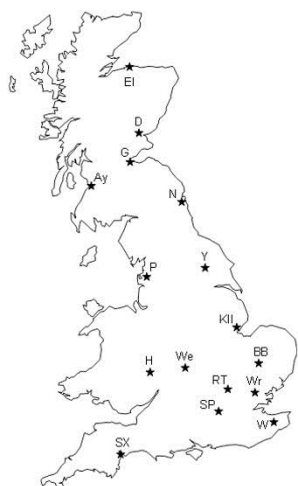


12 May 2017

Suction-trapping period 1 May to 7 May 2017



- Some warm interludes, especially Sunday 7 May, resulted in significantly increased aphid flight activity.
- Numbers of the three main cereal aphids are slowly increasing, with hotspots in the west at Preston and Starcross.
- Field reports, however, indicate numbers of cereal aphids in crops remain low. Spring cereals remain at potential risk from BYDV up to GS31.
- Peach-potato aphids were caught at six suction-trap sites, with highest numbers at Wye and Starcross. The aphid has also been found in yellow water-traps in south western England (moderate virus pressure) and East Anglia (low virus pressure).
- Willow-carrot aphids were caught at Edinburgh and all sites from Preston southwards, with a hotspot at Starcross (28). Parsnip aphid counts were: *Cavariella pastinaceae* Wye 1 and *Cavariella theobaldi* Preston 1, Kirton 1, Wellesbourne 1, Writtle 2, Silwood 3, Wye 4 and Starcross 9.
- Black bean aphids were caught at five suction-trap sites and in the yellow water-traps samples from the south west.
- This year's first currant-lettuce aphid was caught at Wellesbourne 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 [0 = none so far this year and x/x= a first arrival this bulletin week].

Rose-grain aphid (*Metopolophium dirhodum*)

Rose-grain aphid	FIRST ARRIVALS			
	2017	forecast	2016	2007-16
D= Dundee	4/5	28/5	31/5	22/5
G= Edinburgh	28/4	17/5	23/5	20/5
N= Newcastle	0	25/5	21/5	24/5
Y = York	0	NA	18/5	NA
P = Preston	17/4	25/4	11/5	28/4
K = Kirton	16/4	11/5	5/5	11/5
BB = Bury St Edmunds	0	8/5	30/3	9/5
We = Wellesbourne	28/3	29/4	8/4	27/4
H = Hereford	0	11/5	30/4	18/5
RT = Harpenden	19/4	6/5	5/5	6/5
WR = Writtle	15/3	21/4	25/3	27/4
SP = nr Ascot	28/4	1/5	8/5	24/4
W = Wye	11/4	4/5	9/5	28/4
SX = nr Exeter	9/4	2/4	22-28/2	4/4

Rose-grain aphids were caught at five sites this week (Dundee 3, Edinburgh 4, Preston 2, Kirton 1 and Starcross 11), including a first arrival at Dundee, over three weeks earlier than forecast.

Bird cherry–oat aphid (*Rhopalosiphum padi*)

Bird cherry–oat aphid	FIRST ARRIVALS			
	2017	forecast	2016	2007-16
D= Dundee	0	19/5	9/5	20/5
G= Edinburgh	0	12/5	5/5	14/5
N= Newcastle	3/5	15/5	4/4	11/5
Y = York	7/4	NA	4/5	NA
P = Preston	2/4	21/4	4/5	5/5
K = Kirton	30/4	17/4	8/4	15/4
BB = Bury St Edmunds	22/4	25/4	25/3	23/4
We = Wellesbourne	19/4	9/4	12/3	12/4
H = Hereford	0	12/4	4/4	17/3
RT = Harpenden	19/4	1/5	27/4	28/4
WR = Writtle	23/4	21/4	1/4	7/4
SP = nr Ascot	30/3	26/4	8/4	24/4
W = Wye	27/3	17/4	12/4	13/4
SX = nr Exeter	12/3	24/3	1-7/2	2/3

Bird cherry–oat aphids were caught at seven sites this week, with highest numbers at Preston 33, Wye 10 and Starcross 13. There was a first arrival at Newcastle, twelve days earlier than forecast.

