

AHDB Aphid News

Suction-trap period 10 June – 16 June 2019

General

- This bulletin week; with the continued above average rainfall across Britain, the total number of reported aphids have decreased to 70% of those recorded last week.
- Cereal aphid numbers have however increased to 115% of last week, with a doubling of rose-grain aphid and a 50% increase in grain aphid numbers. Accumulated numbers are mostly above the 10yr mean for this stage in the year. The thresholds to justify insecticide sprays for direct feeding damage is for 50% of tillers to be infested before GS61 increasing to 66% of tillers infested from GS61 to two weeks before the end of grain filling.
- Peach-potato aphids decreased to half of that of last week, but with numbers still rising at sites in Northern Britain as well as Starcross.
- Potato aphid numbers also halved across much of Britain apart from Dundee, Newcastle and Kirton.
- Cabbage aphids increased at five sites, but total numbers are down to a third of last week.
- Single currant-lettuce aphids were recorded from Rothamsted and Starcross.
- Willow-carrot aphid numbers declined to around 40% of last week across all sites but Starcross.
- Pea aphid increased at seven sites this week, reaching double figures at three. Combining peas should be sprayed when around 20% of plants are infested and vining peas when 15% are infested.
- Black bean aphid numbers have substantially increased at seven sites this week, with a hotspot at Silwood Park. The threshold for black bean aphid in field and broad beans is 10% colonisation.

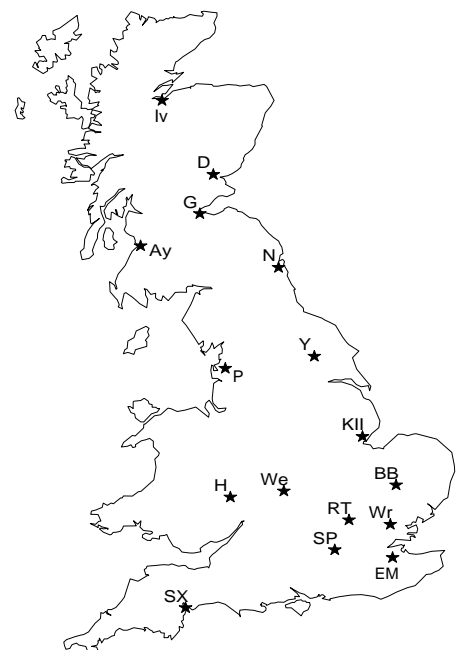
Monitoring crops is advised.

Suction-trap locations

AHDB Aphid News is based on information on aphid species and numbers from the Rothamsted Research/SASA suction-trap (ST) network. The traps are located at:

Inverness (Iv), Dundee (D), Gogarbank (G), Ayr (Ay), Newcastle (N), Preston (P), York (Y), Kirton (K), Broom's Barn (BB), Wellesbourne (We), Hereford (H), Rothamsted Tower (RT), Writtle (Wr), Silwood Park (SP), East Malling* (EM) and Starcross (SX).

* The East Malling (EM) trap will start operating during 2019.



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.

Rose-grain aphid (<i>Metopolophium dirhodum</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	10	0	1	12	2	6
Gogarbank (Edinburgh)	9	1	10	32	2	34
Newcastle	*28	1	2	40	2	5
York	35	0		61	0	
Preston	12	2	9	67	6	42
Kirton	64	1	8	101	3	24
Broom's Barn (Bury St Edmunds)	56	1	32	101	3	54
Wellesbourne	41	4	9	121	18	23
Hereford	4	12	11	53	23	24
Rothamsted (Harpenden)	7	5	12	47	14	23
Writtle	19	8	10	24	14	29
Silwood Park (nr Ascot)	5	2	7	34	8	20
East Malling	/			0		
Starcross (nr Exeter)	25	4	40	125	37	87

Bird cherry-oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	3	4	6	22	54	21
Gogarbank (Edinburgh)	1	7	7	16	52	26
Newcastle	*0	2	7	9	20	20
York	24	3		216	27	
Preston	27	1	11	145	8	84
Kirton	9	0	41	77	21	81
Broom's Barn (Bury St Edmunds)	12	6	58	130	27	122
Wellesbourne	19	2	25	97	19	81
Hereford	10	0	8	72	13	39
Rothamsted (Harpenden)	14	1	17	154	23	51
Writtle	18	3	13	79	21	82
Silwood Park (nr Ascot)	3	4	26	105	40	93
East Malling	/			0		
Starcross (nr Exeter)	26	53	27	149	111	117

Grain aphid (<i>Sitobion avenae</i>)	Bulletin Week Totals			10/06-16/06			Accumulated until			16/06
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18	
Dundee	6	0	1	14	1	4				
Gogarbank (Edinburgh)	8	2	4	27	9	12				
Newcastle	*14	0	1	15	1	3				
York	13	3		39	3					
Preston	4	1	4	48	7	32				
Kirton	5	0	1	27	7	8				
Broom's Barn (Bury St Edmunds)	43	0	2	57	3	9				
Wellesbourne	6	1	5	37	7	18				
Hereford	1	0	2	24	8	11				
Rothamsted (Harpenden)	14	1	2	32	6	7				
Writtle	11	1	1	19	8	7				
Silwood Park (nr Ascot)	5	0	3	21	5	13				
East Malling	/			0						
Starcross (nr Exeter)	6	2	5	27	9	23				

