

AHDB Aphid News

Suction-trap period 1 July to 7 July 2019

General

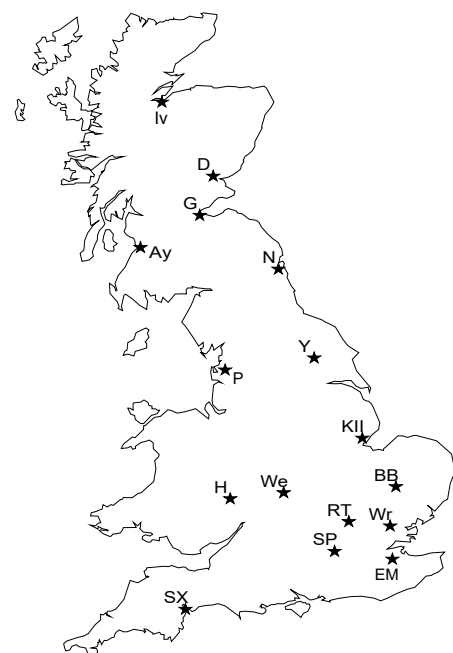
- Warm, dry weather continued across Britain. However, the total number of aphids decreased to 79% of numbers recorded in the previous week.
- Total cereal aphid numbers remained similar to the previous week, with hotspots recorded at Dundee and York. Accumulated numbers are mostly above the 10-year mean. Spray thresholds 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 38% of last week.
- Potato aphid numbers have also decreased to a third of last week.
- Cabbage aphids recorded a hotspot at Writtle.
- Two currant–lettuce aphids were recorded from York.
- Willow–carrot aphids decreased to just under half of last week.
- Pea aphid numbers halved compared with last week across much of Britain but rose 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 44% of last week, with a substantial reduction in in this week’s Wellesbourne and Starcross numbers. 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	01/07-07/07 10-year average 2009-18	2019	2018	07/07 10-year average 2009-18
Dundee	495	17	28	608	27	47
Gogarbank (Edinburgh)	94	13	48	346	17	104
Newcastle	*7	5	20	51	7	37
York	100	38		245	51	
Preston	4	33	142	99	49	271
Kirton	43	11	185	541	31	353
Broom's Barn (Bury St Edmunds)	8	75	212	266	112	391
Wellesbourne	*47	56	86	544	94	157
Hereford	5	30	86	123	57	179
Rothamsted (Harpenden)	4	53	69	190	79	150
Writtle	1	112	112	84	154	218
Silwood Park (nr Ascot)	2	81	30	114	97	78
East Malling	/			0		
Starcross (nr Exeter)	*12	6	51	276	63	245

Bird cherry-oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	01/07-07/07 10-year average 2009-18	2019	2018	07/07 10-year average 2009-18
Dundee	102	71	109	147	136	211
Gogarbank (Edinburgh)	14	37	86	71	91	158
Newcastle	*7	33	63	16	55	162
York	32	41		276	79	
Preston	18	12	24	197	29	141
Kirton	40	24	84	174	65	363
Broom's Barn (Bury St Edmunds)	25	21	229	210	59	440
Wellesbourne	*54	16	6	289	47	114
Hereford	21	5	47	118	20	110
Rothamsted (Harpenden)	21	9	80	299	36	165
Writtle	37	32	119	198	64	235
Silwood Park (nr Ascot)	18	31	7	177	84	126
East Malling	/			0		
Starcross (nr Exeter)	*77	22	34	358	216	192

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	94	7	4	155	10	13
Gogarbank (Edinburgh)	27	4	24	101	15	47
Newcastle	*5	13	6	20	15	13
York	50	27		129	38	
Preston	20	32	20	88	46	65
Kirton	26	10	79	90	20	99
Broom's Barn (Bury St Edmunds)	25	119	216	142	138	243
Wellesbourne	*14	4	15	118	14	45
Hereford	7	6	57	37	15	81
Rothamsted (Harpenden)	17	16	74	97	24	93
Writtle	17	22	147	76	33	180
Silwood Park (nr Ascot)	10	24	14	62	34	47
East Malling	/			0		
Starcross (nr Exeter)	*21	7	52	161	20	97

