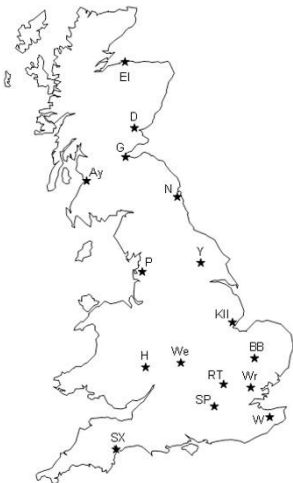


25th May 2018

Suction-trapping period 14th May - 20th May 2018



- The warm and dry weather conditions has resulted in another substantial increase in the total number of aphids flying this bulletin week.
- No field reports of cereal aphids have been received this week. Winter cereal crops have all but passed the danger period for BYDV, i.e. beyond GS31. Some spring crops may still be at risk.
- All three of the main cereal aphids were recorded from the suction-traps. First arrivals of bird cherry-oat aphids were recorded from Dundee, Newcastle and Broom's Barn. First arrivals of grain aphids were recorded from Wellesbourne, Hereford and Wye. No new first arrivals of rose-grain aphids were recorded this week.
- Peach-potato aphids (*Myzus persicae*) were recorded from Writtle and Starcross but no new arrivals were found. An individual was caught in the FERA yellow water-pan trap (YWT) network from the Midlands.
- The first arrival of willow-carrot aphids were recorded from Dundee and Newcastle this bulletin week. All fourteen suction-traps have now recorded this species as well as YWT across several parts of England.
- The first arrival of potato aphid (*Macrosiphum euphorbiae*) was recorded from Silwood this week.
- First arrival of black bean aphid (*Aphis fabae*) from the suction-trap network was recorded from Starcross this bulletin week and in YWT from East Anglia.

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			
	2018	forecast	2017	2008-17
D= Dundee	9/5	11/6	29/4	20/5
G= Edinburgh	0	29/5	28/4	18/5
N= Newcastle	0	17/6	27/5	28/5
Y = York	0	NA	13/5	NA
P = Preston	5/5	14/5	17/4	30/4
K = Kirton	0	22/5	16/4	10/5
BB = Bury St Edmunds	0	21/5	9/5	11/5
We = Wellesbourne	0	6/5	28/3	25/4
H = Hereford	8/5	17/5	9/5	20/5
RT = Harpenden	6/5	12/5	19/4	5/5
WR = Writtle	5/3	19/4	15/3	27/4
SP = nr Ascot	6/5	8/5	28/4	3/5
W = Wye	12/5	2/5	11/4	5/5
SX = nr Exeter	13/4	4/4	9/4	12/4

Rose-grain aphids were recorded at four sites this bulletin week (Hereford 1, Rothamsted 1, Silwood 1 and Starcross 5), no new first arrivals were recorded.

Bird cherry-oat aphid (*Rhopalosiphum padi*)

Bird cherry-oat aphid	FIRST ARRIVALS			
	2018	forecast	2017	2008-17
D= Dundee	14/5	23/5	30/4	18/5
G= Edinburgh	22/1	19/5	18/4	14/5
N= Newcastle	20/5	29/5	3/5	10/5
Y = York	7/5	NA	7/4	NA
P = Preston	11/5	12/5	2/4	3/5
K = Kirton	5/5	4/5	30/4	27/4
BB = Bury St Edmunds	15/5	7/5	22/4	24/4
We = Wellesbourne	6/5	20/4	19/4	21/4
H = Hereford	29/3	22/4	11/5	29/3
RT = Harpenden	6/5	7/5	19/4	29/4
WR = Writtle	23/4	19/4	23/4	16/4
SP = nr Ascot	5/5	30/4	30/3	24/4
W = Wye	25/3	13/4	28/3	13/4
SX = nr Exeter	28/4	20/3	12/3	6/3

Bird cherry-oat aphids were recorded from ten sites this week, including first arrivals at three sites. All were within a 9 days of the forecast.

Grain aphid (*Sitobion avenae*)

Grain aphid	FIRST ARRIVALS			
	2018	forecast	2017	2008-17
D= Dundee	0	12/6	16/5	30/5
G= Edinburgh	0	4/6	24/5	28/5
N= Newcastle	0	17/6	18/5	31/5
Y = York	0	NA	18/5	NA
P = Preston	0	24/5	17/4	20/5
K = Kirton	0	23/5	10/5	21/5
BB = Bury St Edmunds	9/5	20/5	19/4	14/5
We = Wellesbourne	20/5	26/4	12/5	26/4
H = Hereford	20/5	11/5	19/4	13/5
RT = Harpenden	8/5	14/5	2/5	19/5
WR = Writtle	4/5	29/4	9/6	30/4
SP = nr Ascot	0	13/5	11/5	10/5
W = Wye	15/5	5/5	29/4	19/5
SX = nr Exeter	12/5	18/4	30/3	12/4

Grain aphid was recorded from five sites this week (Wellesbourne 2, Hereford 2, Rothamsted 1, Writtle 1 and Wye 1), Including first arrivals at three sites with those at Hereford and Wye, arriving within 10 days of the forecast and Wellesbourne nearly a month later.

Peach–potato aphid (*Myzus persicae*)

Peach–potato aphid	FIRST ARRIVALS			
	2018	forecast	2017	2008-17
D= Dundee	0	22/6	12/5	9/6
G= Edinburgh	0	20/6	17/5	23/6
N= Newcastle	0	5/7	23/5	12/6
Y = York	7/5	NA	10/5	NA
P = Preston	0	22/5	12/5	29/5
K = Kirton	0	23/5	19/4	9/5
BB = Bury St Edmunds	0	25/5	28/4	14/5
We = Wellesbourne	0	9/5	30/4	5/5
H = Hereford	0	23/5	2/4	21/5
RT = Harpenden	4/5	18/5	28/4	19/5
WR = Writtle	10/5	26/4	11/5	7/5
SP = nr Ascot	8/5	13/5	23/4	6/5
W = Wye	11/5	2/5	28/4	27/4
SX = nr Exeter	10/5	27/4	28/3	11/4

Peach–potato aphids were found at Writtle (1) and Starcross (3), no new first arrivals were found this week.

