

# AHDB Aphid News

## Suction-trap period: 20–26 July 2020

In response to COVID-19, the Rothamsted Insect Survey is operating at reduced capacity. Substantial disruption to the normal reporting service is expected.

### General

- Due to technical difficulties, relating to the current situation, 10-year average data (2009–18) is displayed on the tables and on the Rothamsted Insect Survey website. The accumulation data for Newcastle, Preston and Writtle are unreliable, because of a substantial gap in available data.
- This period, cereal and oilseed rape harvest continued, with average temperatures. The total number of aphids recorded increased to 130% of that of the previous reporting period. Much of this increase is due to increased cereal aphid activity, probably linked to harvest.
- Total cereal aphid numbers have increased to just over 150% of the previous reporting period. There was a rather notable three-figure hotspot for grain aphid, as well as a relatively large increase in rose-grain aphid at Dundee. The risk to crops is passing for this season.
- Peach–potato aphid increased in Scotland, reaching double figures at Dundee, but declines were seen further South.
- Potato aphid was only recorded from Dundee, Gogarbank and Kirton.
- Cabbage aphid increased at York and Broom’s Barn with a hotspot at Kirton.
- A single currant–lettuce aphid was recorded from Dundee and Rothamsted, as well as two from York.
- Willow–carrot aphid declined across much of Britain and only increased slightly at East Malling.
- Pea aphid has increased at four 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.
- Black bean aphid has increased at six sites with a three-figure hotspot at Kirton. The threshold for black bean aphid in field and broad beans is 10% plant colonisation. A lower threshold of 5% infested is advised to prevent virus transmission.
- **Crop inspections are advised.**

## 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.

Only tables for species reported upon that have been recorded so far this year are displayed.

Rose-grain aphid ( <i>Metopolophium dirhodum</i> )	Bulletin Week Totals 20/07-26/07			Accumulated until 26/07		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	50	192	114	131	4118	1069
Gogarbank (Edinburgh)	1	51	42	70	329	523
Newcastle	*4	10	31	7	75	154
York	*0	24		71	229	
Preston	/	2	7	29	148	325
Kirton	2	30	186	76	258	1392
Broom's Barn (Bury St Edmunds)	6	2	87	150	347	1050
Wellesbourne	1	6	9	110	261	311
Hereford	/	7	31	37	198	527
Rothamsted (Harpenden)	1	2	21	46	190	614
Writtle	0	0	72	11	355	645
Silwood Park (nr Ascot)	*0	0	1	33	121	132
East Malling	*9			47		
Starcross (nr Exeter)	*2	4	7	64	88	300

Bird cherry-oat aphid ( <i>Rhopalosiphum padi</i> )	Bulletin Week Totals 20/07-26/07			Accumulated until 26/07		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	31	372	164	65	7303	1744
Gogarbank (Edinburgh)	4	304	116	42	1611	912
Newcastle	*11	41	35	21	415	368
York	*30	39		134	255	
Preston	/	0	14	136	82	193
Kirton	30	30	76	205	214	733
Broom's Barn (Bury St Edmunds)	17	15	42	165	195	768
Wellesbourne	44	2	58	192	231	290
Hereford	/	8	67	75	41	312
Rothamsted (Harpenden)	16	0	51	94	100	415
Writtle	10	12	43	45	194	485
Silwood Park (nr Ascot)	*35	0	21	128	140	215
East Malling	*51			292		
Starcross (nr Exeter)	*9	3	72	561	299	435

Grain aphid ( <i>Sitobion avenae</i> )	Bulletin Week Totals			Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	242	225	83	337	1492	431
Gogarbank (Edinburgh)	6	151	73	33	328	272
Newcastle	*16	49	28	35	223	102
York	*61	579		250	1533	
Preston	/	64	49	83	307	241
Kirton	16	112	192	89	512	1095
Broom's Barn (Bury St Edmunds)	16	28	95	100	556	900
Wellesbourne	12	15	41	102	213	369
Hereford	/	32	126	184	223	611
Rothamsted (Harpenden)	17	26	106	77	256	996
Writtle	26	29	167	59	618	995
Silwood Park (nr Ascot)	*12	4	10	108	210	223
East Malling	*23			175		
Starcross (nr Exeter)	*7	11	30	121	123	261

peach-potato aphid ( <i>Myzus persicae</i> )	Bulletin Week Totals			Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	22	32	6	34	53	28
Gogarbank (Edinburgh)	1	14	2	24	21	22
Newcastle	*0	6	2	2	50	43
York	*0	43		827	440	
Preston	/	4	2	532	152	131
Kirton	1	290	63	795	850	832
Broom's Barn (Bury St Edmunds)	1	10	44	4471	1151	1053
Wellesbourne	0	0	3	1381	961	830
Hereford	/	10	15	186	745	334
Rothamsted (Harpenden)	0	1	18	883	560	554
Writtle	0	4	32	325	831	842
Silwood Park (nr Ascot)	*0	0	0	203	113	73
East Malling	*0			694		
Starcross (nr Exeter)	*0	1	3	224	146	181

Potato aphid ( <i>Macrosiphum euphorbiae</i> )	Bulletin Week Totals 20/07-26/07			Accumulated until 26/07		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	4	17	9	18	121	38
Gogarbank (Edinburgh)	1	10	9	29	62	57
Newcastle	*0	2	2	11	13	16
York	*0	12		35	26	
Preston	/	0	1	23	14	30
Kirton	1	0	5	60	9	62
Broom's Barn (Bury St Edmunds)	0	0	1	92	3	32
Wellesbourne	0	1	1	93	10	38
Hereford	/	0	7	9	7	95
Rothamsted (Harpenden)	0	0	1	53	13	23
Writtle	0	0	1	19	15	40
Silwood Park (nr Ascot)	*0	0	1	37	5	17
East Malling	*0			89		
Starcross (nr Exeter)	*0	1	1	75	42	33

