



Issued: 30/05//19



IN BRIEF

- **Number of winged aphids being caught in the yellow pan traps have increased significantly in the recent warm conditions**
- **Greatest increase in the south and south-east of the beet growing area (Cambridgeshire, Suffolk & Essex)**
- **Check the BBRO's aphid map to see yellow water pan traps near you. Visit <https://bbro.co.uk/on-farm/aphid-survey-map/> survey.**
- **However, the numbers of wingless aphids being found on leaves is variable and although an increasing number of crops are closer to or above the treatment threshold, many are still to reach threshold (one green wingless aphid per four plants, up to the 12-leaf stage)**
- **It is now vital to closely inspect and assess all crops**
- **Increasing numbers of leaf miner eggs are also being reported so don't forget to look for these**
- **Sporadic thrips damage is being observed too although there are no treatments available for this pest.**
- **With all the focus on aphid numbers, most crops are now growing rapidly so don't forget this is a key stage to apply manganese too.**



ADVISORY

Many crops are now at or beyond the 4-6-leaf stage and it can be challenging to find and count aphids where there is a rapidly increasing number of developing leaves. As this is a key stage it may be worth pulling seedlings from the ground to inspect them allowing you to thoroughly check and uncurl new leaf growth where the green wingless aphids maybe hiding.

Young wingless aphid can be very small and difficult to distinguish with a naked eye. Make sure you have your BBRO magnifier or a hands-lens close by.

Photo 1: Winged *Myzus persicae* with green wingless progeny (photo kindly supplied by Richard Pooley)





Photo 2: Green wingless aphids can be hard to detect. Close inspection with a magnifier may be helpful.

Treatment

If threshold is reached on your crop, you have two spray options; Biscaya or Teppeki.

Please note: you are allowed two applications of Biscaya, but not as successive use. If you intend to use two applications of the one product the sequence will need to be Biscaya, Teppeki, Biscaya. As insecticides they will have some impact on beneficials so please use only when necessary.

Tank mixing

BBRO have not conducted any research regarding the tank mixing of these projects. However, Belchim have tested a number of key physical compatibilities for Teppeki (www.belchim.co.uk) and state that water volume must not be reduced below 200 L/ha and timings must not be compromised. Bayer have no data on the efficacy of Biscaya when mixed with other chemicals, they therefore recommend that to avoid compromising the product, it is only used as per label instructions.

Hygiene critical

Rapid growth in field crops is good to see but rapid growth of beet on old clamps, dumps and spoil heaps is not good as these may act as sources of foliar diseases, virus and virus-carrying aphids. Make sure any new leaf growth is destroyed as soon as possible.



EVENTS

- 1. 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/>
- 2. 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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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 NRoSOC PD@cityandguilds.com