Potato aphid (*Macrosiphum euphorbiae*)

Potato aphid	FIRST ARRIVALS			
	2018	forecast	2017	2008-17
D= Dundee	0	9/6	29/4	1/6
G= Edinburgh	0	28/5	9/5	28/5
N= Newcastle	12/5	22/6	15/5	6/6
Y = York	0	NA	1/5	NA
P = Preston	0	24/5	3/5	15/5
K = Kirton	11/5	17/5	20/4	18/5
BB = Bury St Edmunds	0	26/5	19/4	17/5
We = Wellesbourne	0	13/5	7/5	16/5
H = Hereford	0	13/5	1/5	15/5
RT = Harpenden	0	16/5	11/5	11/5
WR = Writtle	4/5	24/4	23/4	25/4
SP = nr Ascot	20/5	9/5	23/4	4/5
W = Wye	0	10/5	10/5	21/5
SX = nr Exeter	5/5	24/4	23/4	2/5

Single potato aphids were recorded from Newcastle, Writtle, Silwood and Starcross this week, with a first arrival at Silwood which was within 11 days of the forecast.

Mealy cabbage aphid (*Brevicoryne brassicae*)

Mealy cabbage aphid	FIRST ARRIVALS			
	2018	forecast	2017	2008-17
D= Dundee	0	5/8	26/5	1/7
G= Edinburgh	0	29/7	9/5	14/6
N= Newcastle	0	24/7	30/5	3/7
Y = York	0	NA	18/6	NA
P = Preston	0	8/7	31/5	5/6
K = Kirton	18/5	24/6	2/6	8/6
BB = Bury St Edmunds	0	16/6	2/5	30/5
We = Wellesbourne	0	30/5	10/5	23/5
H = Hereford	20/5	2/6	19/5	2/6
RT = Harpenden	0	13/6	21/6	4/6
WR = Writtle	0	20/5	16/5	29/5
SP = nr Ascot	20/5	10/6	28/5	22/5
W = Wye	0	30/5	5/6	29/5
SX = nr Exeter	0	6/5	21/4	7/5

The first arrivals of mealy cabbage aphids were recorded from Kirton (1), Hereford (2) and Silwood (1) this bulletin week. All were within a month of the forecast.

Willow-carrot aphid (*Cavariella aegopodii*)

Willow-carrot aphid	FIRST ARRIVALS		
	2018	2017	2008-17
D= Dundee	15/5	13/5	18/5
G= Edinburgh	13/5	7/5	15/5
N= Newcastle	18/5	16/5	22/5
Y = York	4/5	9/5	NA
P = Preston	6/5	29/4	8/5
K = Kirton	3/5	24/4	3/5
BB = Bury St Edmunds	7/5	7/4	24/4
We = Wellesbourne	11/5	2/5	24/4
H = Hereford	6/5	20/4	23/4
RT = Harpenden	7/5	19/4	1/5
WR = Writtle	3/5	22/4	28/4
SP = nr Ascot	5/5	9/4	29/4
W = Wye	7/5	28/4	4/5
SX = nr Exeter	22/4	1/4	25/4

Willow-carrot aphids were recorded from fourteen sites this bulletin week. First arrivals were found at Dundee (3) and Newcastle (6), all were within 4 days of their 10-yr mean.

Pea aphid (*Acyrtosiphon pisum*)

Pea aphid	FIRST ARRIVALS		
	2018	2017	2008-17
D= Dundee	0	14/5	13/6
G= Edinburgh	0	27/5	8/6
N= Newcastle	20/5	25/5	14/6
Y = York	0	17/5	NA
P = Preston	0	12/5	29/5
K = Kirton	8/5	10/5	23/5
BB = Bury St Edmunds	20/5	9/4	14/5
We = Wellesbourne	0	23/5	11/5
H = Hereford	8/5	13/5	12/5
RT = Harpenden	0	26/5	21/5
WR = Writtle	0	26/5	9/5
SP = nr Ascot	0	8/4	4/5
W = Wye	0	16/4	9/5
SX = nr Exeter	0	1/5	11/5

Single pea aphids were recorded from Newcastle, Broom's Barn and Hereford this bulletin week. With a first arrival at Newcastle being caught nearly a month earlier than the 10-yr mean and a first arrival at Broom's Barn recorded within 6 days of the 10-yr mean.

Black bean aphid (*Aphis fabae*)

Black bean aphid	FIRST ARRIVALS		
	2018	2017	2008-17
D= Dundee	0	23/5	30/5
G= Edinburgh	0	3/5	24/5
N= Newcastle	0	21/6	4/7
Y = York	0	22/5	NA
P = Preston	0	13/5	1/6
K = Kirton	0	16/6	15/6
BB = Bury St Edmunds	10/5	23/4	21/5
We = Wellesbourne	0	20/4	29/5
H = Hereford	0	1/5	6/6
RT = Harpenden	0	22/4	29/5
WR = Writtle	0	21/4	24/5
SP = nr Ascot	0	10/5	21/5
W = Wye	13/5	7/5	7/6
SX = nr Exeter	17/5	6/5	17/5

Black bean aphids were caught at Broom's Barn and Starcross this bulletin week. This included a first arrival at Starcross the same day as the 10-yr mean.

Further information

Please send information on crop aphids to: alex.greenslade@rothamsted.ac.uk

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