

# AHDB Aphid News

Suction-trap period 27 May to 2 June 2019

## General

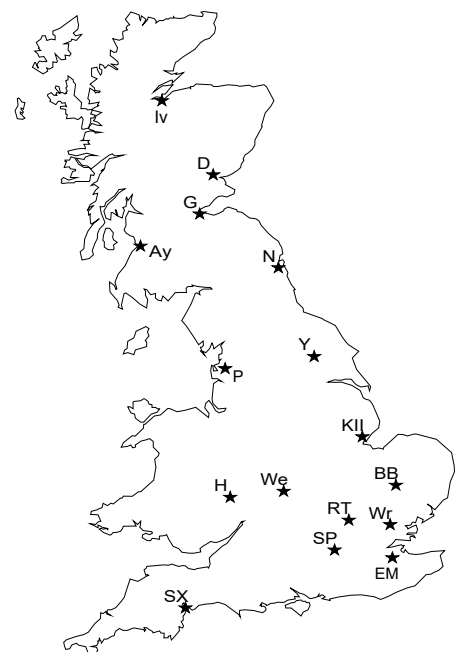
- Average air temperatures remained above the long-term average across Britain.
- In general, the total number of aphids is similar to last week.
- Two first arrivals were recorded. Writtle recorded seven part-catches this week.
- Cereal aphid numbers have increased (around 125% compared to last week). Accumulated numbers are mostly above the 10-year mean. 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.
- There was a hotspot of peach–potato aphids at Broom’s Barn, as well as a first arrival at Gogarbank.
- Potato aphids reached double figures at four sites in England.
- Cabbage aphid numbers have declined over much of Southern Britain but there is a hotspot at Broom’s Barn and rising numbers at Kirton.
- A single currant–lettuce aphid was recorded from Newcastle.
- Willow–carrot aphid numbers have declined by 40% across all sites but Gogarbank and Starcross.
- Pea aphid increased at three sites this week, including first arrivals at Hereford. Combining peas should be sprayed when around 20% of plants are infested and vining peas when 15% are infested.
- Black bean aphids have returned to single figures this week. 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	27/06-02/06 10-year average 2009-18	2019	2018	02/06 10-year average 2009-18
Dundee	1	1	2	2	2	4
Gogarbank (Edinburgh)	8	0	14	17	0	16
Newcastle	*2	1	0	7	1	1
York	*16	0		24	0	
Preston	*19	0	8	47	1	15
Kirton	6	1	4	14	1	8
Broom's Barn (Bury St Edmunds)	15	0	4	34	0	9
Wellesbourne	*15	0	4	40	0	7
Hereford	*8	3	4	21	4	6
Rothamsted (Harpenden)	15	1	3	25	3	6
Writtle	0	0	2	1	1	8
Silwood Park (nr Ascot)	*4	1	3	26	4	8
East Malling	/			0		
Starcross (nr Exeter)	46	10	7	84	24	23

Bird cherry-oat aphid ( <i>Rhopalosiphum padi</i> )	Bulletin Week Totals			Accumulated until		
	2019	2018	27/06-02/06 10-year average 2009-18	2019	2018	02/06 10-year average 2009-18
Dundee	1	22	5	13	28	8
Gogarbank (Edinburgh)	5	2	7	12	9	10
Newcastle	*7	11	7	9	12	10
York	*67	4		116	17	
Preston	*37	5	17	90	6	45
Kirton	12	4	12	47	10	28
Broom's Barn (Bury St Edmunds)	22	5	9	96	15	33
Wellesbourne	*8	3	26	55	15	42
Hereford	*6	1	11	31	9	21
Rothamsted (Harpenden)	53	5	8	125	10	22
Writtle	1	5	22	37	14	47
Silwood Park (nr Ascot)	*20	3	9	90	25	47
East Malling	/			0		
Starcross (nr Exeter)	29	21	14	100	28	68

Grain aphid ( <i>Sitobion avenae</i> )	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	2	0	0	5	0	1
Gogarbank (Edinburgh)	5	0	2	12	0	2
Newcastle	*0	0	1	1	0	2
York	*2	0		10	0	
Preston	*14	1	12	41	1	18
Kirton	4	3	2	9	3	3
Broom's Barn (Bury St Edmunds)	2	0	0	12	1	4
Wellesbourne	*1	2	4	10	2	8
Hereford	*2	3	2	10	4	5
Rothamsted (Harpenden)	2	2	2	15	5	4
Writtle	0	1	1	3	4	4
Silwood Park (nr Ascot)	*2	2	2	16	2	7
East Malling	/			0		
Starcross (nr Exeter)	6	1	2	17	2	13

