

21st June
2013

Aphid News

2013 No. 8



We have lift off.....

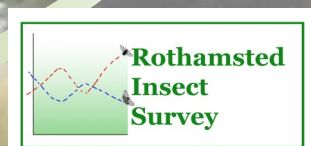
Generally during Bulletin 8: 10-16/6 warmer weather resulted in an increase in aphid flights. Aphid numbers are low compared to the same time in previous years but could still take advantage of the late cropping season and lack of natural predators if conditions allow.

The tables below show species of importance to field vegetables and sugar beet which have appeared for the first time at specific sites, together with forecast dates where available, their time of first arrival last year, and the average time of their first arrival over the last ten years. A second table shows current and accumulated numbers with comparisons to previous years. A / indicates that identifications have not been completed.

Cabbage aphid – *Brevicoryne brassicae*

Cabbage Aphid	FIRST ARRIVALS			
	2013	forecast	2012	03-12
Dundee	0	30/7	/	6/7
Gogarbank (Edinburgh)	0	28/7	28/6	24/6
Newcastle	0	8/8	/	26/6
Preston	0	25/7	29/5	30/5
Kirton	0	14/7	30/5	1/6
Broom's Barn (nr Bury St Edmunds)	0	22/6	23/5	28/5
Wellesbourne	0	/	24/5	12/5
Hereford	0	26/6	21/5	26/5
Rothamsted (Harpenden)	0	26/6	23/5	27/5
Writtle	0	12/6	22/5	22/5
Silwood Park (nr Ascot)	0	21/6	9/5	20/5
Wye	0	15/6	22/5	30/5
Starcross (nr Exeter)	3/6	18/5	19/5	1/5

No cabbage aphids has been caught in the suction traps this week.



Willow-carrot aphid – *Cavariella aegopodii*

Current totals 10-16/06			Willow-carrot aphid	Compared to last week	Accumulated up to 16/06		
2013	2012	03-12			2013	2012	03-12
4	12	8	Dundee	↑	4	30	45
1	40	15	Gogarbank (Edinburgh)	↑	1	76	71
2	12	13	Newcastle	↑	2	142	84
138	54	44	Preston	↑	200	346	415
25	22	52	Kirton	↑	31	156	548
183	31	33	Broom's Barn (nr Bury St Edmunds)	↑	249	1045	759
18	/	/	Wellesbourne	↓	85	/	/
56	17	12	Hereford	↑	104	649	336
26	62	30	Rothamsted (Harpenden)	↑	71	724	385
35	40	30	Writtle	↓	120	2281	880
9	/	9	Silwood Park (nr Ascot)	↓	78	/	208
8	12	14	Wye	↑	28	/	312
19	5	11	Starcross (nr Exeter)	↓	216	115	108

The first willow-carrot aphids were caught at Dundee and Edinburgh about a month later, and at Newcastle about three weeks later than the ten year mean. The willow-carrot aphid was caught at fourteen sites with numbers increasing at nine sites and highest at Preston (138) and Broom's Barn (183). Accumulated numbers at Starcross are above the ten year mean for the time of year.

Currant-lettuce aphid – *Nasonovia ribisnigri*

Currant-lettuce aphid	FIRST ARRIVALS		
	2013	2012	03-12
Dundee	0	27/6	8/6
Gogarbank (Edinburgh)	0	27/5	10/7
Newcastle	0	/	9/6
Preston	0	11/7	1/6
Kirton	0	30/5	20/6
Broom's Barn (nr Bury St Edmunds)	0	26/9	1/7
Wellesbourne	3/6	/	8/5
Hereford	30/5	17/7	31/5
Rothamsted (Harpenden)	11/6	26/5	6/6
Writtle	0	23/5	29/5
Silwood Park (nr Ascot)	0	/	31/5
Wye	0	/	6/6
Starcross (nr Exeter)	2/6	/	10/6

The first currant-lettuce aphid has been caught at Rothamsted five days later than the ten year mean.

Potato aphid – *Macrosiphum euphorbiae*

Potato aphid	FIRST ARRIVALS			
	2013	forecast	2012	03-12
Dundee	0	2/6	23/5	25/5
Gogarbank (Edinburgh)	5/6	25/5	22/5	13/5
Newcastle	12/6	9/6	21/5	29/5
Preston	5/6	29/5	24/5	15/5
Kirton	0	23/5	19/6	13/5
Broom's Barn (nr Bury St Edmunds)	16/6	5/6	10/6	15/5
Wellesbourne	31/5	/	13/5	7/5
Hereford	0	30/5	17/5	9/5
Rothamsted (Harpenden)	16/5	25/5	29/5	12/5
Writtle	27/5	13/5	26/3	29/4
Silwood Park (nr Ascot)	5/6	21/5	23/5	2/5
Wye	0	12/5	23/5	10/5
Starcross (nr Exeter)	25/5	2/5	12/5	29/4

The first potato aphids have been caught at Newcastle and Broom's Barn, three and eleven days later than the forecast. Potato aphids were caught at six sites this week in low numbers.

Peach-potato aphid – *Myzus persicae*

Peach-potato aphid	FIRST ARRIVALS			
	2013	forecast	2012	03-12
Dundee	0	16/6	27/6	2/6
Gogarbank (Edinburgh)	0	17/6	25/6	15/6
Newcastle	0	25/6	25/5	7/6
Preston	0	24/5	28/5	25/5
Kirton	16/6	31/5	8/5	14/5
Broom's Barn (nr Bury St Edmunds)	16/6	5/6	18/5	9/5
Wellesbourne	0	/	9/5	15/4
Hereford	0	19/6	6/5	18/5
Rothamsted (Harpenden)	0	2/6	8/5	15/5
Writtle	14/6	15/5	12/3	27/4
Silwood Park (nr Ascot)	0	24/5	30/4	4/5
Wye	14/6	10/5	9/1	22/4
Starcross (nr Exeter)	2/6	14/5	2/1	15/4

The first peach-potato aphids has been caught at four sites this week, about two weeks later than forecast at Kirton and Broom's Barn, and a month late further south at Writtle and Wye.

Summary:

- **Willow–carrot aphids have been caught at fourteen sites this week with numbers increasing at nine sites and highest at Preston and Broom’s Barn. Accumulated numbers at Starcross are above the ten year mean for the time of year.**
- **Peach–potato aphids made an appearance at four sites this week in low numbers.**
- **The potato aphid has been caught at six sites this week in low numbers.**
- **Yellow water trays placed by Broom’s Barn at twenty eight sites in sugar beet areas caught 75 peach–potato aphids and one potato aphid during the period 12/6–18/6. All but one of the peach–potato aphids were caught at one site near Cambridge.**
- **Two currant–lettuce aphids were caught at Rothamsted this week, but no cabbage aphids in the suction traps anywhere this week.**
- **Pea aphids and black bean aphids were caught at three sites in low numbers.**
- **Field reports suggest a small number of peach–potato aphids can be found on potato and brassica crops across central and southern England and have also been found in a field trial in Scotland. Pea aphids are present in both bean and pea crops but numbers are low.**

This news sheet is accompanied by aphid data bulletin no.8: 10/6 - 16/6/2013 , 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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