

Things are hotting up!

The aphids flying during Bulletin week 10: 24-30/6 were very diverse and numbers, although low compared to the same time in previous years, are on the increase. Natural enemies are few and far between at present and so late crops may still be vulnerable if the forecasted heatwave materialises.

The tables below show current and accumulated numbers for species of importance to field vegetables and sugar beet with comparisons to previous years. A / indicates that identifications have not been completed and a * where totals are corrected to seven days.

Cabbage aphid – *Brevicoryne brassicae*

Current totals			Cabbage aphid	Compared to last week	Accumulated up to 30/06		
2013	2012	03-12			2013	2012	03-12
0	0	0	Dundee		0	0	1
0	1	0	Gogarbank (Edinburgh)		0	1	3
0	0	0	Newcastle		0	0	8
0	0	2	Preston		0	1	24
0	1	3	Kirton		0	3	80
1	2	47	Broom's Barn (nr Bury St Edmunds)	↑	1	41	213
0	/	/	Wellesbourne		0	/	/
0	1	19	Hereford		0	109	164
0	1	122	Rothamsted (Harpenden)		0	23	211
1	1	146	Writtle		2	31	560
/	/	17	Silwood Park (nr Ascot)		0	/	46
/	/	11	Wye		0	/	90
1	1	44	Starcross (nr Exeter)	↑	2	109	184

The first cabbage aphid has been caught at Broom's Barn this week, five days later than forecast. Single cabbage aphids were caught at three sites this week.

Willow-carrot aphid – *Cavariella aegopodii*

Current totals 24-30/06			Willow-carrot aphid	Compared to last week	Accumulated up to 30/06		
2013	2012	03-12			2013	2012	03-12
0	3	1	Dundee	↓	9	37	48
0	33	6	Gogarbank (Edinburgh)	↓	2	154	87
1	27	11	Newcastle	↑	3	236	101
14	5	36	Preston	↓	277	381	468
24	21	45	Kirton	↓	98	209	610
64	9	25	Broom's Barn (nr Bury St Edmunds)	↓	512	1083	791
*116	/	/	Wellesbourne	↓	498	/	/
37	12	9	Hereford	↓	285	662	349
10	17	26	Rothamsted (Harpenden)	↓	161	767	418
27	10	29	Writtle	↓	195	2312	913
/	/	5	Silwood Park (nr Ascot)		117	/	215
/	/	20	Wye		49	/	340
113	1	4	Starcross (nr Exeter)	↓	485	117	115

The willow-carrot aphid was caught at ten sites with numbers decreasing at ten sites, but highest at Broom's Barn (64), Wellesbourne (116) and Starcross (113). Accumulated numbers at Starcross are above the ten year mean for the time of year.

Currant-lettuce aphid – *Nasonovia ribisnigri*

Current totals 24-30/06			Currant-lettuce aphid	Compared to last week	Accumulated up to 30/06		
2013	2012	03-12			2013	2012	03-12
0	1	0	Dundee		0	1	1
0	0	0	Gogarbank (Edinburgh)		0	2	1
0	0	0	Newcastle		0	0	0
0	0	1	Preston		0	0	3
0	0	0	Kirton		0	1	2
1	0	0	Broom's Barn (nr Bury St Edmunds)	↑	1	0	1
0	/	/	Wellesbourne	↓	6	/	/
0	0	1	Hereford		1	0	4
1	0	1	Rothamsted (Harpenden)	↑	3	1	4
0	0	0	Writtle		0	1	1
/	/	0	Silwood Park (nr Ascot)		0	/	1
/	/	11	Wye		0	/	2
2	0	1	Starcross (nr Exeter)	↑	6	0	4

The currant-lettuce aphid was caught at three sites this week (Broom's Barn, Rothamsted and Starcross).

Potato aphid – *Macrosiphum euphorbiae*

Current totals 24-30/06			Potato aphid	Compared to last week	Accumulated up to 30/06		
2013	2012	03-12			2013	2012	03-12
*5	0	1	Dundee	↑	7	4	13
1	0	9	Gogarbank (Edinburgh)		3	32	57
2	0	2	Newcastle	↑	5	25	17
2	1	6	Preston	↓	17	21	30
2	1	18	Kirton	↑	3	21	55
6	0	18	Broom's Barn (nr Bury St Edmunds)	↑	9	2	42
*7	/	/	Wellesbourne		20	/	/
3	1	10	Hereford	↓	8	7	55
1	0	4	Rothamsted (Harpenden)	↓	7	4	21
4	1	9	Writtle	↓	13	5	43
/	/	1	Silwood Park (nr Ascot)		1	/	14
/	/	1	Wye		0	/	16
9	1	5	Starcross (nr Exeter)	↓	34	17	44

Potato aphids were caught at twelve sites this week in low numbers, with highest numbers at Starcross (9).

Peach-potato aphid – *Myzus persicae*

Current totals 24-30/06			Peach-potato aphid	Compared to last week	Accumulated up to 30/06		
2013	2012	03-12			2013	2012	03-12
0	3	49	Dundee		0	3	224
0	3	2	Gogarbank (Edinburgh)		0	3	10
0	1	1	Newcastle		0	4	16
1	4	21	Preston	↓	3	13	108
1	140	64	Kirton	↓	5	240	287
30	149	118	Broom's Barn (nr Bury St Edmunds)	↑	50	426	538
0	/	/	Wellesbourne		0	/	/
0	41	20	Hereford		0	122	104
0	43	82	Rothamsted (Harpenden)	↓	3	209	276
19	56	150	Writtle	↑	25	190	550
/	/	7	Silwood Park (nr Ascot)		0	/	44
/	/	16	Wye		11	/	188
1	11	15	Starcross (nr Exeter)	↓	11	121	79

Peach-potato aphids were caught at five sites this week with numbers highest at Broom's Barn (30) and Writtle (19).

Summary:

- Willow–carrot aphids numbers have started to decrease in the suction traps. Accumulated numbers for 2013 at Starcross are above the ten year mean.
- Peach–potato aphid suction trap numbers are low for the time of year, but are now increasing, especially in eastern England. Potato aphid numbers are low but spread right across the Country.
- Yellow water trays placed by Broom’s Barn at twenty eight sites in sugar beet areas caught 387 peach–potato aphids and one potato aphid during the period 26/6–2/7. As in the two previous weeks most (356) of the peach–potato aphids were caught at one site near Cambridge, with just two other sites making up the total.
- Currant–lettuce aphids and cabbage aphids were both caught at three sites this week in very low numbers.
- Pea aphids and black bean aphids were caught in low numbers with highest numbers in south western England.
- Field reports of peach–potato aphids, pea aphids and black bean aphids suggest numbers are low and well below thresholds, but may still cause damage, particularly in late crops.

This news sheet is accompanied by aphid data bulletin no.10: 24/6 - 30/6/2013 , which you can view at <http://www.rothamsted.ac.uk/insect-survey/> .

Please feed back any information on aphid in crops.

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