**Seed Treatments**

**Seed Pelleting**

There will be an option of seed technologies supplied by Germains. These will be **Xbeet Plus** and **Xbeet Enrich100**.

**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 Enrich100** 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 better protects against disease and stress. This results in improved stress tolerance, stronger plants, better leaf coverage and faster emergence.

**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.

**Additional Fungicides**

There will be a further option for **Vibrance SB** whichcontains sedaxane, fludioxonil and metalaxyl-M. This product controls a wide range of soil-borne diseases in sugar beet including Rhizoctonia, Pythium spp. and Phoma.

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

**Additional Insecticides**

Withthe loss of neonicotinoids the largest change to seed treatments will be in available insecticides. There will only be one option, **Force ST** (Tefluthrin). This product will control a number of pests which attack sugar beet seedlings including springtails, symphylids, millipedes and pygmy beetle but does not control aphid vectors of beet yellows viruses.

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