

AHDB Aphid News

Suction-trap period 08 July – 14 July 2019

General

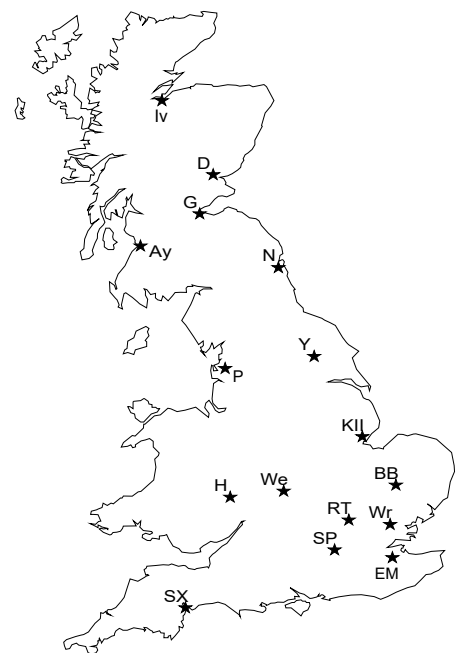
- During this period, warm, dry weather continued across Britain, and cereal and OSR harvest began.
- The total number of aphids increased to nearly 150% of those recorded in the previous week.
- Total cereal aphid numbers have increased to nearly 180% of last week, hotspots were recorded from Dundee and Gogarbank. Accumulated numbers are mostly above the 10-year mean. However, the risk to crops is passing for this season.
- Peach–potato aphids also increased to nearly 110% of last week in Northern Britain.
- Potato aphid numbers almost halved compared to last week, with increases at only Gogarbank and Preston.
- Cabbage aphids also declined to 80%, with a reduced but still evident hotspot at Writtle.
- Single currant–lettuce aphids were recorded from Scottish sites at Inverness and Ayr (not included here).
- Willow–carrot aphids increased at seven sites.
- Pea aphid numbers increased to 144% of last week, with a continued hotspot at Dundee. 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.
- Total black bean aphid numbers have decreased to 55% of last week, over much of England but increased at Preston. 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			Accumulated until		
	2019	2018	08/07-14/07 10-year average 2009-18	2019	2018	14/07 10-year average 2009-18
Dundee	795	515	132	1403	542	179
Gogarbank (Edinburgh)	140	63	167	486	80	271
Newcastle	15	12	18	66	19	55
York	7	44		252	95	
Preston	6	61	27	105	110	297
Kirton	16	27	381	557	58	734
Broom's Barn (Bury St Edmunds)	2	178	211	268	290	602
Wellesbourne	7	86	98	551	180	255
Hereford	7	73	128	130	130	307
Rothamsted (Harpenden)	8	70	167	198	149	317
Writtle	*5	136	154	89	290	372
Silwood Park (nr Ascot)	2	16	22	116	113	99
East Malling	/			0		
Starcross (nr Exeter)	17	11	21	293	74	266

Bird cherry-oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	08/07-14/07 10-year average 2009-18	2019	2018	14/07 10-year average 2009-18
Dundee	344	1245	321	491	1381	531
Gogarbank (Edinburgh)	156	193	396	227	284	554
Newcastle	12	111	76	28	166	238
York	9	76		285	155	
Preston	4	30	13	201	59	154
Kirton	40	38	163	214	103	526
Broom's Barn (Bury St Edmunds)	13	43	157	223	102	597
Wellesbourne	60	90	28	349	137	143
Hereford	21	8	45	139	28	155
Rothamsted (Harpenden)	20	24	85	319	60	251
Writtle	*35	43	115	233	107	349
Silwood Park (nr Ascot)	14	21	27	191	105	153
East Malling	/			0		
Starcross (nr Exeter)	53	59	25	411	275	216

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	582	53	29	737	63	43
Gogarbank (Edinburgh)	66	28	70	167	43	117
Newcastle	9	20	17	29	35	30
York	77	50		206	88	
Preston	40	48	79	128	94	144
Kirton	30	26	328	120	46	427
Broom's Barn (Bury St Edmunds)	7	217	246	149	355	488
Wellesbourne	13	42	108	131	56	153
Hereford	4	52	116	41	67	197
Rothamsted (Harpenden)	23	87	353	120	111	446
Writtle	*23	214	296	100	247	476
Silwood Park (nr Ascot)	14	42	38	76	76	85
East Malling	/			0		
Starcross (nr Exeter)	33	40	33	194	60	130

