

# AHDB Aphid News

Suction-trap period 10 August – 16 August 2020

## General

In response to the Covid-19 pandemic; the Rothamsted Insect Survey is at this time operating at reduced capacity. The team will process as many samples as possible to produce weekly results, but disruption to the normal reporting service is expected.

- Due to technical difficulties relating to the current situation, 10-year average data will be displayed on the data tables below and on the Rothamsted Insect Survey website from 2009 – 2018. The accumulation data for Newcastle, Preston and Writtle are unreliable due to a substantial gap in available data from these sites and are therefore not later referred to.
- The harvest continues during this reporting period, along with a substantial change in temperature towards the end of the period in some parts of Britain. The total number of aphids recorded across all available sites, has remained similar to that of the previous reporting period.
- The total number of cereal aphids have also remained broadly similar to the previous reporting period. Increases in Bird cherry-oat aphid from Kirton northwards (including a three-figure hotspot at Newcastle) offset declines in the other cereal aphid species. The risk to crops is passing for this season.
- Peach-potato aphid was recorded in very low numbers at four sites from Kirton southwards.
- Single individuals of Potato aphid were recorded from Rothamsted and Writtle.
- Cabbage aphid was only recorded from Newcastle and York.
- Willow-carrot aphid was only recorded from Gogarbank and York.
- Pea aphid numbers increased at four sites with a slight hotspot at Wellesbourne. 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 numbers increased at York and Wellesbourne. 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			Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	*1	3	2	167	4177	1118
Gogarbank (Edinburgh)	1	2	2	91	360	541
Newcastle	*5	0	8	19	78	252
York	3	0		77	232	
Preston	1	0	1	36	148	328
Kirton	1	0	2	80	260	1549
Broom's Barn (Bury St Edmunds)	0	0	0	157	347	1078
Wellesbourne	2	0	1	120	262	316
Hereford	*2	0	1	49	201	542
Rothamsted (Harpenden)	0	0	0	51	190	621
Writtle	0	0	0	14	355	655
Silwood Park (nr Ascot)	0	0	0	33	121	133
East Malling	0			48		
Starcross (nr Exeter)	1	0	0	66	89	303

Bird cherry-oat aphid ( <i>Rhopalosiphum padi</i> )	Bulletin Week Totals			Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	*62	32	62	167	7460	1991
Gogarbank (Edinburgh)	33	30	81	101	1766	1176
Newcastle	*166	8	54	212	459	538
York	70	1		287	259	
Preston	35	14	34	216	108	266
Kirton	59	1	33	308	220	906
Broom's Barn (Bury St Edmunds)	20	1	21	233	202	861
Wellesbourne	23	5	59	386	248	410
Hereford	*86	4	69	298	68	549
Rothamsted (Harpenden)	14	2	24	152	106	523
Writtle	11	7	13	105	205	546
Silwood Park (nr Ascot)	4	0	12	158	143	266
East Malling	14			363		
Starcross (nr Exeter)	8	4	23	618	304	573

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	*19	11	10	542	1633	540
Gogarbank (Edinburgh)	21	5	17	107	390	341
Newcastle	*18	2	25	96	262	187
York	39	0		372	1556	
Preston	10	2	10	121	341	275
Kirton	6	0	10	106	515	1358
Broom's Barn (Bury St Edmunds)	0	0	4	108	557	998
Wellesbourne	18	1	9	176	225	400
Hereford	*30	4	18	309	238	727
Rothamsted (Harpenden)	4	1	5	101	262	1064
Writtle	0	1	2	69	623	1068
Silwood Park (nr Ascot)	2	0	2	115	211	229
East Malling	0			197		
Starcross (nr Exeter)	3	0	2	137	125	277

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	*0	3	1	49	60	35
Gogarbank (Edinburgh)	0	2	1	25	31	24
Newcastle	*0	1	1	2	65	47
York	0	0		827	453	
Preston	0	0	0	536	152	132
Kirton	1	21	4	799	953	871
Broom's Barn (Bury St Edmunds)	0	0	1	4471	1151	1091
Wellesbourne	0	0	0	1382	961	832
Hereford	*2	0	1	190	747	343
Rothamsted (Harpenden)	0	0	1	883	560	563
Writtle	0	0	0	325	833	863
Silwood Park (nr Ascot)	1	0	0	204	113	73
East Malling	1			704		
Starcross (nr Exeter)	0	0	1	225	146	183

