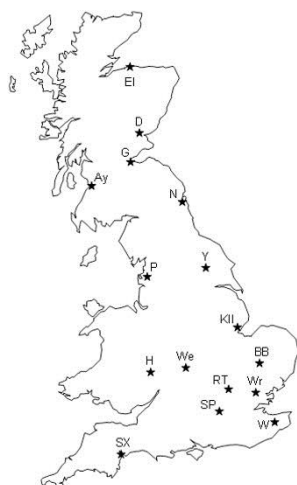


SUCTION-TRAPPING RESULTS



The information below relates to suction-trap samples collected during **Bulletin Week 3: 04/4 – 10/4**.

- A small increase in overall aphid flight activity this week. At this stage, aphids appear to be flying a couple of weeks earlier than forecast back in March.
- The bird cherry–oat aphid was caught at seven suction-trap sites from the far south all the way up to Newcastle. The grain aphid made its first appearance of the year at Hereford.
- Field reports suggest cereal aphids are still easy to find in winter cereals in southern England and BYDV is suspected in both winter wheat and winter barley in many southern and western areas. Most winter crops have now reached GS31, after which little economic benefit is thought to accrue from additional spraying to reduce BYDV.
- A field report has been received of mealy cabbage aphids (*Brevicoryne brassicae*) in winter OSR in the west midlands.
- Spring drilling has been delayed on heavier land, but elsewhere emerging spring cereals and OSR will need close monitoring.
- No peach–potato aphids have been caught in the suction-trap this week.
- Two willow–carrot aphids were caught this week, both were first arrivals, one at York and one at Writtle, the latter being three weeks earlier than the 10-year average.

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 |

Six rose–grain aphids were caught this bulletin week, one at Broom’s Barn, three at Writtle and two at Wellesbourne which included a first arrival almost four weeks earlier than the 10-year 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 | 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 | 0 | 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 in low numbers at seven sites this bulletin week, four of which were first arrivals.

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 | 0 | 3/5 | 7/6 | 21/5 |
| WR = Writtle | 3/4 | 23/4 | 15/4 | 25/4 |
| SP = nr Ascot | 0 | 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 |

A single grain aphids was caught this week, a first arrival at Hereford, almost six 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 | 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.

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 | 0 | 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 | 0 | 7/5 | 1/5 |
| SX = nr Exeter | 0 | 30/4 | 26/4 |

Two willow–carrot aphids were caught this week, both were first arrivals, one at York and one over three weeks early at Writtle.

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](#)

[#APHIDMONITORING](#)

Rothamsted Insect Survey: [Click here](#)

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

In partnership with



AHDB Aphid News 2016

AHDB publications are free to levy payers

Electronic version can be downloaded at cereals.ahdb.org.uk

To join the mailing lists, contact: cereals.subscriptions@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 2015. All rights reserved.