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	66	1	5	131	2	14
Gogarbank (Edinburgh)	27	1	5	50	1	16
Newcastle	8	0	6	35	0	32
York	10	30		361	57	
Preston	6	16	72	64	53	116
Kirton	2	81	172	390	116	597
Broom's Barn (Bury St Edmunds)	0	665	161	1250	842	864
Wellesbourne	5	282	71	576	483	738
Hereford	0	339	67	181	433	266
Rothamsted (Harpenden)	0	337	130	284	455	394
Writtle	*0	395	157	195	603	648
Silwood Park (nr Ascot)	0	32	10	49	68	57
East Malling	/			0		
Starcross (nr Exeter)	6	54	59	143	139	160

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	3	8	2	16	16	11
Gogarbank (Edinburgh)	3	7	13	23	27	39
Newcastle	1	1	1	18	4	10
York	0	0		13	4	
Preston	2	0	4	104	12	28
Kirton	0	1	20	23	7	52
Broom's Barn (Bury St Edmunds)	0	0	3	41	2	27
Wellesbourne	0	0	2	162	4	32
Hereford	6	2	15	163	5	61
Rothamsted (Harpenden)	0	4	4	65	8	18
Writtle	*0	0	3	43	13	35
Silwood Park (nr Ascot)	0	0	1	66	5	16
East Malling	/			0		
Starcross (nr Exeter)	0	1	3	97	41	30

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	1
Gogarbank (Edinburgh)	0	1	0	4	1	4
Newcastle	2	2	1	7	2	3
York	0	6		4	12	
Preston	6	1	2	15	3	20
Kirton	2	16	56	50	22	136
Broom's Barn (Bury St Edmunds)	0	160	28	119	173	82
Wellesbourne	0	101	120	52	126	669
Hereford	2	359	69	29	432	250
Rothamsted (Harpenden)	3	92	22	17	112	42
Writtle	*14	772	108	138	983	191
Silwood Park (nr Ascot)	0	44	10	5	83	32
East Malling	/			0		
Starcross (nr Exeter)	5	31	15	26	114	130

Willow-carrot aphid (<i>Cavariella aegopodii</i>)	Bulletin Week Totals 08/07-14/07			Accumulated until 14/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	2	1	1	180	66	81
Gogarbank (Edinburgh)	1	1	9	301	53	107
Newcastle	4	8	8	45	23	99
York	7	0		673	163	
Preston	6	4	20	559	92	589
Kirton	4	0	20	299	239	836
Broom's Barn (Bury St Edmunds)	2	4	16	252	754	922
Wellesbourne	14	10	4	634	318	624
Hereford	9	0	14	379	50	346
Rothamsted (Harpenden)	2	0	10	229	132	452
Writtle	*5	2	7	118	590	994
Silwood Park (nr Ascot)	0	0	1	214	234	293
East Malling	/			0		
Starcross (nr Exeter)	0	6	7	230	126	166

Pea aphid (<i>Acyrtosiphon pisum</i>)	Bulletin Week Totals 08/07-14/07			Accumulated until 14/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	75	30	5	123	33	8
Gogarbank (Edinburgh)	5	6	12	12	10	18
Newcastle	0	6	3	7	9	7
York	2	16		27	42	
Preston	2	9	17	7	26	27
Kirton	0	27	117	145	54	222
Broom's Barn (Bury St Edmunds)	2	97	67	97	141	170
Wellesbourne	4	106	102	117	148	174
Hereford	2	36	17	30	76	60
Rothamsted (Harpenden)	27	110	58	139	208	150
Writtle	*5	118	89	94	178	223
Silwood Park (nr Ascot)	7	12	7	67	53	47
East Malling	/			0		
Starcross (nr Exeter)	2	9	12	52	36	65

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	08/07-14/07 10-year average 2009-18	2019	2018	14/07 10-year average 2009-18
Dundee	2	6	2	10	8	5
Gogarbank (Edinburgh)	0	2	2	11	4	6
Newcastle	0	0	1	0	0	3
York	0	0		2	3	
Preston	6	2	12	9	6	21
Kirton	8	3	59	35	13	101
Broom's Barn (Bury St Edmunds)	0	29	116	41	62	214
Wellesbourne	34	15	57	214	30	162
Hereford	8	13	34	135	24	65
Rothamsted (Harpenden)	6	30	94	177	86	212
Writtle	*5	47	90	117	100	242
Silwood Park (nr Ascot)	7	13	14	152	57	55
East Malling	/			0		
Starcross (nr Exeter)	16	7	15	254	49	76

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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