

# AHDB Aphid News

Suction-trap period 24 August – 30 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 draws to a close during this reporting period, along with unseasonably cool temperatures towards the end of the period with some places struggling to reach above the aphid flight threshold. The total number of aphids recorded across all available sites, has declined by 37% of the previous reporting period.
- The total number of cereal aphids in general has also declined by 36% of the previous reporting period, but a three-figure hotspot was still seen at Gogarbank. The risk to crops is passing for this season but Hutchinsons state that stubble hygiene will be important in the coming season as harvesters have been seen inadvertently threshing volunteer cereal seeds.
- Peach-potato aphid was only recorded in single figures from Kirton.
- Cabbage aphid was also only recorded from Kirton.
- Willow-carrot aphid was only recorded in single figures from Dundee and Gogarbank.
- Pea aphid was recorded from Dundee and Kirton. The risk to crops is passing for this season.
- Black bean aphid was still being recorded at Dundee and Newcastle but decreasing in number at both sites. The risk to crops is passing for this season.

**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	1	0	168	4178	1119
Gogarbank (Edinburgh)	0	0	0	91	360	543
Newcastle	*0	0	1	26	78	255
York	0	0		80	232	
Preston	0	0	0	36	148	329
Kirton	*0	0	0	80	260	1549
Broom's Barn (Bury St Edmunds)	0	0	0	157	347	1079
Wellesbourne	*0	0	1	120	262	317
Hereford	0	0	1	49	203	544
Rothamsted (Harpenden)	0	0	0	51	190	621
Writtle	/	0	0	14	355	655
Silwood Park (nr Ascot)	0	0	0	33	121	133
East Malling	0			48		
Starcross (nr Exeter)	*0	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	33	63	88	234	7574	2160
Gogarbank (Edinburgh)	115	39	109	311	1840	1426
Newcastle	*28	32	121	299	533	707
York	22	14		351	291	
Preston	15	26	70	231	164	382
Kirton	*5	11	16	332	239	953
Broom's Barn (Bury St Edmunds)	5	15	24	240	222	914
Wellesbourne	*1	21	64	390	282	514
Hereford	6	55	51	311	157	671
Rothamsted (Harpenden)	8	10	25	163	119	583
Writtle	/	13	15	108	222	579
Silwood Park (nr Ascot)	7	3	17	165	148	296
East Malling	3			367		
Starcross (nr Exeter)	*5	9	32	625	317	645

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	12	3	8	575	1641	565
Gogarbank (Edinburgh)	14	1	7	134	399	365
Newcastle	*5	3	7	186	267	201
York	1	0		406	1556	
Preston	3	0	3	124	345	281
Kirton	*7	0	1	115	515	1365
Broom's Barn (Bury St Edmunds)	0	0	1	108	557	1001
Wellesbourne	*0	0	3	179	226	407
Hereford	0	4	7	319	244	747
Rothamsted (Harpenden)	0	0	1	101	262	1068
Writtle	/	0	1	69	623	1072
Silwood Park (nr Ascot)	0	0	0	115	211	230
East Malling	0			197		
Starcross (nr Exeter)	*2	0	1	140	125	280

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	7	3	51	67	39
Gogarbank (Edinburgh)	0	0	0	26	31	25
Newcastle	*0	1	0	2	66	48
York	0	1		827	454	
Preston	0	0	1	536	152	133
Kirton	*5	7	3	807	981	878
Broom's Barn (Bury St Edmunds)	0	0	1	4471	1151	1093
Wellesbourne	*0	0	0	1382	961	832
Hereford	0	0	1	190	748	347
Rothamsted (Harpenden)	0	0	0	883	560	564
Writtle	/	0	0	325	833	863
Silwood Park (nr Ascot)	0	0	0	204	113	73
East Malling	0			704		
Starcross (nr Exeter)	*0	0	1	225	146	184

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	0	0	18	130	47
Gogarbank (Edinburgh)	0	0	0	31	67	60
Newcastle	*0	0	1	12	15	21
York	0	0		35	26	
Preston	0	0	0	23	14	31
Kirton	*0	0	0	60	9	65
Broom's Barn (Bury St Edmunds)	0	0	0	92	3	33
Wellesbourne	*0	0	0	94	10	38
Hereford	0	0	1	10	7	114
Rothamsted (Harpenden)	0	0	0	54	13	24
Writtle	/	0	0	20	15	42
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	3	0	0	14	6
Newcastle	*0	3	1	14	42	7
York	0	0		281	416	
Preston	0	6	1	17	101	32
Kirton	*16	3	1	540	282	198
Broom's Barn (Bury St Edmunds)	0	0	0	2991	317	163
Wellesbourne	*0	1	1	2126	523	873
Hereford	0	0	2	331	827	384
Rothamsted (Harpenden)	0	0	1	723	198	101
Writtle	/	0	0	380	1454	329
Silwood Park (nr Ascot)	0	0	0	105	123	55
East Malling	0			402		
Starcross (nr Exeter)	*0	0	1	116	198	237

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	5	4	3	168	86	103
Gogarbank (Edinburgh)	1	0	1	310	58	114
Newcastle	*0	0	0	14	26	109
York	0	0		981	174	
Preston	0	0	1	266	100	605
Kirton	*0	0	2	1887	243	855
Broom's Barn (Bury St Edmunds)	0	0	1	1624	758	940
Wellesbourne	*0	0	0	657	323	627
Hereford	0	0	0	4	52	360
Rothamsted (Harpenden)	0	1	1	228	134	465
Writtle	/	0	0	114	590	1005
Silwood Park (nr Ascot)	0	0	0	54	235	295
East Malling	0			135		
Starcross (nr Exeter)	*0	0	0	116	127	180

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	1	1	0	29	296	60
Gogarbank (Edinburgh)	0	0	1	9	75	47
Newcastle	*0	0	0	7	67	48
York	0	0		34	342	
Preston	0	2	0	33	48	34
Kirton	*5	0	2	103	968	1149
Broom's Barn (Bury St Edmunds)	0	0	0	72	324	629
Wellesbourne	*0	1	2	141	272	318
Hereford	0	1	0	31	120	133
Rothamsted (Harpenden)	0	0	1	46	331	447
Writtle	/	0	1	39	464	727
Silwood Park (nr Ascot)	0	0	0	29	125	87
East Malling	0			120		
Starcross (nr Exeter)	*0	0	0	60	40	89

Black bean aphid ( <i>Aphis fabae</i> )	Bulletin Week Totals			Accumulated until		
	2020	2018	24/08-30/08 10-year average 2009-18	2020	2018	30/08 10-year average 2009-18
Dundee	4	9	2	94	359	71
Gogarbank (Edinburgh)	0	0	3	29	53	58
Newcastle	*9	1	3	46	10	50
York	0	0		32	54	
Preston	0	0	1	27	21	31
Kirton	*0	0	1	462	97	206
Broom's Barn (Bury St Edmunds)	0	0	1	78	96	268
Wellesbourne	*0	0	1	131	44	217
Hereford	0	0	0	47	44	141
Rothamsted (Harpenden)	0	0	0	181	101	361
Writtle	/	0	0	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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