

AHDB Aphid News

Suction-trap period 02 September – 08 September 2019

General

- Seasonally average weather has persisted as the harvest draws to a close this bulletin week. The total number of reported aphids has increased to over 140% of last week.
- Total cereal aphid numbers have also increased to nearly 140% of that of last week. Hotspots for bird cherry-oat aphids are still present at Scottish sites as well as in Northern England this week; however, the risk to crops is passing for this season.
- Peach-potato aphids were recorded from six sites this week, increasing at five. We have also received field reports from Zantra of this species on kale crops in Kent.
- No potato aphids were recorded this week.
- A single cabbage aphid was found at Silwood Park. Zantra also report finding this species on kale crops in Kent.
- One currant-lettuce aphid was recorded from Inverness (not shown here).
- Willow-carrot aphids were found at Dundee this week, reaching double figures.
- Single pea aphids were recorded this week from York and Preston. The risk to crops is passing for this season.
- Single black bean aphids were recorded this week from five sites. The risk to crops is passing for this season.

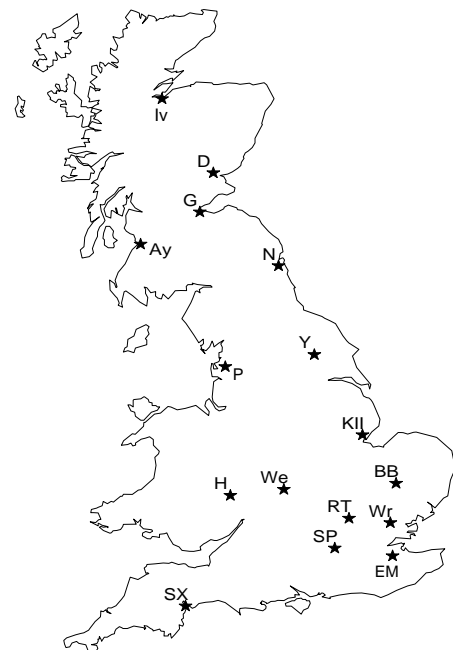
Monitoring vulnerable crops is still advised.

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 02/09-08/09			Accumulated until 08/09		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	0	0	1556	4178	1120
Gogarbank (Edinburgh)	0	1	0	502	361	543
Newcastle	1	0	1	87	78	255
York	0	0		260	232	
Preston	0	0	0	105	148	330
Kirton	0	0	0	566	260	1549
Broom's Barn (Bury St Edmunds)	0	0	0	277	347	1079
Wellesbourne	0	0	0	567	262	317
Hereford	0	0	1	145	203	545
Rothamsted (Harpenden)	0	0	0	199	190	621
Writtle	0	0	0	99	355	655
Silwood Park (nr Ascot)	0	0	0	121	121	133
East Malling	/			0		
Starcross (nr Exeter)	0	0	0	313	89	303

Bird cherry-oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals 02/09-08/09			Accumulated until 08/09		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	378	39	131	2726	7613	2291
Gogarbank (Edinburgh)	231	71	283	1487	1911	1709
Newcastle	94	71	109	417	604	816
York	161	57		605	348	
Preston	134	554	269	502	718	651
Kirton	0	22	22	246	261	974
Broom's Barn (Bury St Edmunds)	11	20	32	271	242	946
Wellesbourne	36	66	86	559	348	599
Hereford	42	61	87	321	218	758
Rothamsted (Harpenden)	10	15	29	401	134	612
Writtle	16	25	26	345	247	605
Silwood Park (nr Ascot)	17	10	29	276	158	325
East Malling	/			0		

Bird cherry-oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals 02/09-08/09			Accumulated until 08/09		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Starcross (nr Exeter)	84	47	63	703	364	708

Grain aphid (<i>Sitobion avenae</i>)	Bulletin Week Totals 02/09-08/09			Accumulated until 08/09		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	1	0	7	1249	1641	572
Gogarbank (Edinburgh)	0	2	6	286	401	371
Newcastle	0	0	4	108	267	205
York	0	0		269	1556	
Preston	1	0	2	175	345	283
Kirton	0	0	1	134	515	1365
Broom's Barn (Bury St Edmunds)	0	0	1	173	557	1002
Wellesbourne	0	0	5	167	226	412
Hereford	0	0	4	73	244	752
Rothamsted (Harpenden)	0	0	1	142	262	1069
Writtle	0	0	1	135	623	1073
Silwood Park (nr Ascot)	0	0	0	93	211	230
East Malling	/			0		
Starcross (nr Exeter)	0	0	0	272	125	280

