

AHDB Aphid News

Suction-trap period 29 July – 4 August 2019

General

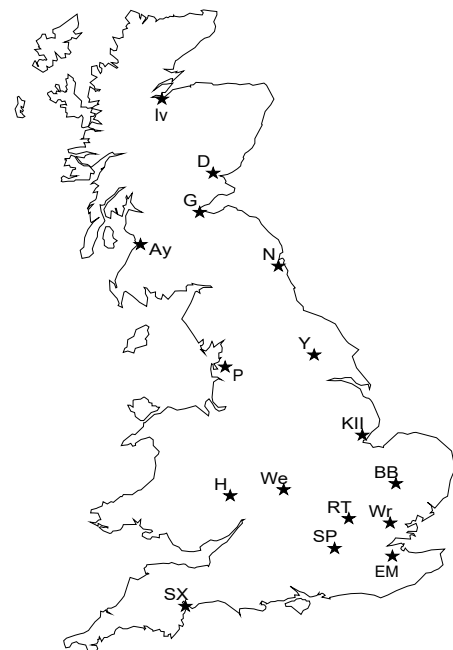
- Although the wetter weather hampered harvest in some parts of Britain this reporting week, the total number of aphids has increased to 131% of those reported last week.
- Total cereal aphid numbers have also increased to 139% of last week. This is solely attributable to a doubling of bird cherry–oat aphid numbers. Hotspots remain across Scottish sites. The risk to crops is passing for this season.
- Peach–potato aphids decreased to around half of last week, decreasing across Britain.
- No potato aphids were recorded this week.
- Cabbage aphids declined to 57% of last week, increasing at only York, Wellesbourne and Writtle.
- Single currant–lettuce aphids were recorded from Inverness (not included here), Dundee and Starcross.
- Four willow–carrot aphids were recorded this week; one each from Preston and Wellesbourne, as well as two from Hereford.
- Pea aphid numbers decreased to around 77% of last week, increasing at five sites. 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.
- Three black bean aphids were recorded this week, increasing at only Wellesbourne. 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 vulnerable 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	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	3	50	43	1550	4168	1113
Gogarbank (Edinburgh)	0	17	12	499	346	535
Newcastle	5	3	72	81	78	226
York	3	3		260	232	
Preston	0	0	1	105	148	327
Kirton	2	2	149	566	260	1541
Broom's Barn (Bury St Edmunds)	0	0	24	277	347	1074
Wellesbourne	6	1	3	565	262	315
Hereford	*2	3	10	143	201	536
Rothamsted (Harpenden)	0	0	6	199	190	620
Writtle	0	0	9	99	355	654
Silwood Park (nr Ascot)	1	0	1	120	121	133
East Malling	/			0		
Starcross (nr Exeter)	1	1	2	313	89	302

Bird cherry-oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	506	93	121	1336	7396	1864
Gogarbank (Edinburgh)	181	35	93	489	1646	1004
Newcastle	46	21	58	135	436	426
York	19	1		322	256	
Preston	40	4	20	252	86	213
Kirton	14	3	104	245	217	837
Broom's Barn (Bury St Edmunds)	0	5	44	234	200	811
Wellesbourne	14	6	28	422	237	318
Hereford	*0	9	81	179	50	393
Rothamsted (Harpenden)	7	0	42	349	100	457
Writtle	8	3	31	270	197	515
Silwood Park (nr Ascot)	9	2	22	210	142	237
East Malling	/			0		
Starcross (nr Exeter)	14	1	52	539	300	487

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	75	107	67	1192	1599	498
Gogarbank (Edinburgh)	27	33	31	255	361	303
Newcastle	25	31	33	90	254	135
York	21	20		267	1553	
Preston	12	18	13	168	325	254
Kirton	5	2	222	134	514	1317
Broom's Barn (Bury St Edmunds)	1	1	73	173	557	973
Wellesbourne	14	4	10	162	217	379
Hereford	*7	8	57	64	231	668
Rothamsted (Harpenden)	3	3	40	141	259	1036
Writtle	3	4	51	130	622	1046
Silwood Park (nr Ascot)	2	0	2	92	210	225
East Malling	/			0		
Starcross (nr Exeter)	7	2	10	268	125	271

