

## Some like it hot but maybe too hot for some?

There were lots of non pest aphids flying during Bulletin week 11: 1-7/7, but relatively few crop aphids for the time of year. Natural enemies are now starting to catch up and are having an increasing impact, in particular hoverflies and aphid parasitoids.

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 07/07		
2013	2012	03-12			2013	2012	03-12
0	0	0	Dundee		0	0	3
0	0	1	Gogarbank (Edinburgh)		0	1	3
0	0	1	Newcastle		0	0	8
0	0	2	Preston		0	1	27
0	0	11	Kirton		0	3	92
0	3	55	Broom’s Barn (nr Bury St Edmunds)	↓	1	44	265
/	/	/	Wellesbourne		0	/	/
0	0	17	Hereford		0	109	188
1	2	21	Rothamsted (Harpenden)	↑	1	25	245
*4	0	85	Writtle	↑	6	31	620
/	/	7	Silwood Park (nr Ascot)		0	/	59
/	0	24	Wye		0	/	113
*7	0	17	Starcross (nr Exeter)	↑	9	109	201

The first cabbage aphid has been caught at Rothamsted this week, ten days later than forecast. Cabbage aphids were caught at three sites this week.

## Willow-carrot aphid – *Cavariella aegopodii*

Current totals			01-07/07	Willow-carrot aphid	Compared to last week	Accumulated up to 07/07		
2013	2012	03-12				2013	2012	03-12
0	1	2		Dundee		9	38	51
1	8	10		Gogarbank (Edinburgh)	↑	3	162	90
0	4	6		Newcastle	↓	3	240	106
<b>*18</b>	13	17		Preston	↑	295	394	471
<b>37</b>	15	17		Kirton	↑	135	224	615
<b>117</b>	3	7		Broom's Barn (nr Bury St Edmunds)	↑	629	1086	795
/	/	/		Wellesbourne		498	/	/
<b>97</b>	9	5		Hereford	↑	<b>382</b>	671	353
<b>48</b>	6	7		Rothamsted (Harpenden)	↑	209	773	423
<b>*53</b>	2	5		Writtle	↑	249	2314	918
/	/	1		Silwood Park (nr Ascot)		117	/	216
/	4	9		Wye		49	/	344
<b>*51</b>	2	2		Starcross (nr Exeter)	↓	<b>536</b>	119	115

The willow-carrot aphid was caught at nine sites with numbers increasing at seven sites, and highest at Broom's Barn (117) and Hereford (97). Current numbers are above the ten year mean for this week. Accumulated numbers at Hereford and Starcross are above the accumulated ten year means.

## Currant-lettuce aphid – *Nasonovia ribisnigri*

Current totals			01-07/07	Currant-lettuce aphid	Compared to last week	Accumulated up to 07/07		
2013	2012	03-12				2013	2012	03-12
0	0	0		Dundee		0	1	2
0	0	0		Gogarbank (Edinburgh)		0	2	1
0	0	0		Newcastle		0	0	1
0	0	1		Preston		0	0	3
0	0	1		Kirton		0	1	2
<b>1</b>	0	0		Broom's Barn (nr Bury St Edmunds)		<b>2</b>	0	1
/	/	/		Wellesbourne		6	/	/
0	0	1		Hereford		1	0	6
0	1	1		Rothamsted (Harpenden)	↓	3	2	4
<b>1</b>	0	0		Writtle	↑	1	1	2
/	0	0		Silwood Park (nr Ascot)		0	/	2
/	0	0		Wye		0	/	1
<b>*2</b>	0	1		Starcross (nr Exeter)	↑	<b>8</b>	0	4

The currant-lettuce aphid was caught at three sites this week (Broom's Barn, Writtle and Starcross). Accumulated numbers at Starcross are above the accumulated ten year mean.

## Potato aphid – *Macrosiphum euphorbiae*

Current totals			Potato aphid	Compared to last week	Accumulated up to 07/07		
2013	2012	03-12			2013	2012	03-12
1	1	3	Dundee	↓	8	5	20
2	2	15	Gogarbank (Edinburgh)	↑	5	34	63
*7	0	2	Newcastle	↑	12	25	19
*4	2	5	Preston	↑	21	23	31
11	2	25	Kirton	↑	14	23	65
2	1	11	Broom's Barn (nr Bury St Edmunds)	↓	11	3	51
/	/	/	Wellesbourne		20	/	/
3	0	16	Hereford		11	7	74
2	0	4	Rothamsted (Harpenden)	↑	9	4	25
1	0	6	Writtle	↓	14	5	49
/	/	1	Silwood Park (nr Ascot)		1	/	15
/	4	2	Wye		0	/	17
*2	0	5	Starcross (nr Exeter)	↓	37	17	46

Potato aphids were caught at ten sites this week in low numbers, with numbers increasing at five sites and highest numbers at Kirton (11).

## Peach-potato aphid – *Myzus persicae*

Current totals			Peach-potato aphid	Compared to last week	Accumulated up to 07/07		
2013	2012	03-12			2013	2012	03-12
1	4	128	Dundee	↑	1	7	423
0	5	1	Gogarbank (Edinburgh)		0	8	11
0	2	2	Newcastle		0	6	17
0	140	64	Preston	↓	3	153	112
4	54	138	Kirton	↑	9	294	394
84	78	156	Broom's Barn (nr Bury St Edmunds)	↑	134	504	636
/	/	/	Wellesbourne		0	/	/
8	16	20	Hereford	↑	8	138	117
16	13	95	Rothamsted (Harpenden)	↑	19	222	334
*14	25	144	Writtle	↓	39	215	660
/	/	10	Silwood Park (nr Ascot)		0	/	54
/	25	19	Wye		11	/	204
*2	2	6	Starcross (nr Exeter)	↑	13	123	83

The first peach-potato aphid was caught at Dundee this week, three weeks later than forecast. Peach-potato aphids were caught at seven sites this week, with numbers increasing at six sites and a hotspot at Broom's Barn (84).

### Summary:

- Willow–carrot aphid numbers have increased in seven suction traps and are above the ten year means for this time of year. Accumulated numbers for 2013 at Hereford and Starcross are also above the ten year means.
- Peach–potato aphid suction trap numbers are now slowly increasing, with a hotspot at Broom’s Barn. Numbers of both peach–potato aphid and potato aphid are low for the time of year.
- Yellow water trays placed by Broom’s Barn at twenty eight sites in sugar beet areas caught 25 peach–potato aphids and no potato aphids during the period 3/7–9/7.
- Currant–lettuce aphids and cabbage aphids were both caught at three sites this week in low numbers.
- Pea aphids and black bean aphids were caught throughout the Country in low numbers.
- There are field reports of peach–potato aphids, potato aphids, pea aphids and black bean aphids present in small colonies in sugar beet, potatoes, cabbage, peas and beans, but numbers are low despite the warm weather. Alongside these aphid reports are reports of increasing populations of natural enemies, particularly hoverflies and aphid parasitoids.

This news sheet is accompanied by aphid data bulletin no.11: 1/7 - 7/7/2013 , 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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