Peach-potato aphid (<i>Myzus persicae</i>)	Bulletin Week Totals 02/09-08/09			Accumulated until 08/09		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	1	2	3	194	69	42
Gogarbank (Edinburgh)	2	0	0	67	31	25
Newcastle	1	1	1	45	67	48
York	1	0		367	454	
Preston	0	0	1	64	152	134
Kirton	0	3	1	393	984	879
Broom's Barn (Bury St Edmunds)	1	0	1	1252	1151	1093
Wellesbourne	0	0	2	577	961	834
Hereford	2	2	1	187	750	348
Rothamsted (Harpenden)	0	0	0	286	560	564
Writtle	0	0	0	196	833	863
Silwood Park (nr Ascot)	0	0	0	49	113	73
East Malling	/			0		
Starcross (nr Exeter)	0	1	1	150	147	185

Potato aphid <i>(Macrosiphum euphorbiae)</i>	Bulletin Week Totals 02/09-08/09			Accumulated until 08/09		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	0	0	21	130	47
Gogarbank (Edinburgh)	0	0	0	24	67	60
Newcastle	0	0	0	18	15	22
York	0	0		13	26	
Preston	0	0	1	104	14	31
Kirton	0	0	0	23	9	65
Broom's Barn (Bury St Edmunds)	0	0	0	41	3	34
Wellesbourne	0	0	0	162	10	39
Hereford	0	0	0	163	7	114
Rothamsted (Harpenden)	0	0	0	67	13	24
Writtle	0	0	0	43	15	42
Silwood Park (nr Ascot)	0	0	1	66	5	18
East Malling	/			0		
Starcross (nr Exeter)	0	0	1	98	42	35

Cabbage aphid <i>(Brevicoryne brassicae)</i>	Bulletin Week Totals 02/09-08/09			Accumulated until 08/09		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	0	0	0	4	2
Gogarbank (Edinburgh)	0	3	0	4	17	6
Newcastle	0	0	0	8	42	7
York	0	0		5	416	
Preston	0	0	0	15	101	32
Kirton	0	1	1	51	283	199
Broom's Barn (Bury St Edmunds)	0	0	0	121	317	164
Wellesbourne	0	0	0	55	523	874
Hereford	0	0	4	31	827	389
Rothamsted (Harpenden)	0	0	1	18	198	102
Writtle	0	0	0	150	1454	330
Silwood Park (nr Ascot)	1	0	0	8	123	55
East Malling	/			0		
Starcross (nr Exeter)	0	0	1	36	198	238

Willow-carrot aphid (<i>Cavariella aegopodii</i>)	Bulletin Week Totals 02/09-08/09			Accumulated until 08/09		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	22	9	9	208	95	112
Gogarbank (Edinburgh)	0	0	0	303	58	114
Newcastle	0	0	0	46	26	110
York	0	0		674	174	
Preston	0	0	3	562	100	608
Kirton	0	1	1	303	244	856
Broom's Barn (Bury St Edmunds)	0	0	3	254	758	943
Wellesbourne	0	0	0	636	323	627
Hereford	0	0	0	385	52	360
Rothamsted (Harpenden)	0	0	1	229	134	465
Writtle	0	0	0	120	590	1005
Silwood Park (nr Ascot)	0	0	0	215	235	295
East Malling	/			0		
Starcross (nr Exeter)	0	0	0	235	127	180

Pea aphid (<i>Acyrtosiphon pisum</i>)	Bulletin Week Totals 02/09-08/09			Accumulated until 08/09		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	0	0	138	296	60
Gogarbank (Edinburgh)	0	0	0	15	75	47
Newcastle	0	0	0	8	67	48
York	1	0		35	342	
Preston	1	1	0	9	49	35
Kirton	0	0	0	151	968	1149
Broom's Barn (Bury St Edmunds)	0	0	1	102	324	630
Wellesbourne	0	2	2	124	274	319
Hereford	0	1	1	32	121	134
Rothamsted (Harpenden)	0	0	0	148	331	447
Writtle	0	1	3	103	465	729
Silwood Park (nr Ascot)	0	0	0	70	125	87
East Malling	/			0		
Starcross (nr Exeter)	0	0	1	60	40	90

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals 02/09-08/09			Accumulated until 08/09		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	1	1	1	17	360	72
Gogarbank (Edinburgh)	1	2	5	17	55	63
Newcastle	1	0	5	2	10	54
York	0	0		4	54	
Preston	1	0	2	10	21	34
Kirton	0	1	1	37	98	207
Broom's Barn (Bury St Edmunds)	0	0	1	41	96	270
Wellesbourne	0	1	1	217	45	219
Hereford	0	0	2	141	44	143
Rothamsted (Harpenden)	0	1	0	180	102	361
Writtle	0	1	0	121	126	313
Silwood Park (nr Ascot)	1	0	0	155	133	92
East Malling	/			0		
Starcross (nr Exeter)	1	0	0	279	54	97

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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