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	7	4	5	190	57	33
Gogarbank (Edinburgh)	4	5	1	65	26	23
Newcastle	0	7	2	44	57	45
York	0	9		364	449	
Preston	0	0	0	64	152	131
Kirton	0	62	28	393	912	860
Broom's Barn (Bury St Edmunds)	0	0	27	1251	1151	1080
Wellesbourne	0	0	1	577	961	831
Hereford	*0	2	5	185	747	339
Rothamsted (Harpenden)	0	0	6	286	560	560
Writtle	0	2	16	195	833	858
Silwood Park (nr Ascot)	0	0	0	49	113	73
East Malling	/			0		
Starcross (nr Exeter)	0	0	1	147	146	182

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	0	5	6	21	126	44
Gogarbank (Edinburgh)	0	2	1	24	64	58
Newcastle	0	2	2	18	15	18
York	0	0		13	26	
Preston	0	0	0	104	14	30
Kirton	0	0	2	23	9	64
Broom's Barn (Bury St Edmunds)	0	0	1	41	3	33
Wellesbourne	0	0	0	162	10	38
Hereford	*0	0	4	163	7	98
Rothamsted (Harpenden)	0	0	1	67	13	23
Writtle	0	0	0	43	15	40
Silwood Park (nr Ascot)	0	0	0	66	5	17
East Malling	/			0		
Starcross (nr Exeter)	0	0	1	98	42	34

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	1	0	4	2
Gogarbank (Edinburgh)	0	4	0	4	10	6
Newcastle	0	8	1	8	31	6
York	1	10		5	405	
Preston	0	10	2	15	82	30
Kirton	0	16	4	51	210	189
Broom's Barn (Bury St Edmunds)	0	0	4	121	316	159
Wellesbourne	1	1	3	54	518	869
Hereford	*0	5	10	31	824	367
Rothamsted (Harpenden)	0	0	4	18	197	94
Writtle	1	0	8	150	1454	324
Silwood Park (nr Ascot)	0	1	0	6	123	54
East Malling	/			0		
Starcross (nr Exeter)	1	3	18	36	196	230

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	0	3	180	77	93
Gogarbank (Edinburgh)	0	0	1	301	58	112
Newcastle	0	0	1	46	26	108
York	0	0		673	173	
Preston	1	0	1	562	100	599
Kirton	0	0	2	303	243	851
Broom's Barn (Bury St Edmunds)	0	0	1	253	758	937
Wellesbourne	1	0	0	636	323	626
Hereford	*2	0	1	385	52	359
Rothamsted (Harpenden)	0	0	0	229	133	463
Writtle	0	0	0	120	590	1005
Silwood Park (nr Ascot)	0	0	0	215	235	294
East Malling	/			0		
Starcross (nr Exeter)	0	0	1	234	127	179

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	0	16	8	136	292	57
Gogarbank (Edinburgh)	1	11	5	15	69	42
Newcastle	0	18	15	8	53	38
York	3	47		32	334	
Preston	1	0	1	8	45	33
Kirton	2	4	212	151	967	1127
Broom's Barn (Bury St Edmunds)	2	2	44	102	324	606
Wellesbourne	3	1	4	124	269	306
Hereford	*0	10	4	32	115	119
Rothamsted (Harpenden)	0	0	42	148	330	431
Writtle	2	0	36	101	464	718
Silwood Park (nr Ascot)	1	0	1	70	125	86
East Malling	/			0		
Starcross (nr Exeter)	2	0	1	57	39	86

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	29/08-04/08 10-year average 2009-18	2019	2018	04/08 10-year average 2009-18
Dundee	0	22	10	16	334	62
Gogarbank (Edinburgh)	0	2	14	11	37	39
Newcastle	0	0	19	1	7	38
York	0	0		4	53	
Preston	0	2	0	9	20	30
Kirton	0	0	17	37	97	201
Broom's Barn (Bury St Edmunds)	0	0	3	41	96	265
Wellesbourne	1	0	1	217	44	216
Hereford	*2	2	4	141	43	137
Rothamsted (Harpenden)	0	0	6	180	101	359
Writtle	0	0	5	121	125	310
Silwood Park (nr Ascot)	0	0	0	154	133	92
East Malling	/			0		
Starcross (nr Exeter)	0	0	1	278	54	96

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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