malling	/			0						
Starcross (nr Exeter)	10	22	31	148	88	90				

Pea aphid (<i>Acyrtosiphon pisum</i>)	Bulletin Week Totals			03/06-09/06			Accumulated until			09/06
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18	
Dundee	1	0	0	4	0	0				
Gogarbank (Edinburgh)	1 #	1	1	1	2	1				
Newcastle	*0	1	0	2	2	1				
York	0	3		1	3					
Preston	0	2	1	2	2	2				
Kirton	8	3	3	40	4	5				
Broom's Barn (Bury St Edmunds)	5	3	4	25	5	9				
Wellesbourne	*7	5	3	36	6	14				
Hereford	7	4	7	11	7	14				
Rothamsted (Harpenden)	9	3	5	36	3	14				
Writtle	1	0	8	13	1	17				
Silwood Park (nr Ascot)	1	3	5	26	5	14				
East Malling	/			0						
Starcross (nr Exeter)	1	7	7	24	12	15				

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	1	1	1	5	1	2
Gogarbank (Edinburgh)	0	1	1	8	1	2
Newcastle	*0	0	0	0	0	0
York	0	0		0	0	
Preston	0	2	1	0	2	1
Kirton	0	0	0	1	0	0
Broom's Barn (Bury St Edmunds)	2	2	4	17	13	8
Wellesbourne	*0	1	2	6	2	4
Hereford	0	0	0	8	0	1
Rothamsted (Harpenden)	0	0	1	48	1	3
Writtle	3	1	2	16	1	5
Silwood Park (nr Ascot)	2	4	2	44	4	6
East Malling	/			0		
Starcross (nr Exeter)	5	2	2	12	4	7

Further information

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

insectsurvey.com

ahdb.org.uk/aphid-news

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