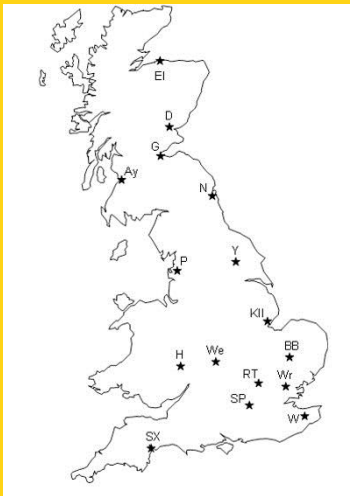


increasing in bean crops in southern England. The threshold for black bean aphid in field and broad beans is 10% plant colonisation at early flowering. A lower threshold of 5% infested is advised to prevent virus transmission.



Suction-trapping Results

The information below relates to suction-trap samples collected during Bulletin Week 9: 22/5 – 28/5.

‘*’ indicates where totals have been corrected proportionally to seven days, fewer days’ samples having been processed and **0 = none so far this year.**

Rose-grain aphid (Metopolophium dirhodum)	Bulletin Week Totals		22/05-28/05		Accumulated until		28/05
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	/		0	0	12	0	1
Gogarbank (Edinburgh)	*66	↑	1	1	78	1	2
Newcastle	*0		0	1	0	3	3
York	*7	↑	4	/	11	6	/
Preston	*49	↑	3	3	90	6	8
Kirton	*14	↓	5	3	35	12	7
Broom’s Barn (Bury St Edmunds)	*28	↑	12	4	35	23	10
Wellesbourne	*14	↑	16	5	16	27	9
Hereford	*20	↑	6	5	26	16	8
Rothamsted (Harpenden)	*6	↑	15	2	7	27	6
Writtle	*14	↑	12	3	18	36	10
Silwood Park (nr Ascot)	*11	↑	7	2	14	16	8
Wye	*0	↓	0	1	5	5	3
Starcross (nr Exeter)	*32	↑	1	7	72	44	23

The rose-grain aphid was caught at eleven sites, increasing at ten and with numbers highest at Edinburgh (66) Preston (49) and Starcross (32). Numbers are above the 10-yr means at many sites.

Bird cherry–oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals		22/05-28/05		Accumulated until		28/05
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	/		3	3	5	9	5
Gogarbank (Edinburgh)	*25	↑	2	2	34	3	5
Newcastle	*32	↑	0	3	38	5	8
York	*4	↑	13	/	10	22	/
Preston	*126	↓	8	3	366	19	13
Kirton	*28	↑	49	17	43	124	44
Broom's Barn (nr Bury St Edmunds)	*50	↑	36	16	59	203	51
Wellesbourne	*51	↑	80	21	61	120	44
Hereford	*50	↑	59	12	60	104	27
Rothamsted (Harpenden)	*14	↑	55	11	20	134	34
Writtle	*25	↑	164	29	40	350	68
Silwood Park (nr Ascot)	*4	↓	14	11	19	117	53
Wye	*0	↓	20	34	17	154	82
Starcross (nr Exeter)	*49	↑	101	20	103	410	119

The bird cherry–oat aphid was caught at twelve sites this bulletin week. Numbers were up on last week at ten sites and highest at Preston (126). Numbers are noticeably above the 10-yr mean at Preston but not so elsewhere.

Grain aphid (<i>Sitobion avenae</i>)	Bulletin Week Totals		22/05-28/05		Accumulated until		28/05
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	/		0	1	2	3	2
Gogarbank (Edinburgh)	*21	↑	0	1	21	0	1
Newcastle	*4	↑	0	1	6	5	5
York	*0	↓	3	/	8	6	/
Preston	*49	↑	1	2	108	1	4
Kirton	*8	↑	2	3	9	9	6
Broom's Barn (nr Bury St Edmunds)	*0		1	2	2	16	5
Wellesbourne	*0		6	7	1	25	21
Hereford	*11	↑	2	3	15	11	7
Rothamsted (Harpenden)	*6	↑	2	1	8	14	4
Writtle	*0		0	1	0	19	6
Silwood Park (nr Ascot)	*0	↓	5	2	4	15	8
Wye	*0		6	2	2	39	9
Starcross (nr Exeter)	*0	↓	4	2	28	28	18

The grain aphid was caught at six sites this week, with highest numbers at Preston (49) and Edinburgh (21). Accumulated numbers are highest in western England and at Edinburgh.

Peach–potato aphid (<i>Myzus persicae</i>)	Bulletin Week Totals		22/05-28/05		Accumulated until		28/05
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	/		0	0	1	0	0
Gogarbank (Edinburgh)	*6	↑	0	0	8	0	1
Newcastle	*0		0	1	0	0	2
York	*39	↑	6	/	48	12	/
Preston	*0	↓	0	1	2	0	2
Kirton	*36	↑	7	7	47	26	14
Broom's Barn (nr Bury St Edmunds)	*470	↑	12	37	494	48	105
Wellesbourne	*257	↑	32	20	283	43	61
Hereford	*90	↑	14	8	114	25	16
Rothamsted (Harpenden)	*42	↑	44	20	61	66	47
Writtle	*34	↑	84	49	37	155	98
Silwood Park (nr Ascot)	*4	↑	4	5	7	13	13
Wye	*35	↑	13	29	62	21	49
Starcross (nr Exeter)	*14	↑	6	6	53	37	31

The peach–potato aphid was caught at eleven sites this week, with numbers increasing at eleven sites and highest numbers at Broom's Barn (470) and Wellesbourne (257).

