

AHDB Aphid News

Suction-trap period 15 July to 21 July 2019

General

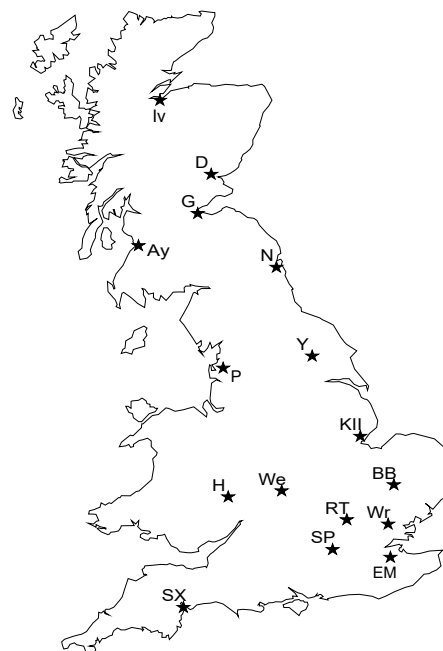
- Hot, dry weather continued across Britain this reporting week, along with the cereal and OSR harvest.
- The total number of aphids decreased to 37% of those recorded in the previous week.
- Total cereal aphid numbers also decreased to 37% of last week. Hotspots remain at Dundee but numbers are declining. The risk to crops is passing for this season.
- Peach–potato aphids have decreased to half of the previous week. A hotspot at Dundee remains but numbers are declining.
- Potato aphid numbers have decreased to 60% of last week, increasing at only three sites.
- Cabbage aphids also declined to two thirds of last week, with a further decline in the hotspot at Writtle.
- Single currant–lettuce aphids were recorded at Writtle and Starcross.
- Willow–carrot aphids decreased to a quarter of last week, increasing at only Silwood and Starcross.
- Pea aphid numbers decreased to around 20% of last week, increasing at only Newcastle. 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 around 40% of last week. There was, however, an increase at York and a hotspot at Starcross. 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 15/07-21/07			Accumulated until 21/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	131	2901	504	1534	3926	955
Gogarbank (Edinburgh)	11	121	95	497	278	481
Newcastle	6	25	44	72	65	123
York	4	42		256	205	
Preston	0	9	2	105	146	318
Kirton	2	130	147	559	228	1207
Broom's Barn (Bury St Edmunds)	9	15	61	277	345	963
Wellesbourne	6	5	19	557	255	302
Hereford	4	11	33	134	191	496
Rothamsted (Harpenden)	1	2	24	199	188	594
Writtle	9	7	30	98	355	573
Silwood Park (nr Ascot)	2	0	2	118	121	131
East Malling	/			0		
Starcross (nr Exeter)	16	5	8	309	84	293

Bird cherry-oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals 15/07-21/07			Accumulated until 21/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	187	4218	656	678	6931	1580
Gogarbank (Edinburgh)	23	337	88	250	1307	795
Newcastle	13	51	39	41	374	333
York	4	22		289	216	
Preston	0	5	10	201	82	179
Kirton	5	43	42	219	184	657
Broom's Barn (Bury St Edmunds)	7	45	42	230	180	726
Wellesbourne	37	28	61	386	229	232
Hereford	28	2	45	167	33	244
Rothamsted (Harpenden)	11	9	45	330	100	365
Writtle	12	43	39	245	182	442
Silwood Park (nr Ascot)	1	14	25	192	140	194
East Malling	/			0		
Starcross (nr Exeter)	51	7	103	462	296	363

Grain aphid (<i>Sitobion avenae</i>)	Bulletin Week Totals 15/07-21/07			Accumulated until 21/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	262	956	208	999	1267	348
Gogarbank (Edinburgh)	12	74	41	179	177	200
Newcastle	5	95	28	34	174	74
York	20	480		226	954	
Preston	14	42	16	142	243	192
Kirton	4	271	159	124	400	903
Broom's Barn (Bury St Edmunds)	13	87	91	162	528	805
Wellesbourne	7	35	113	138	198	328
Hereford	5	50	86	46	191	485
Rothamsted (Harpenden)	9	31	98	129	230	891
Writtle	21	152	109	121	589	828
Silwood Park (nr Ascot)	7	20	23	83	206	213
East Malling	/			0		
Starcross (nr Exeter)	51	9	41	245	112	231