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	17	0	2	65	1	9
Gogarbank (Edinburgh)	5	0	2	23	0	11
Newcastle	*2	0	6	27	0	26
York	24	14		351	27	
Preston	0	35	21	58	37	44
Kirton	6	7	239	388	35	425
Broom's Barn (Bury St Edmunds)	3	38	205	1250	177	703
Wellesbourne	*12	96	68	571	201	666
Hereford	29	53	46	181	94	199
Rothamsted (Harpenden)	5	59	73	284	118	264
Writtle	0	60	134	195	208	491
Silwood Park (nr Ascot)	2	13	3	49	36	47
East Malling	/			0		
Starcross (nr Exeter)	*14	25	30	137	85	101

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	0	1	13	8	9
Gogarbank (Edinburgh)	0	2	5	20	20	26
Newcastle	*2	1	1	17	3	9
York	0	0		13	4	
Preston	0	1	4	102	12	23
Kirton	0	1	14	23	6	32
Broom's Barn (Bury St Edmunds)	0	0	13	41	2	25
Wellesbourne	*2	0	3	162	4	29
Hereford	16	0	12	157	3	46
Rothamsted (Harpenden)	0	1	3	65	4	14
Writtle	0	0	6	43	13	32
Silwood Park (nr Ascot)	0	0	1	66	5	15
East Malling	/			0		
Starcross (nr Exeter)	*4	1	3	97	40	27

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	0	0	4	0	4
Newcastle	*0	0	1	5	0	2
York	0	1		4	6	
Preston	4	1	1	9	2	18
Kirton	4	3	56	48	6	80
Broom's Barn (Bury St Edmunds)	2	9	29	119	13	54
Wellesbourne	*2	21	106	52	25	550
Hereford	0	55	41	27	73	182
Rothamsted (Harpenden)	1	16	11	14	20	21
Writtle	24	81	39	124	211	84
Silwood Park (nr Ascot)	0	34	6	5	39	22
East Malling	/			0		
Starcross (nr Exeter)	*5	11	38	21	83	115

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	0	1	1	178	65	80
Gogarbank (Edinburgh)	3	0	8	300	52	98
Newcastle	*0	3	12	41	15	91
York	42	14		666	163	
Preston	2	9	35	553	88	569
Kirton	4	0	121	295	239	816
Broom's Barn (Bury St Edmunds)	6	11	59	250	750	906
Wellesbourne	*9	12	40	620	308	620
Hereford	5	5	14	370	50	332
Rothamsted (Harpenden)	1	17	32	227	132	442
Writtle	1	9	35	113	588	987
Silwood Park (nr Ascot)	5	22	8	214	234	292
East Malling	/			0		
Starcross (nr Exeter)	*7	1	14	230	120	160

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	26	0	0	48	3	3
Gogarbank (Edinburgh)	3	2	2	7	4	6
Newcastle	*0	0	1	7	3	4
York	0	16		25	26	
Preston	0	4	5	5	17	10
Kirton	14	9	58	145	27	105
Broom's Barn (Bury St Edmunds)	9	17	45	95	44	103
Wellesbourne	*14	22	15	113	42	72
Hereford	0	29	14	28	40	44
Rothamsted (Harpenden)	9	62	38	112	98	92
Writtle	13	38	70	90	60	134
Silwood Park (nr Ascot)	2	26	6	60	41	40
East Malling	/			0		
Starcross (nr Exeter)	*2	6	12	50	27	52

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	01/07-07/07 10-year average 2009-18	2019	2018	07/07 10-year average 2009-18
Dundee	2	1	0	8	2	3
Gogarbank (Edinburgh)	0	0	0	11	2	4
Newcastle	*0	0	1	0	0	2
York	2 #	1		2	3	
Preston	0	2	4	3	4	9
Kirton	15	5	38	27	10	42
Broom's Barn (Bury St Edmunds)	3	1	65	41	33	98
Wellesbourne	*35	9	67	180	15	105
Hereford	51	10	27	127	11	30
Rothamsted (Harpenden)	14	37	67	171	56	118
Writtle	11	26	77	112	53	152
Silwood Park (nr Ascot)	12	27	17	145	44	42
East Malling	/			0		
Starcross (nr Exeter)	*21	6	6	238	42	61

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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