Peach-potato aphid (<i>Myzus persicae</i>)	Bulletin Week Totals			10/06-16/06			Accumulated until			16/06
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18	
Dundee	12	0	1	20	0	2				
Gogarbank (Edinburgh)	3	0	2	4	0	4				
Newcastle	*14	0	1	17	0	2				
York	94	0		158	3					
Preston	10	0	3	22	0	6				
Kirton	57	3	16	202	4	42				
Broom's Barn (Bury St Edmunds)	95	14	87	1170	25	248				
Wellesbourne	84	48	154	318	73	301				
Hereford	16	26	37	103	30	73				
Rothamsted (Harpenden)	6	9	28	215	23	81				
Writtle	46	25	46	150	74	138				
Silwood Park (nr Ascot)	3	2	10	43	19	27				
East Malling	/			0						
Starcross (nr Exeter)	14	12	8	52	26	45				

Potato aphid (<i>Macrosiphum euphorbiae</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	1	0	2	3	6	6
Gogarbank (Edinburgh)	1	1	4	9	16	15
Newcastle	*9	0	1	12	2	6
York	4	0		13	1	
Preston	9	3	3	87	5	13
Kirton	7	1	2	15	3	11
Broom's Barn (Bury St Edmunds)	2	0	2	33	2	6
Wellesbourne	19	0	3	83	3	16
Hereford	20	0	4	77	3	18
Rothamsted (Harpenden)	4	0	1	43	3	6
Writtle	5	2	3	33	12	16
Silwood Park (nr Ascot)	3	0	2	52	5	11
East Malling	/			0		
Starcross (nr Exeter)	19	5	5	68	30	16

Cabbage aphid (<i>Brevicoryne brassicae</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	0	0	0	0	0
Gogarbank (Edinburgh)	1	0	0	3	0	3
Newcastle	*5 #	0	0	5	0	0
York	0	0		0	1	
Preston	0	0	10	1	1	15
Kirton	2	0	5	30	1	10
Broom's Barn (Bury St Edmunds)	1	1	3	117	2	18
Wellesbourne	12	0	135	28	0	188
Hereford	0	4	82	24	15	101
Rothamsted (Harpenden)	1	0	2	13	1	4
Writtle	12	31	7	78	111	23
Silwood Park (nr Ascot)	0	1	2	3	3	13
East Malling	/			0		
Starcross (nr Exeter)	2	1	7	11	20	31

Willow-carrot aphid (<i>Cavariella aegopodii</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	3	15	15	171	61	68
Gogarbank (Edinburgh)	13	10	25	294	48	59
Newcastle	*9	0	20	41	9	44
York	6	8		589	108	
Preston	24	11	113	500	73	434
Kirton	5	26	71	258	209	514
Broom's Barn (Bury St Edmunds)	4	11	92	212	720	702
Wellesbourne	15	8	126	523	274	437
Hereford	19	4	35	278	43	268
Rothamsted (Harpenden)	1	6	54	188	109	302
Writtle	11	13	103	63	560	855
Silwood Park (nr Ascot)	0	7	32	170	203	222
East Malling	/			0		
Starcross (nr Exeter)	24	12	22	172	100	112

Pea aphid (<i>Acyrtosiphon pisum</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	0	0	4	0	1
Gogarbank (Edinburgh)	0	0	0	1	2	2
Newcastle	*5	0	0	7	2	1
York	8	3		9	6	
Preston	0	3	1	2	5	3
Kirton	28	1	2	68	5	8
Broom's Barn (Bury St Edmunds)	14	3	9	39	8	19
Wellesbourne	5	3	14	41	9	28
Hereford	4	4	5	15	11	19
Rothamsted (Harpenden)	5	1	7	41	4	21
Writtle	12	2	8	25	3	25
Silwood Park (nr Ascot)	5	5	7	31	10	21
East Malling	/			0		
Starcross (nr Exeter)	6	2	7	30	14	22

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals			Accumulated until		
	2019	2018	10/06-16/06 10-year average 2009-18	2019	2018	16/06 10-year average 2009-18
Dundee	0	0	0	5	1	2
Gogarbank (Edinburgh)	1	0	1	9	1	3
Newcastle	*0	0	0	0	0	0
York	0	0		0	0	
Preston	0	0	0	0	2	2
Kirton	2	0	0	3	0	1
Broom's Barn (Bury St Edmunds)	2	4	3	19	17	11
Wellesbourne	6	1	2	12	3	6
Hereford	0	0	0	8	0	1
Rothamsted (Harpenden)	7	0	3	55	1	6
Writtle	13	2	2	29	3	7
Silwood Park (nr Ascot)	35	3	4	79	7	10
East Malling	/			0		
Starcross (nr Exeter)	8	2	7	20	6	14

Further information

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

insectsurvey.com

ahdb.org.uk/aphid-news

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