

AHDB Aphid News

Trap period 13 July – 19 July 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.
- This bulletin, the cereal harvest continues along with the start of the OSR harvest. The total number of aphids recorded across available sites, has fallen by 26% of that of the previous reporting period.
- Total cereal aphid numbers have remained steady with declines in Rose-grain aphid being countered by increases in Bird cherry-oat aphid. Accumulated numbers are mostly substantially below the 10 year mean for this stage in the year. The risk to crops is passing for this season.
- Peach-potato aphid numbers have declined by 70% across most sites, increasing at only Preston and Starcross.
- Potato aphid was only recorded from Wellesbourne and Writtle.
- Cabbage aphid has declined by 55% of the previous period, increasing at only four sites.
- Single Currant-lettuce aphids were recorded from Dundee, York, Broom's Barn, Rothamsted and East Malling.
- Willow-carrot aphid increased only at Broom's Barn and East Malling.
- Pea aphid has decreased to 26% of the last reporting period, with numbers increasing at only York, Broom's Barn and Starcross. 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 this week. 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 13/07-19/07			Accumulated until 19/07		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	10	2901	504	81	3926	955
Gogarbank (Edinburgh)	0	121	95	69	278	481
Newcastle	*0	25	44	4	65	123
York	0	42		71	205	
Preston	*0	9	2	29	146	318
Kirton	3	130	147	74	228	1207
Broom's Barn (Bury St Edmunds)	7	15	61	144	345	963
Wellesbourne	2	5	19	109	255	302
Hereford	*12	11	33	37	191	496
Rothamsted (Harpenden)	2	2	24	45	188	594
Writtle	4	7	30	11	355	573
Silwood Park (nr Ascot)	3	0	2	33	121	131
East Malling	3			37		
Starcross (nr Exeter)	15	5	8	62	84	293

Bird cherry-oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals 13/07-19/07			Accumulated until 19/07		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	8	4218	656	34	6931	1580
Gogarbank (Edinburgh)	0	337	88	38	1307	795
Newcastle	*4	51	39	11	374	333
York	12	22		104	216	
Preston	*14	5	10	136	82	179
Kirton	7	43	42	175	184	657
Broom's Barn (Bury St Edmunds)	19	45	42	148	180	726
Wellesbourne	17	28	61	148	229	232
Hereford	*12	2	45	75	33	244
Rothamsted (Harpenden)	8	9	45	78	100	365
Writtle	4	43	39	35	182	442
Silwood Park (nr Ascot)	16	14	25	93	140	194
East Malling	32			240		
Starcross (nr Exeter)	52	7	103	552	296	363

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	35	956	208	95	1267	348
Gogarbank (Edinburgh)	2	74	41	27	177	200
Newcastle	*11	95	28	19	174	74
York	30	480		189	954	
Preston	*2	42	16	83	243	192
Kirton	12	271	159	73	400	903
Broom's Barn (Bury St Edmunds)	21	87	91	84	528	805
Wellesbourne	10	35	113	90	198	328
Hereford	*35	50	86	184	191	485
Rothamsted (Harpenden)	10	31	98	60	230	891
Writtle	17	152	109	33	589	828
Silwood Park (nr Ascot)	14	20	23	96	206	213
East Malling	44			152		
Starcross (nr Exeter)	33	9	41	114	112	231

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	3	14	4	12	21	22
Gogarbank (Edinburgh)	0	6	1	23	7	20
Newcastle	*0	22	4	2	44	41
York	2	228		827	397	
Preston	*2	13	3	532	148	129
Kirton	6	372	58	794	560	769
Broom's Barn (Bury St Edmunds)	2	123	51	4470	1141	1009
Wellesbourne	0	14	8	1381	961	827
Hereford	*2	38	15	186	735	320
Rothamsted (Harpenden)	1	12	74	883	559	536
Writtle	2	22	34	325	827	810
Silwood Park (nr Ascot)	0	10	3	203	113	72
East Malling	1			694		
Starcross (nr Exeter)	2	2	12	224	145	178

