

# AHDB Aphid News (01 May 2015 No.3)



Suction-trap network sites

During Bulletin Week 3 (20<sup>th</sup>-26<sup>th</sup> April) a drop in temperatures has slowed crop growth and restricted some aphid flights.

- A couple of rose-grain aphids (*Metopolophium dirhodum*) and bird cherry-oat aphids (*Rhopalosiphum padi*) have been caught in the suction-traps this week, but no grain aphids (*Sitobion avenae*).
- Field reports from eastern England indicate low numbers of all three cereal aphid species in some spring barley crops.
- Field reports from southern England record small foci of BYDV in winter wheat and barley crops where treated seed did not get a follow up spray.
- A first flush of potato aphids (*Macrosiphum euphorbiae*) has been caught this week, with five first arrivals, including a particularly early individual at Broom's Barn, almost a month earlier than the 10yr average and forecast.
- The willow-carrot aphid (*Cavariella aegopodii*) has been caught at four sites this week, with first arrivals at Edinburgh, Kirton and Rothamsted.
- No mealy cabbage aphids (*Brevicoryne brassicae*) have been caught in suction-traps so far this year. However there have been field reports of overwintering colonies of mealy cabbage aphids building in some winter oilseed rape crops in southern England.
- The green spruce aphid (*Elatobium abietinum*) is the most numerous aphid species in our suction-trap samples this week.

The tables below show species of importance 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.

## Rose-grain aphid (*Metopolophium dirhodum*)

Rose-grain aphid	FIRST ARRIVALS			
	2015	forecast	2014	05-14
D= Dundee	0	4/6	17/5	20/5
G= Edinburgh	0	24/5	28/4	21/5
N= Newcastle	0	30/5	28/5	25/5
Y = York	16/4	N/A	N/A	N/A
P = Preston	0	5/5	6/3	23/4
K = Kirton	0	10/5	30/4	13/5
BB = Bury St Edmunds	0	16/5	24/4	2/5
We = Wellesbourne	0	N/A	18/5	2/5
H = Hereford	0	18/5	27/5	16/5
RT = Harpenden	0	10/5	24/4	4/5
WR = Writtle	0	23/4	19/4	25/4
SP = nr Ascot	20/4	8/5	24/4	25/4
W = Wye	0	7/5	1/5	1/5
SX = nr Exeter	15/4	30/3	20/2	31/3

Two rose-grain aphids have been caught this week at Silwood, including the first arrival on 20<sup>th</sup> April some five days earlier than the 10yr average and 18 days earlier than forecast.

**Bird cherry–oat aphid (*Rhopalosiphum padi*)**

Bird cherry–oat aphid	FIRST ARRIVALS			
	2015	forecast	2014	05-14
D= Dundee	0	21/5	17/5	17/5
G= Edinburgh	0	17/5	13/5	11/5
N= Newcastle	0	19/5	18/5	11/5
Y = York	22/4	N/A	N/A	N/A
P = Preston	0	3/5	10/4	2/5
K = Kirton	0	15/4	16/4	14/4
BB = Bury St Edmunds	0	2/5	13/4	22/4
We = Wellesbourne	0	N/A	27/4	11/4
H = Hereford	16/4	24/4	10/4	12/3
RT = Harpenden	0	6/5	23/4	28/4
WR = Writtle	0	25/4	16/1	9/4
SP = nr Ascot	0	1/5	28/4	25/4
W = Wye	2-8/3	21/4	8/4	8/4
SX = nr Exeter	19-25/1	24/3	13/3	11/3

Two bird cherry–oat aphids have been caught this week, including a first arrival at York on the 22<sup>nd</sup> April.

**Grain aphid (*Sitobion avenae*)**

Grain aphid	FIRST ARRIVALS			
	2015	forecast	2014	05-14
D= Dundee	0	5/6	23/5	31/5
G= Edinburgh	0	28/5	25/5	22/5
N= Newcastle	0	28/5	22/5	2/6
Y = York	0	N/A	N/A	N/A
P = Preston	0	17/5	23/4	16/5
K = Kirton	0	8/5	14/5	17/5
BB = Bury St Edmunds	0	15/5	25/4	11/5
We = Wellesbourne	0	N/A	31/3	16/4
H = Hereford	0	14/5	21/5	17/5
RT = Harpenden	0	12/5	16/4	17/5
WR = Writtle	15/4	3/5	9/4	27/4
SP = nr Ascot	0	13/5	24/4	4/5
W = Wye	0	7/5	14/4	18/5
SX = nr Exeter	0	15/4	18/4	13/4

No grain aphids have been caught this week.

**Potato aphid** (*Macrosiphum euphorbiae*)

Potato aphid	FIRST ARRIVALS			
	2015	forecast	2014	05-14
D= Dundee	0	31/5	17/5	30/5
G= Edinburgh	0	20/5	29/4	19/5
N= Newcastle	0	30/5	3/6	3/6
Y = York	0	N/A	N/A	N/A
P = Preston	0	19/5	10/5	17/5
K = Kirton	23/4	5/5	12/4	17/5
BB = Bury St Edmunds	21/4	20/5	1/4	15/5
We = Wellesbourne	0	N/A	12/5	10/5
H = Hereford	0	15/5	18/4	12/5
RT = Harpenden	0	14/5	11/4	12/5
WR = Writtle	24/4	29/4	24/4	30/4
SP = nr Ascot	23/4	10/5	29/4	5/5
W = Wye	0	11/5	27/4	16/5
SX = nr Exeter	20/4	24/4	16/5	2/5

Five potato aphids have been caught this week across southern and eastern England. All five were first arrivals and earlier than both the forecast and the 10yr average, with the Broom's Barn individual especially early.

**Willow-carrot aphid** (*Cavariella aegopodii*)

Willow-carrot aphid	FIRST ARRIVALS		
	2015	2014	05-14
D= Dundee	0	12/5	22/5
G= Edinburgh	20-26/4	25/5	11/5
N= Newcastle	0	16/5	20/5
Y = York	0	N/A	N/A
P = Preston	0	29/4	9/5
K = Kirton	21/4	30/4	4/5
BB = Bury St Edmunds	0	24/4	30/4
We = Wellesbourne	19/4	24/4	2/5
H = Hereford	0	2/5	26/4
RT = Harpenden	23/4	24/4	30/4
WR = Writtle	0	28/4	28/4
SP = nr Ascot	0	27/4	29/4
W = Wye	0	24/4	30/4
SX = nr Exeter	0	5/4	27/4

The willow-carrot aphid has been caught at four sites this week, four more at Wellesbourne and first arrivals at Edinburgh, Kirton and Rothamsted, a little earlier than their 10yr averages.



### Further information

[www.hgca.com/pests](http://www.hgca.com/pests)

[Rothamsted Insect Survey](#)

[www.potato.org.uk/online-toolbox/aphid-monitoring](http://www.potato.org.uk/online-toolbox/aphid-monitoring)

[HDC pest bulletin](#)

### Please send information on crop aphids to

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