Grain aphid (*Sitobion avenae*)

Grain aphid	FIRST ARRIVALS			
	2017	forecast	2016	2007-16
D= Dundee	0	29/5	9/5	1/6
G= Edinburgh	0	20/5	30/5	26/5
N= Newcastle	0	23/5	10/5	29/5
Y = York	0	NA	7/5	NA
P = Preston	17/4	7/5	28/5	20/5
K = Kirton	0	11/5	7/5	20/5
BB = Bury St Edmunds	19/4	8/5	30/4	13/5
We = Wellesbourne	0	16/4	30/3	22/4
H = Hereford	19/4	2/5	8/4	14/5
RT = Harpenden	2/5	7/5	13/4	18/5
WR = Writtle	0	29/4	3/4	22/4
SP = nr Ascot	0	9/5	20/4	6/5
W = Wye	29/4	5/5	1/5	18/5
SX = nr Exeter	30/3	19/4	6/5	13/4

Grain aphids were caught at three sites this week (Preston 6, Rothamsted 1 and Starcross 9), including a first arrival at Rothamsted five days earlier than forecast.

Peach–potato aphid (*Myzus persicae*)

Peach–potato aphid	FIRST ARRIVALS			
	2017	forecast	2016	2007-16
D= Dundee	0	6/6	1/6	12/6
G= Edinburgh	0	1/6	20/6	21/6
N= Newcastle	0	4/6	4/6	10/6
Y = York	0	NA	15/5	NA
P = Preston	0	12/5	29/5	27/5
K = Kirton	19/4	10/5	6/5	9/5
BB = Bury St Edmunds	28/4	8/5	7/5	11/5
We = Wellesbourne	30/4	14/4	22-28/2	22/4
H = Hereford	2/4	10/5	5/5	23/5
RT = Harpenden	28/4	7/5	4/5	18/5
WR = Writtle	0	26/4	2/4	27/4
SP = nr Ascot	23/4	9/5	30/3	4/5
W = Wye	28/4	3/5	1/5	19/4
SX = nr Exeter	20-26/2	25/4	5/5	12/4

Peach–potato aphids were caught at six sites this bulletin week (Broom’s Barn 1, Wellesbourne 1, Hereford 1, Rothamsted 1, Wye 7 and Starcross 14).

Potato aphid (*Macrosiphum euphorbiae*)

Potato aphid	FIRST ARRIVALS			
	2017	forecast	2016	2007-16
D= Dundee	0	23/5	25/5	5/6
G= Edinburgh	0	12/5	30/5	23/5
N= Newcastle	0	25/5	27/5	3/6
Y = York	1/5	NA	15/5	NA
P = Preston	3/5	12/5	10/5	13/5
K = Kirton	20/4	6/5	16/5	17/5
BB = Bury St Edmunds	19/4	13/5	6/6	16/5
We = Wellesbourne	7/5	7/5	5/5	13/5
H = Hereford	1/5	4/5	23/5	15/5
RT = Harpenden	0	9/5	14/4	8/5
WR = Writtle	23/4	27/4	18/4	24/4
SP = nr Ascot	23/4	5/5	9/5	3/5
W = Wye	0	10/5	9/5	18/5
SX = nr Exeter	23/4	25/4	9/5	30/4

The potato aphid was caught at seven sites this bulletin week, including first arrivals at four sites, all **on** or close to the forecast.

Mealy cabbage aphid (*Brevicoryne brassicae*)

Mealy cabbage aphid	FIRST ARRIVALS			
	2017	forecast	2016	2007-16
D= Dundee	0	7/7	13/7	13/7
G= Edinburgh	0	22/6	5/6	12/6
N= Newcastle	0	23/6	18/6	1/7
Y = York	0	NA	27/5	NA
P = Preston	0	16/5	6/6	2/6
K = Kirton	0	1/6	9/5	5/6
BB = Bury St Edmunds	2/5	25/5	14/5	28/5
We = Wellesbourne	0	24/5	14/5	19/5
H = Hereford	0	17/5	13/5	30/5
RT = Harpenden	0	29/5	20/5	29/5
WR = Writtle	0	20/5	11/5	26/5
SP = nr Ascot	0	2/6	24/5	18/5
W = Wye	0	29/5	5/5	25/5
SX = nr Exeter	21/4	7/5	12/5	4/5

A single mealy cabbage aphid was caught this bulletin week at Broom's Barn. This was a first arrival for this site and about three weeks earlier than forecast.