Potato aphid ( <i>Macrosiphum euphorbiae</i> )	Bulletin Week Totals			Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	*0	1	0	18	129	46
Gogarbank (Edinburgh)	0	0	1	31	67	59
Newcastle	*0	0	1	11	15	20
York	0	0		35	26	
Preston	0	0	0	23	14	30
Kirton	0	0	0	60	9	64
Broom's Barn (Bury St Edmunds)	0	0	0	92	3	33
Wellesbourne	0	0	0	94	10	38
Hereford	*0	0	4	10	7	110
Rothamsted (Harpenden)	1	0	0	54	13	23
Writtle	1	0	0	20	15	41
Silwood Park (nr Ascot)	0	0	0	37	5	18
East Malling	0			90		
Starcross (nr Exeter)	0	0	0	75	42	35

Cabbage aphid ( <i>Brevicoryne brassicae</i> )	Bulletin Week Totals			Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	*0	0	0	3	4	2
Gogarbank (Edinburgh)	0	1	0	0	11	6
Newcastle	*4	0	0	11	36	6
York	1	6		280	416	
Preston	0	0	0	17	87	31
Kirton	0	19	2	517	249	194
Broom's Barn (Bury St Edmunds)	0	0	1	2991	317	163
Wellesbourne	0	0	1	2126	522	873
Hereford	*0	1	3	331	827	374
Rothamsted (Harpenden)	0	0	1	723	198	99
Writtle	0	0	1	380	1454	329
Silwood Park (nr Ascot)	0	0	0	105	123	54
East Malling	0			402		
Starcross (nr Exeter)	0	1	1	116	197	234

Willow-carrot aphid ( <i>Cavariella aegopodii</i> )	Bulletin Week Totals			Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	*0	1	1	160	79	97
Gogarbank (Edinburgh)	1	0	0	309	58	113
Newcastle	*0	0	0	12	26	108
York	2	0		981	174	
Preston	0	0	1	266	100	601
Kirton	0	0	1	1887	243	852
Broom's Barn (Bury St Edmunds)	0	0	1	1624	758	938
Wellesbourne	0	0	0	656	323	626
Hereford	*0	0	0	4	52	360
Rothamsted (Harpenden)	0	0	0	228	133	464
Writtle	0	0	0	114	590	1005
Silwood Park (nr Ascot)	0	0	0	54	235	294
East Malling	0			135		
Starcross (nr Exeter)	0	0	0	116	127	179

Pea aphid ( <i>Acyrtosiphon pisum</i> )	Bulletin Week Totals			Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	*0	1	1	27	295	59
Gogarbank (Edinburgh)	0	1	2	9	75	45
Newcastle	*0	1	3	4	67	47
York	11	2		26	341	
Preston	11	0	0	33	45	33
Kirton	0	1	3	88	968	1145
Broom's Barn (Bury St Edmunds)	4	0	1	72	324	628
Wellesbourne	30	0	5	139	271	316
Hereford	*5	1	4	31	119	129
Rothamsted (Harpenden)	0	1	2	46	331	445
Writtle	0	0	1	39	464	725
Silwood Park (nr Ascot)	0	0	0	29	125	87
East Malling	0			120		
Starcross (nr Exeter)	1	0	1	60	39	87

Black bean aphid ( <i>Aphis fabae</i> )	Bulletin Week Totals			Accumulated until		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	*2	4	2	85	343	66
Gogarbank (Edinburgh)	7	1	5	29	50	48
Newcastle	*5	0	3	11	9	44
York	12	0		32	54	
Preston	3	0	0	27	20	30
Kirton	0	0	0	462	97	205
Broom's Barn (Bury St Edmunds)	0	0	1	78	96	267
Wellesbourne	18	0	1	131	44	217
Hereford	*26	0	1	47	43	140
Rothamsted (Harpenden)	0	0	0	181	101	361
Writtle	0	0	1	96	125	313
Silwood Park (nr Ascot)	0	0	0	52	133	92
East Malling	0			122		
Starcross (nr Exeter)	0	0	0	77	54	97

### Further information

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

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

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

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