



## IN BRIEF

- Seed treatments explained
- Disposal of neonicotinoid treated seed
- Drill Training Events : 4<sup>th</sup> December and 24<sup>th</sup> January. Book now - [www.bbro.co.uk/events](http://www.bbro.co.uk/events)



## ADVISORY

### Seed Treatments Explained

This year we see increased importance for quick establishment and an added consideration in variety selection from an array of seed treatments.

There will be an option of seed technologies supplied by Germains. These will be **Xbeet Plus** and **Xbeet Enrich<sup>100</sup>**.

Xbeet Plus was launched in 2013 and combines Germains' Xbeet priming with a specific pellet technology. This provides increased stress tolerance, faster and more uniform emergence and increased yield potential.

Xbeet Enrich<sup>100</sup> is a new product from Germains that is a combination of an elicitor treatment and a new pellet. The elicitor is recognised by the plant and sets in motion a physiological response that Germains state 'protects against pathogenic fungi and bacteria, and abiotic stresses such as drought, heat and cold.' This should result in improved stress tolerance, stronger plants, better leaf coverage and faster emergence.

The BBRO were involved in trials, independently analysed by NIAB which demonstrated an average yield increase of 1.3% in small plot trials and 4.4% increase in strip trials with Xbeet Enrich<sup>100</sup>.

### **Standard Fungicides**

As before, all seed will be treated with **Thiram** and **Tachigaren** (Hymexazol), these fungicides protect the seedlings from seed- and soil-borne diseases which cause Damping off and Black leg.

Please note that Thiram will not be available for use in Spring 2020, so ensure you only order sufficient seed for the 2019 crop.



### **Additional Fungicides**

There will be a further option for **Vibrance SB** which contains sedaxane, fludioxonil and metalaxyl-M. This product controls a wide range of soil-borne diseases in sugar beet including Rhizoctonia, Pythium spp. and Phoma. In higher risk situations such as soils which are prone to sit wet, compacted soils, more acidic soils (pH <6.5) and where maize is grown in the rotation, the use of Vibrance SB may provide a more comprehensive level of control of seed and soil-borne diseases.

However, the incidence of these diseases is strongly influenced by weather conditions after drilling and in many cases difficult to predict.

Fungicide	Seed-Borne Phoma	Pythium spp.	Aphanomyces	Fusarium	Rhizoctonia	Phoma
Thiram	****					
Tachigaren	(**)	****	****	****		
Vibrance SB	(**)	****			****	****

( ) denotes no label claim

### Additional Insecticides

With the loss of neonicotinoids the largest change to seed treatments will be in available insecticides. There will only be one option, the pyrethroid **Force ST** (Tefluthrin) which is the remaining active ingredient of the previous CruiserForce that growers will be familiar with. This product will control a number of pests which attack sugar beet seedlings including springtails, symphylids, millipedes and pygmy beetle but as it is not systemic it does **not** control aphid vectors of beet yellows viruses or leaf miners.

Insecticide	Springtails	Symphylids	Millipedes	Pygmy Beetle	Wireworm	Aphid vectors/Virus yellows
Force ST	****	****	****	****	None	None

### Disposal of neonicotinoid treated seed

Products containing clothianidin, imidacloprid and thiamethoxam were withdrawn from sale on the 19 September 2018 with usage date terminating on the 19 December 2018. Therefore, seed treated with any of these products must not be used after this date. Please dispose of any remaining neonicotinoid treated seed according to regulation guidelines.

For further details of the products included, please see the HSE website:

<https://content.govdelivery.com/accounts/UKHSE/bulletins/2069c4b>



## EVENTS

Join the BBRO Team at one of the following events:

**Demonstration Farms.** The autumn programme includes sessions on:

Harvesting and storage • Seed varieties • Crop nutrition • Fungicides & insecticides

- 4th December Askham Bryan College 13:45 - 15:30
- 5th December Bracebridge 13:30 - 15:30

**Drill Training.** For contractors and drill operators, programme includes:

Practical soil management • Cultivation techniques for the perfect seed bed • Pelleting and seeds • Drill maintenance for optimum performance

- 4th December Askham Bryan College 8:30 - 12:30
- 24th January Morley Farms 8:30 - 12:30

### BBRO Winter Technical Events

- 5th February - Newmarket Racecourse
- 7th February - Belton Woods

Book via BBRO website [www.bbro.co.uk/events](http://www.bbro.co.uk/events)

British Beet Research Organisation, Innovation Centre, Norwich Research Park, Colney Lane, Norwich, NR4 7GJ

**Dr Mark Stevens** mark.stevens@bbro.co.uk 07712 822194

**Dr Simon Bowen** simon.bowen@bbro.co.uk 07718 422717

**Stephen Aldis** [Stephen.aldis@bbro.co.uk](mailto:Stephen.aldis@bbro.co.uk) 07867 141705

**General Enquiries** info@bbro.co.uk



## 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](mailto: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 [NRoSOC PD@cityandguilds.com](mailto:NRoSOC PD@cityandguilds.com)