Willow-carrot aphid (*Cavariella aegopodii*)

Willow-carrot aphid	FIRST ARRIVALS		
	2017	2016	2007-16
D= Dundee	0	13/5	18/5
G= Edinburgh	7/5	17/5	9/5
N= Newcastle	0	21/5	19/5
Y = York	0	10/4	NA
P = Preston	29/4	6/5	7/5
K = Kirton	24/4	17/3	3/5
BB = Bury St Edmunds	7/4	22/3	25/4
We = Wellesbourne	2/5	1-7/2	21/4
H = Hereford	20/4	19/4	23/4
RT = Harpenden	19/4	4/5	29/4
WR = Writtle	22/4	4/4	26/4
SP = nr Ascot	9/4	6/5	1/5
W = Wye	28/4	17/4	29/4
SX = nr Exeter	1/4	19/4	25/4

Willow-carrot aphids were caught at Edinburgh and then all sites from Preston southwards this bulletin week. These captures included a first arrival at Edinburgh and Wellesbourne, as well as a hotspot at Starcross which caught 28.

Pea aphid (*Acyrtosiphon pisum*)

Pea aphid	FIRST ARRIVALS		
	2017	2016	2007-16
D= Dundee	0	21/6	17/6
G= Edinburgh	0	6/6	5/6
N= Newcastle	0	9/6	13/6
Y = York	0	18/5	NA
P = Preston	0	6/5	26/5
K = Kirton	0	5/5	21/5
BB = Bury St Edmunds	9/4	5/5	15/5
We = Wellesbourne	0	19/4	7/5
H = Hereford	0	4/5	10/5
RT = Harpenden	0	6/5	18/5
WR = Writtle	0	10/5	4/5
SP = nr Ascot	8/4	19/4	3/5
W = Wye	16/4	5/5	8/5
SX = nr Exeter	1/5	10/5	10/5

Two pea aphids were caught at Starcross this bulletin week. This included a first arrival for this site, nine days earlier than the 10-yr mean.

Black bean aphid (*Aphis fabae*)

Black bean aphid	FIRST ARRIVALS		
	2017	2016	2007-16
D= Dundee	0	31/5	1/6
G= Edinburgh	3/5	7/6	27/5
N= Newcastle	0	27/7	5/7
Y = York	0	14/8	NA
P = Preston	0	18/5	2/6
K = Kirton	0	15/5	13/6
BB = Bury St Edmunds	23/4	17/5	21/5
We = Wellesbourne	20/4	14/6	4/6
H = Hereford	1/5	29/7	6/6
RT = Harpenden	22/4	4/6	1/6
WR = Writtle	21/4	22/6	24/5
SP = nr Ascot	0	7/6	23/5
W = Wye	7/5	24/6	5/6
SX = nr Exeter	6/5	3/5	15/5

Black bean aphids were caught at five sites this bulletin week (Edinburgh 1, Hereford 1, Writtle 1, Wye 1 and Starcross 2). The aphids at Edinburgh, Hereford, Wye and Starcross included first arrivals and were significantly earlier than the 10-yr means.

Further information

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

AHDB Cereals and Oilseeds: [Click here](#)

AHDB Potatoes: [Click here](#)

AHDB Horticulture: [Click here](#)

Rothamsted Insect Survey: [Click here](#)

Science and Advice for Scottish Agriculture (SASA): [Click here](#)

In partnership with



AHDB publications are free to levy payers
Electronic version can be downloaded at cereals.ahdb.org.uk/aphidnews
To join the mailing lists, contact: comms@ahdb.org.uk

While the Agriculture and Horticulture Development Board seeks to ensure that the information contained within this document is accurate at the time of printing, no warranty is given in respect thereof and, to the maximum extent permitted by law, the Agriculture and Horticulture Development Board accepts no liability for loss, damage or injury howsoever caused (including that caused by negligence) or suffered directly or indirectly in relation to information and opinions contained in or omitted from this document. Reference herein to trade names and proprietary products without stating that they are protected does not imply that they may be regarded as unprotected and thus free for general use. No endorsement of named products is intended, nor is any criticism implied of other alternative but unnamed products.

© Agriculture and Horticulture Development Board 2017. All rights reserved