Peach-potato aphid (<i>Myzus persicae</i>)	Bulletin Week Totals 15/07-21/07			Accumulated until 21/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	43	14	4	174	21	22
Gogarbank (Edinburgh)	7	6	1	57	7	20
Newcastle	6	22	4	41	44	41
York	2	228		363	397	
Preston	0	13	3	64	148	129
Kirton	0	372	58	390	560	769
Broom's Barn (Bury St Edmunds)	1	123	51	1251	1141	1009
Wellesbourne	1	14	8	577	961	827
Hereford	3	38	15	184	735	320
Rothamsted (Harpenden)	1	12	74	285	559	536
Writtle	0	22	34	195	827	810
Silwood Park (nr Ascot)	0	10	3	49	113	72
East Malling	/			0		
Starcross (nr Exeter)	3	2	12	146	145	178

Potato aphid (<i>Macrosiphum euphorbiae</i>)	Bulletin Week Totals 15/07-21/07			Accumulated until 21/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	5	60	11	21	104	29
Gogarbank (Edinburgh)	1	10	4	24	52	48
Newcastle	0	4	3	18	11	14
York	0	6		13	14	
Preston	0	2	1	104	14	29
Kirton	0	2	1	23	9	58
Broom's Barn (Bury St Edmunds)	0	0	1	41	3	31
Wellesbourne	0	3	3	162	9	37
Hereford	0	2	9	163	7	87
Rothamsted (Harpenden)	2	1	2	67	13	22
Writtle	0	0	1	43	15	39
Silwood Park (nr Ascot)	0	0	1	66	5	17
East Malling	/			0		
Starcross (nr Exeter)	1	0	0	98	41	32

Cabbage aphid (<i>Brevicoryne brassicae</i>)	Bulletin Week Totals 15/07-21/07			Accumulated until 21/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	2	0	0	3	1
Gogarbank (Edinburgh)	0	1	0	4	2	5
Newcastle	1	9	1	8	12	4
York	0	140		4	242	
Preston	0	27	3	15	42	25
Kirton	1	58	11	51	96	172
Broom's Barn (Bury St Edmunds)	2	64	21	121	302	145
Wellesbourne	1	124	50	53	507	854
Hereford	0	107	31	29	807	347
Rothamsted (Harpenden)	1	12	14	18	193	80
Writtle	11	60	21	149	1449	291
Silwood Park (nr Ascot)	0	9	7	5	114	51
East Malling	/			0		
Starcross (nr Exeter)	5	32	16	31	182	169

Willow-carrot aphid (<i>Cavariella aegopodii</i>)	Bulletin Week Totals 15/07-21/07			Accumulated until 21/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	5	3	180	76	88
Gogarbank (Edinburgh)	0	1	2	301	56	110
Newcastle	1	1	2	46	24	105
York	0	0		673	171	
Preston	0	2	1	559	96	596
Kirton	2	2	3	301	243	846
Broom's Barn (Bury St Edmunds)	1	4	4	253	758	935
Wellesbourne	1	1	0	635	323	626
Hereford	3	0	2	382	50	357
Rothamsted (Harpenden)	0	0	3	229	133	462
Writtle	2	0	2	120	590	1004
Silwood Park (nr Ascot)	1	0	1	215	235	294
East Malling	/			0		
Starcross (nr Exeter)	3	0	2	233	127	178

Pea aphid (<i>Acyrtosiphon pisum</i>)	Bulletin Week Totals 15/07-21/07			Accumulated until 21/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	13	113	15	136	227	38
Gogarbank (Edinburgh)	0	19	5	12	33	28
Newcastle	1	11	6	8	29	16
York	0	72		27	133	
Preston	0	1	0	7	41	30
Kirton	0	612	237	145	781	618
Broom's Barn (Bury St Edmunds)	2	78	90	99	301	441
Wellesbourne	2	11	76	119	266	287
Hereford	0	3	19	30	98	105
Rothamsted (Harpenden)	5	29	38	144	320	300
Writtle	3	87	87	97	454	521
Silwood Park (nr Ascot)	0	8	11	67	121	77
East Malling	/			0		
Starcross (nr Exeter)	2	1	10	54	39	80

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals 15/07-21/07			Accumulated until 21/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	2	146	21	12	189	33
Gogarbank (Edinburgh)	0	6	4	11	14	13
Newcastle	0	1	3	0	1	11
York	2	20		4	45	
Preston	0	0	2	9	10	27
Kirton	2	50	16	37	89	173
Broom's Barn (Bury St Edmunds)	0	22	14	41	88	257
Wellesbourne	2	4	21	216	44	213
Hereford	1	2	26	136	33	118
Rothamsted (Harpenden)	1	8	27	178	98	341
Writtle	4	12	12	121	125	297
Silwood Park (nr Ascot)	1	4	15	153	133	91
East Malling	/			0		
Starcross (nr Exeter)	21	2	3	275	53	93

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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