

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 | 0 | 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 six sites this week (singletons at Preston, Kirton, Broom’s Barn, Silwood, and Wye, and 3 at Starcross). These included a first arrival at Kirton, some two weeks later 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 | 0 | 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 four sites this week (Preston 1, Broom’s Barn 1, Wye 1 and Starcross 2), including a first arrival at Wye six 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 | 0 | 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 four sites this bulletin week (Broom’s Barn 1, Rothamsted 4, Wye 1 and Starcross 2), including first arrivals at three sites, five to ten days earlier than forecast.

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 | 0 | NA | 15/5 | NA |
| P = Preston | 0 | 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 | 0 | 7/5 | 5/5 | 13/5 |
| H = Hereford | 0 | 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 three sites this bulletin week (Kirton 2, Writtle 3 and Starcross 1).

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 | 0 | 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 |

No mealy cabbage aphids were caught this bulletin week.

Willow-carrot aphid (*Cavariella aegopodii*)

| Willow-carrot aphid | FIRST ARRIVALS | | |
|----------------------|----------------|-------|---------|
| | 2017 | 2016 | 2007-16 |
| D= Dundee | 0 | 13/5 | 18/5 |
| G= Edinburgh | 0 | 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 | 0 | 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 seven sites this bulletin week (Preston 1, Kirton 2, Broom's Barn 3, Writtle 2, Silwood 8, Wye 1 and Starcross 4). Three of these individuals were first arrivals (Preston, Kirton and Wye) and were close to the 10-yr means.

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 | 0 | 10/5 | 10/5 |

A single pea aphid was caught at Silwood this bulletin week.

Black bean aphid (*Aphis fabae*)

| Black bean aphid | FIRST ARRIVALS | | |
|----------------------|----------------|------|---------|
| | 2017 | 2016 | 2007-16 |
| D= Dundee | 0 | 31/5 | 1/6 |
| G= Edinburgh | 0 | 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 | 0 | 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 | 0 | 24/6 | 5/6 |
| SX = nr Exeter | 0 | 3/5 | 15/5 |

A single black bean aphid was caught at Writtle this bulletin week.

Further information

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

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