Potato aphid (<i>Macrosiphum euphorbiae</i>)	Bulletin Week Totals		22/05-28/05		Accumulated until		28/05
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	/		1	1	5	1	1
Gogarbank (Edinburgh)	*22	↑	0	2	33	0	3
Newcastle	*5	↓	1	2	15	1	4
York	*14	↑	2	/	23	4	/
Preston	*14	↑	1	2	19	9	4
Kirton	*36	↑	4	2	46	8	5
Broom's Barn (nr Bury St Edmunds)	*0		0	1	7	0	5
Wellesbourne	*28	↑	1	2	42	3	7
Hereford	*53	↑	6	2	65	6	4
Rothamsted (Harpenden)	*0	↓	2	1	4	6	4
Writtle	*20	↑	2	3	27	12	10
Silwood Park (nr Ascot)	*7	↑	6	2	8	8	7
Wye	*14	↑	0	0	18	2	2
Starcross (nr Exeter)	*12	↑	0	3	22	2	12

The potato aphid was caught at eleven sites this bulletin week, with highest numbers at Hereford (53). Numbers are above the 10-yr means for this time of year at many sites.

Cabbage aphid (<i>Brevicoryne brassicae</i>)	Bulletin Week Totals		22/05-28/05		Accumulated until		28/05
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee			0	0	0	0	0
Gogarbank (Edinburgh)	*6	↑	0	0	8	0	0
Newcastle	*0		0	0	0	0	0
York	*0		2	/	0	2	/
Preston	*0		0	0	0	0	2
Kirton	*0		20	12	0	45	17
Broom's Barn (nr Bury St Edmunds)	*50	↑	13	7	53	14	12
Wellesbourne	*28	↑	49	26	30	68	48
Hereford	*36	↑	36	27	37	39	34
Rothamsted (Harpenden)	*0		1	3	0	2	6
Writtle	*6	↑	17	32	7	25	44
Silwood Park (nr Ascot)	*4	↑	4	7	4	4	12
Wye	*0		2	7	0	14	10
Starcross (nr Exeter)	*18	↑	1	6	32	4	22

The mealy cabbage aphid was caught at seven sites this week, with highest numbers at Broom's Barn (50), Wellesbourne (28), Hereford (36) and Starcross (8).

Willow-carrot aphid (<i>Cavariella aegopodii</i>)	Bulletin Week Totals		22/05-28/05		Accumulated until		28/05
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	/		8	7	4	12	14
Gogarbank (Edinburgh)	*25	↑	1	3	30	2	5
Newcastle	*46	↑	0	3	51	1	8
York	*305	↑	51	/	549	81	/
Preston	*294	↑	76	101	377	122	198
Kirton	*448	↑	140	115	698	306	299
Broom's Barn (nr Bury St Edmunds)	*280	↑	59	261	495	159	455
Wellesbourne	*621	↑	64	80	759	91	114
Hereford	*406	↑	10	123	707	21	164
Rothamsted (Harpenden)	*67	↑	78	156	110	109	213
Writtle	*126	↑	226	357	234	315	549
Silwood Park (nr Ascot)	*39	↑	58	54	105	76	155
Wye	*77	↑	51	142	138	141	210
Starcross (nr Exeter)	*42	↑	20	27	129	84	64

The willow-carrot aphid was caught at all sites this week, with numbers increasing at all of them. The highest numbers were at York (305), Preston (294), Kirton (448), Broom's Barn (280), Wellesbourne (621) and Hereford (406).

Pea aphid (<i>Acyrtosiphon pisum</i>)	Bulletin Week Totals		22/05-28/05		Accumulated until		28/05
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	/		0	0	0	0	0
Gogarbank (Edinburgh)	*1	↑	0	0	1	0	0
Newcastle	*0		0	0	0	0	0
York	*0	↓	2	/	1	5	/
Preston	*0		1	0	1	2	1
Kirton	*0	↓	2	1	4	8	4
Broom's Barn (nr Bury St Edmunds)	*11	↑	3	3	17	24	8
Wellesbourne	*0		17	5	0	42	12
Hereford	*11	↑	27	5	12	60	10
Rothamsted (Harpenden)	*3	↑	39	8	3	74	15
Writtle	*8	↑	16	6	8	59	14
Silwood Park (nr Ascot)	*4	↑	19	4	7	38	11
Wye	*7	↑	6	2	9	20	7
Starcross (nr Exeter)	*7	↑	5	3	11	20	13

The pea aphid was caught in low numbers at eight sites this week.

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals		22/05-28/05		Accumulated until		28/05
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	/		0	0	0	0	1
Gogarbank (Edinburgh)	*3	↑	0	0	5	0	0
Newcastle	*0		0	0	0	0	0
York	*7	↑	0	/	7	0	/
Preston	*0	↓	0	0	2	1	0
Kirton	*0		0	0	0	1	0
Broom's Barn (nr Bury St Edmunds)	*6	↑	0	2	8	1	4
Wellesbourne	*2	↑	0	1	4	0	2
Hereford	*0	↓	0	0	3	0	1
Rothamsted (Harpenden)	*3	↑	0	2	5	0	2
Writtle	*6	↑	0	2	18	0	4
Silwood Park (nr Ascot)	*0		0	2	2	0	5
Wye	*7	↑	0	2	11	0	3
Starcross (nr Exeter)	*9		2	3	23	10	5

The black bean aphid was caught in low numbers at eight sites this week, with highest numbers at Starcross (9). Accumulated numbers are above the 10-yr means at Writtle, Wye and Starcross.

Further information

Please send information on crop aphids to: mark-s.taylor@rothamsted.ac.uk

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