

AHDB Aphid News

Suction-trap period 22 July – 28 July 2019

General

- This bulletin week, record breaking hot weather across Britain continues along with the cereal and OSR harvest. The total number of reported aphids has decreased to 83% of those recorded last week.
- Total cereal aphid numbers have also decreased to 77% of last week, the bird cherry-oat aphid has however shown a slight increase. The hotspot at Dundee remains but is declining and the risk to crops is passing for this season.
- Peach-potato aphids have decreased to a third of last week and increasing at only Kirton.
- No potato aphids were recorded this week.
- Cabbage aphids also declined to a third of last week, increasing at only Hereford and Silwood Park.
- Two currant-lettuce aphids were recorded from Inverness (not included here).
- Willow-carrot aphids decreased to 43% of last week, increasing at only Preston.
- Pea aphid numbers decreased to around 80% of last week, increasing at only 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.
- Total black bean aphid numbers have decreased to around 40% of last week, increasing at only four sites but including a first arrival at Newcastle. 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.

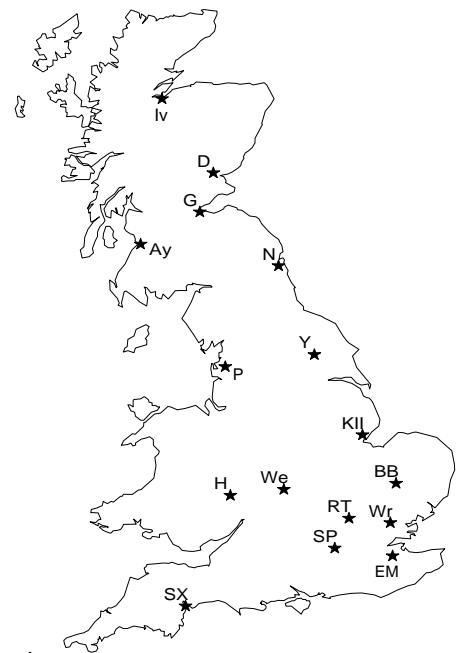
Monitoring crops is advised.

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 22/07-28/07			Accumulated until 28/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	13	192	114	1547	4118	1069
Gogarbank (Edinburgh)	2	51	42	499	329	523
Newcastle	4	10	31	76	75	154
York	1	24		257	229	
Preston	0	2	7	105	148	325
Kirton	5	30	186	564	258	1392
Broom's Barn (Bury St Edmunds)	0	2	87	277	347	1050
Wellesbourne	2	6	9	559	261	311
Hereford	7	7	31	141	198	527
Rothamsted (Harpenden)	0	2	21	199	190	614
Writtle	1	0	72	99	355	645
Silwood Park (nr Ascot)	1	0	1	119	121	132
East Malling	/			0		
Starcross (nr Exeter)	3	4	7	312	88	300

Bird cherry-oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals 22/07-28/07			Accumulated until 28/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	152	372	164	830	7303	1744
Gogarbank (Edinburgh)	58	304	116	308	1611	912
Newcastle	48	41	35	89	415	368
York	14	39		303	255	
Preston	11	0	14	212	82	193
Kirton	12	30	76	231	214	733
Broom's Barn (Bury St Edmunds)	4	15	42	234	195	768
Wellesbourne	22	2	58	408	231	290
Hereford	12	8	67	179	41	312
Rothamsted (Harpenden)	12	0	51	342	100	415
Writtle	17	12	43	262	194	485
Silwood Park (nr Ascot)	9	0	21	201	140	215
East Malling	/			0		
Starcross (nr Exeter)	63	3	72	525	299	435

Grain aphid (<i>Sitobion avenae</i>)	Bulletin Week Totals 22/07-28/07			Accumulated until 28/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	118	225	83	1117	1492	431
Gogarbank (Edinburgh)	49	151	73	228	328	272
Newcastle	31	49	28	65	223	102
York	20	579		246	1533	
Preston	14	64	49	156	307	241
Kirton	5	112	192	129	512	1095
Broom's Barn (Bury St Edmunds)	10	28	95	172	556	900
Wellesbourne	10	15	41	148	213	369
Hereford	11	32	126	57	223	611
Rothamsted (Harpenden)	9	26	106	138	256	996
Writtle	6	29	167	127	618	995
Silwood Park (nr Ascot)	7	4	10	90	210	223
East Malling	/			0		
Starcross (nr Exeter)	16	11	30	261	123	261

