



Issued: 02/05/2019



IN BRIEF

- **BBRO has received numerous reports and queries regarding green and black wingless aphids within crops as well as the presence of thrips, flea beetles and other 'orange fast moving insects' which are actually globular springtails. The first reports of leaf miner eggs are being recorded in East Anglia and Lincolnshire too.**
- **With most crops at the 2-4 leaf stage and with aphid numbers continuing to increase, this is raising many questions about the need to apply an insecticide.**
- **For an overview of winged aphid numbers in your area, check the new aphid mapping tool available on BBRO website for the latest information from our network of aphid traps. <https://bbro.co.uk/on-farm/aphid-survey-map/>**
- **Whilst BBRO has an extensive network of yellow water pan traps that will provide an early indication of winged aphids present, this information is not a substitute for checking aphid numbers (and other pests) in your crop.**
- **Remember that the spray threshold is one green wingless aphid per four plants. It is important to monitor aphid numbers in your crops to decide whether an insecticide application is justified.**



ADVISORY

Aphid watch

We have received further reports of winged aphid activity across all factory areas with *Myzus persicae*, *Macrosiphum euphorbiae* and *Aphis fabae* all being identified. In week one of the BBRO aphid survey (up until 28th April) 104 winged *M. persicae* were caught across the yellow water pan trap network and two aphids (one at Milton, Cambridgeshire and the second at Bawtry near Doncaster) were found to carry Beet mild yellowing virus. The maps of winged *M. persicae* activity are now accessible on the BBRO website and being regularly updated.

There are also increasing reports of wingless green and black aphids being found but please remember that the spray threshold is one green wingless aphid per four plants. We are aware of the threshold being reached in some crops, including one of the BBRO field trial sites.

Please continue to monitor your crops for green wingless aphids (see photo 1) and only spray once this threshold has been breached. Black aphids should not be included in this threshold. Usually aphids can be found on the heart leaves, within folds at leaf margins and on the underside of leaves.



Photo 1: *M. persicae* (green wingless) on underside of leaf

Please remember that the Emergency Authorisation (EA) is only for Biscaya marketed by Bayer Crop Science Ltd, MAPP number 15014 and it is essential that the conditions of the EA are complied with. This includes ensuring Biscaya is used up to 0.4 l/ha in a minimum of 200 litres of water per hectare and in alternation with Teppeki. A copy of the EA is available and can be downloaded from the BBRO website (<https://bbro.co.uk/media/50035/19-4-18-biscaya-ea.pdf>).

Be careful of tank mixing insecticides with other products as the timing and water volumes may not be the same and it is important not to compromise the action of the insecticide.

Other pest issues

Damage by flea beetles, thrips and birds has again been described by growers and agronomists over the last seven days. Orange, 'fast moving insects' have also been observed.

These are actually globular springtails and should not cause any damage to the crop. The first eggs of beet leaf miner have all been recorded in crops this week. With patchy recent rainfall, crop growth is variable and consequently some areas are being affected much more by pest attack than others. Any treatments must be targeted to the appropriate pest when at threshold and use of pyrethroids must be considered carefully for potential follow on consequences.



EVENTS

1. BBRO and AHDB event

GREATSOILS SUGAR BEET SPECIAL

Join us on 14th May Tebbs South, Terrington PE34 4PP 9:30 – 11:30.
Details and booking via <https://bbro.co.uk/events/>

2. BBRO will be joining NIAB for their **STAR Open Day** on the 22nd May Stanaway Farm, Otley, IP6 9NA 10:00 – 13:00. Further details: <https://bbro.co.uk/events/>
3. **Morley Innovation Event** – 20th June. Morley Farms.
Join BBRO and many others at this event, which will be crammed to the hilt with agricultural innovation and know-how. Further details: <https://tmaf.co.uk/morley-innovation-day/>
4. **BeetField19 - Summer Open Days**
Tuesday 2nd July Fotheringhay, Peterborough. PE8 5HZ
Thursday 4th July Thelveton Estate, Diss. IP21 4HP
Book now: <https://bbro.co.uk/events/>



CONTACTS

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BASIS POINTS

Two BASIS points in total (not per bulletin) have been allocated for the period between 01/06/18 and 31/05/19 reference CP/67099/1819/g. To claim these points please email michele@basis-reg.co.uk

Two NRoSO points in total (not per bulletin) have been allocated between 01/06/2018 and 31/05/2019 reference NO465447f. To claim these points please email NRoSOCPSD@cityandguilds.com