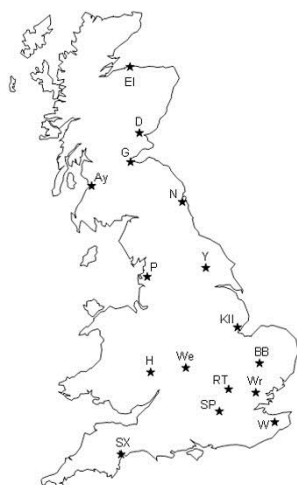


## SUCTION-TRAPPING RESULTS



The information below relates to suction-trap samples collected during **Bulletin Week 5: 18/4 – 24/4**.

- Aphid flight has been somewhat constrained this bulletin week by the cooler temperatures. The weather has also slowed crop growth, but those aphids already in crops will be active.
- Fewer cereal aphids in the suction-traps this bulletin week, but these did include a grain aphid first arrival at Silwood. No new field reports of cereal aphids in winter or spring cereals.
- BYDV symptoms becoming more evident in many winter cereals across the country as crops respond to nitrogen. It looks like being the worst BYDV year since 2012 in the south.
- Large numbers of mealy cabbage aphids (*Brevicoryne brassicae*) on individual plants in winter OSR. Threshold for control is >13% plants infested before petal fall in winter OSR.
- No peach–potato aphids have been caught in the suction-traps this week, but a single potato aphid (*Macrosiphum euphorbiae*) was caught at Writtle. (FERA have started yellow water trap sampling this week.)
- This year’s first pea aphids were caught at Wellesbourne and Silwood, two to three weeks earlier than the 10-yr average, just as some peas and spring beans are now emerging.
- The willow– carrot aphid was caught at four sites this week, these included first arrivals at Hereford and Starcross.

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			
	2016	forecast	2015	2006-15
D= Dundee	0	4/6	1/6	23/5
G= Edinburgh	0	24/5	9/6	21/5
N= Newcastle	0	27/5	11/6	26/5
Y = York	0	N/A	16/4	N/A
P = Preston	0	30/4	27/5	27/4
K = Kirton	0	30/4	4/5	10/5
BB = Bury St Edmunds	30/3	6/5	22/5	2/5
We = Wellesbourne	8/4	25/4	13/5	3/5
H = Hereford	0	11/5	30/5	19/5
RT = Harpenden	0	3/5	20/5	6/5
WR = Writtle	25/3	15/4	17/5	30/4
SP = nr Ascot	0	26/4	20/4	24/4
W = Wye	0	19/4	7/5	1/5
SX = nr Exeter	22-28/2	20/3	15/4	10/4

No rose–grain aphids were caught this bulletin week.

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

Bird cherry–oat aphid	FIRST ARRIVALS			
	2016	forecast	2015	2006-15
D= Dundee	0	21/5	23/5	20/5
G= Edinburgh	0	17/5	14/6	15/5
N= Newcastle	4/4	17/5	27/5	14/5
Y = York	0	N/A	22/4	N/A
P = Preston	0	27/4	3/6	6/5
K = Kirton	8/4	2/4	27/4	18/4
BB = Bury St Edmunds	25/3	23/4	22/5	27/4
We = Wellesbourne	12/3	6/4	21/5	18/4
H = Hereford	4/4	12/4	16/4	20/3
RT = Harpenden	0	28/4	4/5	29/4
WR = Writtle	1/4	14/4	4/5	10/4
SP = nr Ascot	8/4	23/4	10/5	27/4
W = Wye	12/4	3/4	5/3	4/4
SX = nr Exeter	1-7/2	10/3	22/1	12/3

Two bird cherry–oat aphids were caught this bulletin week, one at Silwood and one at Wye.

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

Grain aphid	FIRST ARRIVALS			
	2016	forecast	2015	2006-15
D= Dundee	0	6/6	2/6	4/6
G= Edinburgh	0	28/5	11/6	26/5
N= Newcastle	0	25/5	4/6	2/6
Y = York	0	N/A	11/5	N/A
P = Preston	0	12/5	4/6	19/5
K = Kirton	0	30/4	3/6	20/5
BB = Bury St Edmunds	0	5/5	30/5	14/5
We = Wellesbourne	30/3	13/4	20/6	26/4
H = Hereford	8/4	2/5	12/5	18/5
RT = Harpenden	13/4	3/5	7/6	21/5
WR = Writtle	3/4	23/4	15/4	25/4
SP = nr Ascot	20/4	6/5	23/5	8/5
W = Wye	0	24/4	21/6	25/5
SX = nr Exeter	0	8/4	1/5	13/4

Two grain aphids were caught this week, one at Hereford and a first arrival at Silwood, two to three weeks earlier than the 10-year mean.