Potato aphid (<i>Macrosiphum euphorbiae</i>)	Bulletin Week Totals 13/07-19/07			Accumulated until 19/07		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	0	60	11	14	104	29
Gogarbank (Edinburgh)	0	10	4	28	52	48
Newcastle	*0	4	3	11	11	14
York	0	6		35	14	
Preston	*0	2	1	23	14	29
Kirton	0	2	1	59	9	58
Broom's Barn (Bury St Edmunds)	0	0	1	92	3	31
Wellesbourne	2	3	3	93	9	37
Hereford	*0	2	9	9	7	87
Rothamsted (Harpenden)	0	1	2	53	13	22
Writtle	2	0	1	19	15	39
Silwood Park (nr Ascot)	0	0	1	37	5	17
East Malling	0			89		
Starcross (nr Exeter)	0	0	0	75	41	32

Cabbage aphid (<i>Brevicoryne brassicae</i>)	Bulletin Week Totals 13/07-19/07			Accumulated until 19/07		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	2 #	2	0	2	3	1
Gogarbank (Edinburgh)	0	1	0	0	2	5
Newcastle	*0	9	1	2	12	4
York	1	140		269	242	
Preston	*1	27	3	17	42	25
Kirton	26	58	11	412	96	172
Broom's Barn (Bury St Edmunds)	2	64	21	2983	302	145
Wellesbourne	16	124	50	2105	507	854
Hereford	*28	107	31	326	807	347
Rothamsted (Harpenden)	5	12	14	721	193	80
Writtle	10	60	21	373	1449	291
Silwood Park (nr Ascot)	1	9	7	105	114	51
East Malling	1			386		
Starcross (nr Exeter)	14	32	16	111	182	169

Willow-carrot aphid (<i>Cavariella aegopodii</i>)	Bulletin Week Totals 13/07-19/07			Accumulated until 19/07		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	1	5	3	158	76	88
Gogarbank (Edinburgh)	0	1	2	307	56	110
Newcastle	*4	1	2	11	24	105
York	0	0		977	171	
Preston	*0	2	1	260	96	596
Kirton	4	2	3	1886	243	846
Broom's Barn (Bury St Edmunds)	2	4	4	1622	758	935
Wellesbourne	0	1	0	655	323	626
Hereford	*0	0	2	2	50	357
Rothamsted (Harpenden)	2	0	3	227	133	462
Writtle	0	0	2	114	590	1004
Silwood Park (nr Ascot)	1	0	1	53	235	294
East Malling	1			129		
Starcross (nr Exeter)	3	0	2	114	127	178

Pea aphid (<i>Acyrtosiphon pisum</i>)	Bulletin Week Totals 13/07-19/07			Accumulated until 19/07		
	2020	2018	10-year average 2009-18	2020	2018	10-year average 2009-18
Dundee	2	113	15	11	227	38
Gogarbank (Edinburgh)	0	19	5	9	33	28
Newcastle	*0	11	6	0	29	16
York	1	72		11	133	
Preston	*0	1	0	14	41	30
Kirton	4	612	237	75	781	618
Broom's Barn (Bury St Edmunds)	9	78	90	61	301	441
Wellesbourne	3	11	76	100	266	287
Hereford	*0	3	19	22	98	105
Rothamsted (Harpenden)	5	29	38	39	320	300
Writtle	6	87	87	35	454	521
Silwood Park (nr Ascot)	2	8	11	25	121	77
East Malling	10			82		
Starcross (nr Exeter)	18	1	10	58	39	80

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals			Accumulated until		
	2020	2018	13/07-19/07 10-year average 2009-18	2020	2018	19/07 10-year average 2009-18
Dundee	4	146	21	10	189	33
Gogarbank (Edinburgh)	1	6	4	7	14	13
Newcastle	*0	1	3	0	1	11
York	3	20		14	45	
Preston	*0	0	2	18	10	27
Kirton	71	50	16	283	89	173
Broom's Barn (Bury St Edmunds)	9	22	14	64	88	257
Wellesbourne	15	4	21	60	44	213
Hereford	*7	2	26	13	33	118
Rothamsted (Harpenden)	57	8	27	150	98	341
Writtle	17	12	12	87	125	297
Silwood Park (nr Ascot)	9	4	15	39	133	91
East Malling	13			96		
Starcross (nr Exeter)	5	2	3	77	53	93

Further information

Please send information on crop aphids to: alex.greenslade@rothamsted.ac.uk

insectsurvey.com/aphid-bulletin

ahdb.org.uk/aphid-news

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