

AHDB Aphid News

Suction-trap period 24 June – 30 June 2019

General

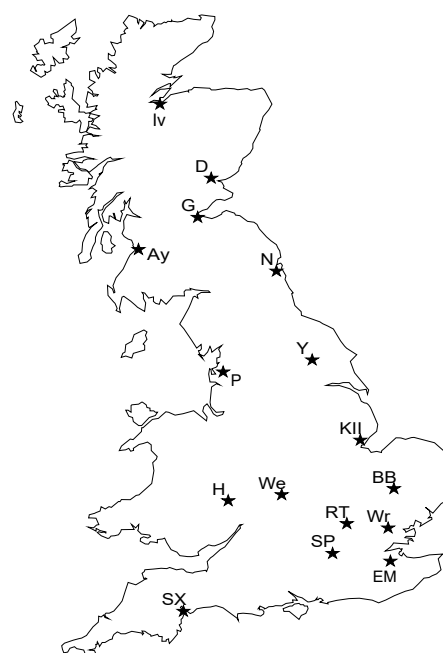
- Despite the continued warm dry weather across Britain, the total number of aphids has decreased to 82% of those recorded in the previous week.
- Total cereal aphid numbers remained similar to that of last week. Grain aphid numbers reached three figures at three sites. Accumulated numbers are mostly 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 decreased to around 50% of last week and reached three figures at York.
- Potato aphid numbers have also decreased to nearly 50% of last week.
- Cabbage aphids decreased to around 40% of last week.
- Four currant–lettuce aphids were recorded from Kirton, as well as one from Dundee.
- Willow–carrot aphids decreased to around 55% of last week across much of England.
- Pea aphid numbers are down only very slightly compared with last week. Combining peas should be sprayed when around 20% of plants are infested and vining peas when 15% are infested. Pea aphids can transmit viruses even with low numbers present.
- Black bean aphid numbers have increased to 135% this week, primarily due to hotspots at Starcross and Wellesbourne, with numbers down at six sites. The threshold for black bean aphid in field and broad beans is 10% colonisation. A lower threshold of 5% infested is advised to prevent virus transmission.
- **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 24/06-30/06			Accumulated until 30/06		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	85	6	11	113	10	19
Gogarbank (Edinburgh)	179	2	16	252	4	56
Newcastle	/	0	9	44	2	16
York	47	8		145	13	
Preston	25	8	49	95	16	128
Kirton	123	13	105	498	20	168
Broom's Barn (Bury St Edmunds)	25	26	88	258	37	179
Wellesbourne	*240	16	32	498	38	71
Hereford	20	1	48	118	27	93
Rothamsted (Harpenden)	23	8	34	186	26	81
Writtle	11	23	43	83	42	106
Silwood Park (nr Ascot)	8	5	11	112	16	48
East Malling	/			0		
Starcross (nr Exeter)	67	7	42	264	57	194

Bird cherry-oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals 24/06-30/06			Accumulated until 30/06		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	16	7	61	45	65	101
Gogarbank (Edinburgh)	37	2	36	57	54	72
Newcastle	/	1	66	9	22	99
York	8	7		244	38	
Preston	13	8	14	179	17	117
Kirton	23	19	88	134	41	279
Broom's Barn (Bury St Edmunds)	15	7	51	185	38	211
Wellesbourne	*82	11	13	235	31	108
Hereford	11	1	13	97	15	63
Rothamsted (Harpenden)	46	3	23	278	27	86
Writtle	38	8	17	161	32	116
Silwood Park (nr Ascot)	27	8	8	159	53	119
East Malling	/			0		
Starcross (nr Exeter)	57	35	17	281	194	157

Grain aphid (<i>Sitobion avenae</i>)	Bulletin Week Totals 24/06-30/06			Accumulated until 30/06		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	35	1	4	61	3	9
Gogarbank (Edinburgh)	36	1	7	74	11	23
Newcastle	/	1	3	15	2	7
York	27	7		79	11	
Preston	20	5	7	68	14	45
Kirton	7	2	9	64	10	20
Broom's Barn (Bury St Edmunds)	26	13	14	117	19	27
Wellesbourne	*51	3	7	104	10	30
Hereford	2	0	9	30	9	24
Rothamsted (Harpenden)	32	1	7	80	8	20
Writtle	16	3	20	59	11	33
Silwood Park (nr Ascot)	20	1	9	52	10	33
East Malling	/			0		
Starcross (nr Exeter)	76	1	12	140	13	45