Cabbage aphid ( <i>Brevicoryne brassicae</i> )	Bulletin Week Totals 20/07-26/07			Accumulated until 26/07		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	0	1	0	2	4	2
Gogarbank (Edinburgh)	0	4	1	0	6	5
Newcastle	*0	11	1	2	23	5
York	*7	153		276	395	
Preston	/	30	3	17	72	28
Kirton	94	98	13	506	194	185
Broom's Barn (Bury St Edmunds)	7	14	10	2990	316	155
Wellesbourne	1	10	13	2106	517	867
Hereford	/	12	10	326	819	357
Rothamsted (Harpenden)	1	4	10	722	197	90
Writtle	4	5	25	377	1454	316
Silwood Park (nr Ascot)	*0	8	3	105	122	54
East Malling	*0			386		
Starcross (nr Exeter)	*2	11	43	113	193	212

Willow-carrot aphid ( <i>Cavariella aegopodii</i> )	Bulletin Week Totals 20/07-26/07			Accumulated until 26/07		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	0	1	3	158	77	90
Gogarbank (Edinburgh)	0	2	2	307	58	111
Newcastle	*2	2	2	12	26	107
York	*0	2		977	173	
Preston	/	4	2	260	100	598
Kirton	1	0	3	1887	243	849
Broom's Barn (Bury St Edmunds)	1	0	1	1623	758	937
Wellesbourne	0	0	0	655	323	626
Hereford	/	2	1	2	52	358
Rothamsted (Harpenden)	0	0	1	227	133	463
Writtle	0	0	0	114	590	1004
Silwood Park (nr Ascot)	*0	0	0	53	235	294
East Malling	*2			131		
Starcross (nr Exeter)	*0	0	1	114	127	178

Pea aphid ( <i>Acyrtosiphon pisum</i> )	Bulletin Week Totals 20/07-26/07			Accumulated until 26/07		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	11	49	11	22	276	49
Gogarbank (Edinburgh)	0	25	9	9	58	37
Newcastle	*0	6	7	0	35	23
York	*0	154		11	287	
Preston	/	4	3	14	45	32
Kirton	10	182	298	85	963	916
Broom's Barn (Bury St Edmunds)	6	21	121	67	322	562
Wellesbourne	0	2	14	100	268	302
Hereford	/	7	10	22	105	115
Rothamsted (Harpenden)	3	10	88	42	330	388
Writtle	0	10	161	35	464	682
Silwood Park (nr Ascot)	*4	4	9	29	125	85
East Malling	*35			117		
Starcross (nr Exeter)	*0	0	4	58	39	85

Black bean aphid ( <i>Aphis fabae</i> )	Bulletin Week Totals			Accumulated until		
	2020	2018	20/07-26/07 10-year average 2009-18	2020	2018	26/07 10-year average 2009-18
Dundee	30	123	19	40	312	51
Gogarbank (Edinburgh)	2	21	12	9	35	25
Newcastle	*0	6	8	0	7	19
York	*2	8		16	53	
Preston	/	8	3	18	18	30
Kirton	105	8	11	388	97	184
Broom's Barn (Bury St Edmunds)	7	8	5	71	96	262
Wellesbourne	20	0	2	80	44	215
Hereford	/	8	14	13	41	133
Rothamsted (Harpenden)	30	3	12	180	101	352
Writtle	2	0	8	89	125	305
Silwood Park (nr Ascot)	*11	0	1	50	133	92
East Malling	*14			110		
Starcross (nr Exeter)	*0	1	3	77	54	96

### Further information

Please send information on crop aphids to: [alex.greenslade@rothamsted.ac.uk](mailto:alex.greenslade@rothamsted.ac.uk)

[insectsurvey.com/aphid-bulletin](http://insectsurvey.com/aphid-bulletin)

[ahdb.org.uk/aphid-news](http://ahdb.org.uk/aphid-news)

In partnership with



## Yellow-water-trap period: 22–30 July 2020

### General

About 100 yellow water traps are located in/close to seed potato crops across Great Britain. Traps are emptied approximately weekly by the host growers/agronomists, with full results (individual counts and weekly averages) published on a dedicated [aphid monitoring website](#).

Compared to the suction traps, the yellow water traps provide more localised information on which aphids are flying close to seed potato crops. Although yellow water trap results and commentary focus on aphids that transmit potato viruses, data on a wider range of aphid species, including cereal aphids, is published. Used as part of wider aphid monitoring, these results can help build up a picture of regional aphid risks.

### Yellow water trap data

- 63 samples have been received during this period, from every region.
- 936 samples have been received so far this year.

Region	No. samples	Total rose-grain aphid trapped	Average rose-grain aphid per sample	Total bird cherry-oat aphid trapped	Average bird cherry-oat aphid per sample	Total grain aphid trapped	Average grain aphid per sample
<b>North Scotland</b>	16	4	0.3	0		3	0.2
<b>Grampian</b>	11	4	0.4	0		3	0.3
<b>Angus &amp; Perthshire</b>	10	1	0.1	1	0.1	4	0.4
<b>Borders</b>	6	0		0		0	
<b>Northern England</b>	9	0		0		3	0.3
<b>East Anglia</b>	5	0		1	0.2	0	
<b>Midlands</b>	3	0		0		1	0.3
<b>South-West</b>	3	0		0		0	
<b>Total</b>	63	9	0.1	2	0.0	14	0.2

Further information  
[ahdb.org.uk/aphid-news](http://ahdb.org.uk/aphid-news)

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