

AHDB Aphid News

Suction-trap period 17 August – 23 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 slightly above average temperatures and well above average rainfall in many parts of Britain. The total number of aphids recorded across all available sites, has declined by 40% of the previous reporting period.
- The total number of cereal aphids in general has also declined by 40% of the previous reporting period, with increases only seen from Newcastle and into Scotland. The risk to crops is passing for this season but Hutchinsons report that Bird cherry-oat aphid has been found on volunteers in OSR in the Carlisle and York area. They also state that stubble hygiene will be important in the coming season as harvesters have been seen inadvertently threshing volunteer seeds.
- Peach-potato aphid was recorded in single figures at Dundee, Gogarbank and Kirton.
- Two Potato aphid individuals were recorded from Newcastle.
- Cabbage aphid was only recorded in low numbers from Newcastle and York and Kirton.
- Willow-carrot aphid was recorded in single figures from Dundee, Newcastle and Wellesbourne.
- Pea aphid was recorded from five sites from Wellesbourne northwards. The risk to crops is passing for this season
- Black bean aphid was recorded at Dundee and Newcastle and increasing 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 17/08-23/08			Accumulated until 23/08		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	0	0	1	167	4177	1119
Gogarbank (Edinburgh)	0	0	1	91	360	542
Newcastle	*7	0	2	26	78	254
York	3	0		80	232	
Preston	/	0	1	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	0	120	262	316
Hereford	*0	2	2	49	203	543
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)	0	0	0	66	89	303

Bird cherry-oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals 17/08-23/08			Accumulated until 23/08		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	34	51	80	201	7511	2071
Gogarbank (Edinburgh)	95	35	141	196	1801	1317
Newcastle	*60	42	48	271	501	586
York	42	18		329	277	
Preston	/	30	46	216	138	312
Kirton	19	8	31	327	228	937
Broom's Barn (Bury St Edmunds)	2	5	29	235	207	890
Wellesbourne	2	13	40	388	261	450
Hereford	*7	34	70	305	102	620
Rothamsted (Harpenden)	3	3	34	155	109	558
Writtle	3	4	18	108	209	564
Silwood Park (nr Ascot)	0	2	13	158	145	279
East Malling	1			364		
Starcross (nr Exeter)	2	4	40	620	308	613

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	21	5	17	563	1638	557
Gogarbank (Edinburgh)	13	8	17	120	398	358
Newcastle	*84	2	8	180	264	194
York	33	0		405	1556	
Preston	/	4	4	121	345	278
Kirton	2	0	6	108	515	1364
Broom's Barn (Bury St Edmunds)	0	0	3	108	557	1001
Wellesbourne	3	1	3	179	226	404
Hereford	*11	2	14	319	240	741
Rothamsted (Harpenden)	0	0	3	101	262	1067
Writtle	0	0	3	69	623	1071
Silwood Park (nr Ascot)	0	0	1	115	211	230
East Malling	0			197		
Starcross (nr Exeter)	1	0	2	138	125	279

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	2	0	2	51	60	37
Gogarbank (Edinburgh)	1	0	0	26	31	25
Newcastle	*0	0	1	2	65	48
York	0	0		827	453	
Preston	/	0	1	536	152	133
Kirton	4	21	4	803	974	875
Broom's Barn (Bury St Edmunds)	0	0	1	4471	1151	1092
Wellesbourne	0	0	0	1382	961	832
Hereford	*0	1	3	190	748	346
Rothamsted (Harpenden)	0	0	0	883	560	563
Writtle	0	0	0	325	833	863
Silwood Park (nr Ascot)	0	0	0	204	113	73
East Malling	0			704		
Starcross (nr Exeter)	0	0	0	225	146	183

Potato aphid (<i>Macrosiphum euphorbiae</i>)	Bulletin Week Totals 17/08-23/08			Accumulated until 23/08		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	0	1	0	18	130	47
Gogarbank (Edinburgh)	0	0	1	31	67	60
Newcastle	*2	0	1	12	15	20
York	0	0		35	26	
Preston	/	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	113
Rothamsted (Harpenden)	0	0	0	54	13	24
Writtle	0	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 17/08-23/08			Accumulated until 23/08		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	0	0	0	3	4	2
Gogarbank (Edinburgh)	0	0	0	0	11	6
Newcastle	*4	3	0	14	39	7
York	1	0		281	416	
Preston	/	8	1	17	95	32
Kirton	7	30	4	524	279	197
Broom's Barn (Bury St Edmunds)	0	0	1	2991	317	163
Wellesbourne	0	0	0	2126	522	873
Hereford	*0	0	8	331	827	382
Rothamsted (Harpenden)	0	0	1	723	198	100
Writtle	0	0	0	380	1454	329
Silwood Park (nr Ascot)	0	0	1	105	123	55
East Malling	0			402		
Starcross (nr Exeter)	0	1	2	116	198	236

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	3	3	2	163	82	100
Gogarbank (Edinburgh)	0	0	1	309	58	113
Newcastle	*2	0	1	14	26	109
York	0	0		981	174	
Preston	/	0	4	266	100	604
Kirton	0	0	1	1887	243	853
Broom's Barn (Bury St Edmunds)	0	0	1	1624	758	939
Wellesbourne	1	0	0	657	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	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	0	1	28	295	60
Gogarbank (Edinburgh)	0	0	1	9	75	46
Newcastle	*4	0	0	7	67	48
York	8	1		34	342	
Preston	/	1	1	33	46	34
Kirton	11	0	2	99	968	1147
Broom's Barn (Bury St Edmunds)	0	0	1	72	324	629
Wellesbourne	2	0	0	141	271	316
Hereford	*0	0	3	31	119	133
Rothamsted (Harpenden)	0	0	1	46	331	446
Writtle	0	0	1	39	464	726
Silwood Park (nr Ascot)	0	0	0	29	125	87
East Malling	0			120		
Starcross (nr Exeter)	0	1	2	60	40	89

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals 17/08-23/08			Accumulated until 23/08		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	5	7	3	90	350	69
Gogarbank (Edinburgh)	0	3	7	29	53	55
Newcastle	*26	0	3	37	9	47
York	0	0		32	54	
Preston	/	1	0	27	21	30
Kirton	0	0	0	462	97	205
Broom's Barn (Bury St Edmunds)	0	0	1	78	96	268
Wellesbourne	0	0	0	131	44	217
Hereford	*0	1	1	47	44	141
Rothamsted (Harpenden)	0	0	0	181	101	361
Writtle	0	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

insectsurvey.com/aphid-bulletin

ahdb.org.uk/aphid-news

In partnership with



AHDB
Stoneleigh Park
Kenilworth
Warwickshire
CV8 2TL

T 024 7 669 2051
E info@ahdb.org.uk
W ahdb.org.uk
Twitter @TheAHDB

© Agriculture and Horticulture Development Board 2020. All rights reserved.