Peach-potato aphid (<i>Myzus persicae</i>)	Bulletin Week Totals 24/06-30/06			Accumulated until 30/06		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	14	0	3	48	1	7
Gogarbank (Edinburgh)	6	0	4	18	0	9
Newcastle	/	0	14	24	0	19
York	104	6		327	13	
Preston	36	0	5	58	2	23
Kirton	8	15	103	382	28	185
Broom's Barn (Bury St Edmunds)	5	61	158	1247	139	498
Wellesbourne	*79	6	82	559	105	598
Hereford	3	1	32	152	41	153
Rothamsted (Harpenden)	6	24	67	279	59	191
Writtle	9	28	130	195	148	357
Silwood Park (nr Ascot)	0	3	5	47	23	44
East Malling	/			0		
Starcross (nr Exeter)	45	5	10	123	60	71

Potato aphid (<i>Macrosiphum euphorbiae</i>)	Bulletin Week Totals 24/06-30/06			Accumulated until 30/06		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	4	1	2	10	8	8
Gogarbank (Edinburgh)	8	0	2	20	18	21
Newcastle	/	0	1	15	2	7
York	0	3		13	4	
Preston	0	2	3	102	11	19
Kirton	0	0	3	23	5	18
Broom's Barn (Bury St Edmunds)	8	0	3	41	2	11
Wellesbourne	*28	1	6	159	4	26
Hereford	21	0	9	141	3	34
Rothamsted (Harpenden)	0	0	3	65	3	11
Writtle	2	1	5	43	13	26
Silwood Park (nr Ascot)	0	0	2	66	5	14
East Malling	/			0		
Starcross (nr Exeter)	13	1	3	94	39	24

Cabbage aphid (<i>Brevicoryne brassicae</i>)	Bulletin Week Totals 24/06-30/06			Accumulated until 30/06		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	0	0	0	0	1
Gogarbank (Edinburgh)	0	0	0	4	0	4
Newcastle	/	0	1	5	0	1
York	0	4		4	5	
Preston	4	0	1	5	1	17
Kirton	0	0	10	44	3	23
Broom's Barn (Bury St Edmunds)	0	1	4	117	4	25
Wellesbourne	*9	3	121	50	4	444
Hereford	0	1	18	27	18	141
Rothamsted (Harpenden)	0	2	5	13	4	9
Writtle	2	11	11	100	130	45
Silwood Park (nr Ascot)	2	2	1	5	5	16
East Malling	/			0		
Starcross (nr Exeter)	5	40	12	16	72	77

Willow-carrot aphid (<i>Cavariella aegopodii</i>)	Bulletin Week Totals 24/06-30/06			Accumulated until 30/06		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	4	0	5	178	64	79
Gogarbank (Edinburgh)	2	0	12	297	52	91
Newcastle	/	2	22	41	12	78
York	19	26		624	149	
Preston	23	3	27	551	79	535
Kirton	19	14	82	291	239	696
Broom's Barn (Bury St Edmunds)	6	11	66	244	739	847
Wellesbourne	*42	13	66	611	296	580
Hereford	27	1	25	365	45	318
Rothamsted (Harpenden)	10	3	46	226	115	410
Writtle	1	10	52	112	579	952
Silwood Park (nr Ascot)	4	2	12	209	212	284
East Malling	/			0		
Starcross (nr Exeter)	26	2	20	223	119	146

Pea aphid (<i>Acyrtosiphon pisum</i>)	Bulletin Week Totals 24/06-30/06			Accumulated until 30/06		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	14	3	1	22	3	2
Gogarbank (Edinburgh)	3	0	1	4	2	4
Newcastle	/	1	2	7	3	3
York	8	2		25	10	
Preston	3	6	1	5	13	5
Kirton	39	9	26	131	18	47
Broom's Barn (Bury St Edmunds)	10	11	20	86	27	58
Wellesbourne	*33	8	16	99	20	57
Hereford	11	0	5	28	11	30
Rothamsted (Harpenden)	22	23	18	103	36	54
Writtle	20	14	21	77	22	64
Silwood Park (nr Ascot)	5	1	3	58	15	34
East Malling	/			0		
Starcross (nr Exeter)	15	4	6	49	21	40

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals 24/06-30/06			Accumulated until 30/06		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	1	0	0	6	1	3
Gogarbank (Edinburgh)	1	0	0	11	2	4
Newcastle	/	0	1	0	0	1
York	0	0		0	2	
Preston	0	0	3	3	2	5
Kirton	3	5	3	12	5	5
Broom's Barn (Bury St Edmunds)	1	9	14	38	32	32
Wellesbourne	*103	2	20	145	6	38
Hereford	36	0	1	76	1	3
Rothamsted (Harpenden)	24	18	33	157	19	50
Writtle	14	19	62	101	27	75
Silwood Park (nr Ascot)	14	6	7	133	17	24
East Malling	/			0		
Starcross (nr Exeter)	182	12	19	217	36	55

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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