peach-potato aphid ( <i>Myzus persicae</i> )	Bulletin Week Totals			Accumulated until		
	2019	2018	10-year average 2009-18	2019	2018	10-year average 2009-18
Dundee	0	0	0	3	0	1
Gogarbank (Edinburgh)	1 #	0	1	1	0	1
Newcastle	*0	0	0	1	0	0
York	*5	0		22	2	
Preston	*5	0	0	6	0	1
Kirton	61	0	5	74	0	9
Broom's Barn (Bury St Edmunds)	244	0	30	517	0	75
Wellesbourne	*32	1	43	129	2	80
Hereford	*11	1	7	30	1	12
Rothamsted (Harpenden)	32	0	11	188	2	22
Writtle	0	3	20	43	8	41
Silwood Park (nr Ascot)	*2	6	6	36	9	13
East Malling	/			0		
Starcross (nr Exeter)	9	1	5	25	5	26

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	0	1	1	2	1	2
Gogarbank (Edinburgh)	1	5	5	6	5	6
Newcastle	*0	1	2	3	2	3
York	*0	1		1	1	
Preston	*23	0	1	41	0	3
Kirton	1	0	4	4	1	7
Broom's Barn (Bury St Edmunds)	6	1	1	25	1	3
Wellesbourne	*16	1	5	33	1	10
Hereford	*9	2	5	28	2	6
Rothamsted (Harpenden)	1	0	1	24	0	2
Writtle	0	5	4	11	7	8
Silwood Park (nr Ascot)	*12	2	1	35	3	6
East Malling	/			0		
Starcross (nr Exeter)	13	6	2	28	9	7

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	2	2	0	2
Newcastle	*0	0	0	0	0	0
York	*0	0		0	1	
Preston	*0	1	0	1	1	1
Kirton	10	0	3	12	1	5
Broom's Barn (Bury St Edmunds)	72	0	5	100	0	6
Wellesbourne	*1	0	31	13	0	44
Hereford	*4	3	4	14	3	5
Rothamsted (Harpenden)	0	0	1	12	0	1
Writtle	0	3	3	7	3	5
Silwood Park (nr Ascot)	*0	1	7	3	2	10
East Malling	/			0		
Starcross (nr Exeter)	1	14	6	8	14	13

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	54	7	13	130	10	20
Gogarbank (Edinburgh)	132	6	16	245	7	18
Newcastle	*5	5	10	20	8	13
York	*151	26		555	51	
Preston	*56	22	127	427	28	179
Kirton	93	68	179	232	90	328
Broom's Barn (Bury St Edmunds)	49	495	268	194	626	437
Wellesbourne	*76	101	133	459	152	179
Hereford	*44	17	108	201	19	142
Rothamsted (Harpenden)	33	82	122	179	93	152
Writtle	0	230	291	31	264	394
Silwood Park (nr Ascot)	*35	87	61	169	160	151
East Malling	/			0		
Starcross (nr Exeter)	51	50	25	138	66	59

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	1	0	0	3	0	0
Gogarbank (Edinburgh)	0	1	0	0	1	0
Newcastle	*0	1	1	2	1	1
York	*0	0		1	0	
Preston	*0	0	0	2	0	1
Kirton	22	0	1	32	1	3
Broom's Barn (Bury St Edmunds)	2	2	1	20	2	5
Wellesbourne	*2	1	6	29	1	10
Hereford	*4 #	0	2	4	3	7
Rothamsted (Harpenden)	2	0	4	27	0	9
Writtle	0	1	3	12	1	9
Silwood Park (nr Ascot)	*0	1	2	25	2	9
East Malling	/			0		
Starcross (nr Exeter)	13	5	2	23	5	7

Black bean aphid ( <i>Aphis fabae</i> )	Bulletin Week Totals			Accumulated until		
	2019	2018	27/06-02/06 10-year average 2009-18	2019	2018	02/06 10-year average 2009-18
Dundee	2	0	1	4	0	1
Gogarbank (Edinburgh)	1	0	1	8	0	2
Newcastle	*0	0	0	0	0	0
York	*0	0		0	0	
Preston	*0	0	0	0	0	0
Kirton	0	0	0	1	0	0
Broom's Barn (Bury St Edmunds)	2	3	2	15	11	4
Wellesbourne	*1	1	2	6	1	2
Hereford	*0	0	0	8	0	1
Rothamsted (Harpenden)	2	1	1	48	1	2
Writtle	0	0	1	13	0	3
Silwood Park (nr Ascot)	*5	0	2	42	0	4
East Malling	/			0		
Starcross (nr Exeter)	3	1	3	7	2	5

### Further information

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

[insectsurvey.com](http://insectsurvey.com)

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