**Peach–potato aphid (*Myzus persicae*)**

Peach–potato aphid	FIRST ARRIVALS			
	2016	forecast	2015	2006-15
D= Dundee	0	14/6	8/7	16/6
G= Edinburgh	0	11/6	4/6	24/6
N= Newcastle	0	6/6	25/5	13/6
Y = York	0	N/A	4/6	N/A
P = Preston	0	14/5	10/6	30/5
K = Kirton	0	28/4	30/4	13/5
BB = Bury St Edmunds	0	4/5	7/5	13/5
We = Wellesbourne	<b>22-28/2</b>	8/4	18/5	1/5
H = Hereford	0	9/5	2/5	24/5
RT = Harpenden	0	1/5	7/5	22/5
WR = Writtle	<b>2/4</b>	20/4	9/5	1/5
SP = nr Ascot	<b>30/3</b>	7/5	13/5	9/5
W = Wye	0	19/4	9/5	23/4
SX = nr Exeter	0	11/4	10/5	15/4

No peach–potato aphids were caught this bulletin week.

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

Potato aphid	FIRST ARRIVALS			
	2016	forecast	2015	2006-15
D= Dundee	0	1/6	22/6	3/6
G= Edinburgh	0	20/5	4/6	21/5
N= Newcastle	0	27/5	8/6	3/6
Y = York	0	N/A	9/6	N/A
P = Preston	0	15/5	13/5	16/5
K = Kirton	0	26/4	23/4	16/5
BB = Bury St Edmunds	0	9/5	21/4	14/5
We = Wellesbourne	0	4/5	24/5	13/5
H = Hereford	0	2/5	22/5	14/5
RT = Harpenden	<b>14/4</b>	6/5	13/5	11/5
WR = Writtle	<b>18/4</b>	21/4	24/4	29/4
SP = nr Ascot	0	1/5	23/4	3/5
W = Wye	0	3/5	2/6	18/5
SX = nr Exeter	0	20/4	20/4	30/4

A single potato aphid was caught this bulletin week at Writtle, eleven days earlier than the 10-yr average.

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

Willow–carrot aphid	FIRST ARRIVALS		
	2016	2015	2006-15
D= Dundee	0	23/5	21/5
G= Edinburgh	0	23/4	9/5
N= Newcastle	0	24/5	20/5
Y = York	10/4	4/5	N/A
P = Preston	0	8/5	8/5
K = Kirton	17/3	21/4	2/5
BB = Bury St Edmunds	22/3	4/5	30/4
We = Wellesbourne	1-7/2	19/4	30/4
H = Hereford	19/4	11/5	25/4
RT = Harpenden	0	23/4	29/4
WR = Writtle	4/4	7/5	29/4
SP = nr Ascot	0	1/5	30/4
W = Wye	17/4	7/5	1/5
SX = nr Exeter	19/4	30/4	26/4

The willow–carrot aphid was caught at four sites this week, these included first arrivals at Hereford and Starcross, one week earlier than the 10-yr average.

**Pea aphid (*Acyrtosiphon pisum*)**

Pea aphid	FIRST ARRIVALS		
	2016	2015	2006-15
D= Dundee	0	6/7	18/6
G= Edinburgh	0	22/6	6/6
N= Newcastle	0	30/6	13/6
Y = York	0	13/6	N/A
P = Preston	0	1/7	29/5
K = Kirton	0	16/6	25/5
BB = Bury St Edmunds	0	30/5	18/5
We = Wellesbourne	19/4	22/5	9/5
H = Hereford	0	5/6	13/5
RT = Harpenden	0	27/5	19/5
WR = Writtle	0	4/5	4/5
SP = nr Ascot	19/4	13/5	3/5
W = Wye	0	16/5	11/5
SX = nr Exeter	0	12/5	12/5

This year's first pea aphids were caught this bulletin week at Wellesbourne and Silwood, two to three weeks earlier than the 10-yr average.

## Further information

Please send information on crop aphids to: [mark-s.taylor@rothamsted.ac.uk](mailto:mark-s.taylor@rothamsted.ac.uk)

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