Peach-potato aphid (<i>Myzus persicae</i>)	Bulletin Week Totals 22/07-28/07			Accumulated until 28/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	9	32	6	183	53	28
Gogarbank (Edinburgh)	4	14	2	61	21	22
Newcastle	3	6	2	44	50	43
York	1	43		364	440	
Preston	0	4	2	64	152	131
Kirton	3	290	63	393	850	832
Broom's Barn (Bury St Edmunds)	0	10	44	1251	1151	1053
Wellesbourne	0	0	3	577	961	830
Hereford	1	10	15	185	745	334
Rothamsted (Harpenden)	1	1	18	286	560	554
Writtle	0	4	32	195	831	842
Silwood Park (nr Ascot)	0	0	0	49	113	73
East Malling	/			0		
Starcross (nr Exeter)	1	1	3	147	146	181

Potato aphid <i>(Macrosiphum euphorbiae)</i>	Bulletin Week Totals 22/07-28/07			Accumulated until 28/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	17	9	21	121	38
Gogarbank (Edinburgh)	0	10	9	24	62	57
Newcastle	0	2	2	18	13	16
York	0	12		13	26	
Preston	0	0	1	104	14	30
Kirton	0	0	5	23	9	62
Broom's Barn (Bury St Edmunds)	0	0	1	41	3	32
Wellesbourne	0	1	1	162	10	38
Hereford	0	0	7	163	7	95
Rothamsted (Harpenden)	0	0	1	67	13	23
Writtle	0	0	1	43	15	40
Silwood Park (nr Ascot)	0	0	1	66	5	17
East Malling	/			0		
Starcross (nr Exeter)	0	1	1	98	42	33

Cabbage aphid <i>(Brevicoryne brassicae)</i>	Bulletin Week Totals 22/07-28/07			Accumulated until 28/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	1	0	0	4	2
Gogarbank (Edinburgh)	0	4	1	4	6	5
Newcastle	0	11	1	8	23	5
York	0	153		4	395	
Preston	0	30	3	15	72	28
Kirton	0	98	13	51	194	185
Broom's Barn (Bury St Edmunds)	0	14	10	121	316	155
Wellesbourne	0	10	13	53	517	867
Hereford	2	12	10	31	819	357
Rothamsted (Harpenden)	0	4	10	18	197	90
Writtle	0	5	25	149	1454	316
Silwood Park (nr Ascot)	1	8	3	6	122	54
East Malling	/			0		
Starcross (nr Exeter)	4	11	43	35	193	212

Willow-carrot aphid (<i>Cavariella aegopodii</i>)	Bulletin Week Totals 22/07-28/07			Accumulated until 28/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	1	3	180	77	90
Gogarbank (Edinburgh)	0	2	2	301	58	111
Newcastle	0	2	2	46	26	107
York	0	2		673	173	
Preston	2	4	2	561	100	598
Kirton	2	0	3	303	243	849
Broom's Barn (Bury St Edmunds)	0	0	1	253	758	937
Wellesbourne	0	0	0	635	323	626
Hereford	1	2	1	383	52	358
Rothamsted (Harpenden)	0	0	1	229	133	463
Writtle	0	0	0	120	590	1004
Silwood Park (nr Ascot)	0	0	0	215	235	294
East Malling	/			0		
Starcross (nr Exeter)	1	0	1	234	127	178

Pea aphid (<i>Acyrtosiphon pisum</i>)	Bulletin Week Totals 22/07-28/07			Accumulated until 28/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	49	11	136	276	49
Gogarbank (Edinburgh)	2	25	9	14	58	37
Newcastle	0	6	7	8	35	23
York	2	154		29	287	
Preston	0	4	3	7	45	32
Kirton	4	182	298	149	963	916
Broom's Barn (Bury St Edmunds)	1	21	121	100	322	562
Wellesbourne	2	2	14	121	268	302
Hereford	2	7	10	32	105	115
Rothamsted (Harpenden)	4	10	88	148	330	388
Writtle	2	10	161	99	464	682
Silwood Park (nr Ascot)	2	4	9	69	125	85
East Malling	/			0		
Starcross (nr Exeter)	1	0	4	55	39	85

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals 22/07-28/07			Accumulated until 28/07		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	4	123	19	16	312	51
Gogarbank (Edinburgh)	0	21	12	11	35	25
Newcastle	1 #	6	8	1	7	19
York	0	8		4	53	
Preston	0	8	3	9	18	30
Kirton	0	8	11	37	97	184
Broom's Barn (Bury St Edmunds)	0	8	5	41	96	262
Wellesbourne	0	0	2	216	44	215
Hereford	3	8	14	139	41	133
Rothamsted (Harpenden)	2	3	12	180	101	352
Writtle	0	0	8	121	125	305
Silwood Park (nr Ascot)	1	0	1	154	133	92
East Malling	/			0		
Starcross (nr Exeter)	3	1	3	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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