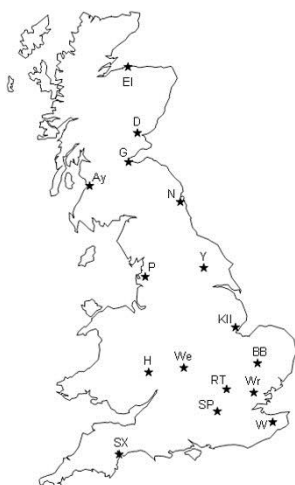


SUCTION-TRAPPING RESULTS



The information below relates to suction-trap samples collected during **Bulletin Week 6: 25/4 – 1/5**.

- April finished cool, wet and frosty at times, so little change in insect flight activity this bulletin week. However, since then it has warmed significantly and this should herald an increase in insect flight and ground activity as we move into May.
- Low numbers of all three of the main cereal aphids in the suction-traps this bulletin week, including several first arrivals. No new field reports of cereal aphids in winter or spring cereals.
- BYDV symptoms evident in many winter cereals across the country.
- A small flush of peach–potato aphids have been caught in the south east this week, including a first arrival at Wye, one at Silwood and four at Writtle.
- A single pea aphid was caught at Silwood and a single willow–carrot aphid at Starcross this week.
- Further reports of mealy cabbage aphids in winter OSR, but none have been caught in the suction-traps, suggesting these may have overwintered successfully on the crop. Aphid infestation while the crop is in flower is more important than later in the season. Threshold for control is >13% plants infested before petal fall in winter OSR.

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	30/4	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

Two rose–grain aphids were caught this bulletin week, including a first arrival at Hereford almost three weeks earlier than the 10-yr average.

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	27/4	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

The bird cherry–oat aphid was caught at five sites this bulletin week, including a first arrival at Rothamsted.

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	30/4	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	1/5	24/4	21/6	25/5
SX = nr Exeter	0	8/4	1/5	13/4

Two grain aphids were caught this week, both first arrivals, one at Broom’s Barn and one at Wye, 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	22-28/2	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	2/4	20/4	9/5	1/5
SP = nr Ascot	30/3	7/5	13/5	9/5
W = Wye	1/5	19/4	9/5	23/4
SX = nr Exeter	0	11/4	10/5	15/4

Five peach–potato aphids were caught this bulletin week, including a first arrival at Wye, one at Silwood and four at Writtle.

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	14/4	6/5	13/5	11/5
WR = Writtle	18/4	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

No potato aphids were caught this bulletin week.

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

A single willow–carrot aphid was caught at this week at Starcross.

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

A single pea aphid was caught this week at Silwood.

Further information

Please send information on crop aphids to: mark-s.taylor@rothamsted.ac.uk

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