

Origin **S**weet-Beet range

What is **Sweet-Beet**?

Sweet-Beet is a range of salt mix fertilisers combining innovative technologies specifically designed for high-yielding, high-quality sugar beet crops. Local FACTS qualified advisors will prescribe a **Sweet-Beet** product to match soil and crop needs.

Why use the **Sweet-Beet** range?

- ✓ **Sweet-Beet** is formulated to meet your field specific nutrient requirements
- ✓ **Sweet-Beet** optimises crop establishment and yield potential
- ✓ **Sweet-Beet** can provide any combination of P, K, S, Mg, Na and micro-nutrients using a range of specifically selected ingredients, including:
 - ✓ Magnesia Kainit^(R), a unique product containing potash, magnesium, sodium and sulphur plus trace elements
 - ✓ Sylvinite, a naturally occurring high-quality potassium and sodium product;
 - ✓ Polysulphate^(TM), a unique multi-nutrient fertiliser containing sulphur, potassium, calcium and magnesium
 - ✓ Wolf Trax EvenCoat^(R) technology to apply micro-nutrients, for example boron
- ✓ **Sweet-Beet** is manufactured at Origin Great Yarmouth, by staff with a wealth of experience of producing sugar beet fertilisers



Sweet-Beet range examples

Sweet-Beet can be manufactured to produce unique prescription fertilisers designed to match crop requirements. The recommendation table, based on RB209, shows some examples of **Sweet-Beet** grades designed for different soil circumstances.

| Sweet-Beet and Wolf Trax ^(R) boron | | | | | Rate | Soil indices | | | | Using Sweet-Beet | |
|---|------------------|------|-------------------|-----------------|-------|--------------|----|---|----|------------------|--|
| P ₂ O ₅ | K ₂ O | MgO | Na ₂ O | SO ₃ | Boron | kg/ha | P | K | Mg | | Bn |
| 0 | 25 | 0 | 25 | 0 | | 400 | >2 | 2 | 2 | 2 | <p>Apply Sweet-Beet to stubble or ploughed land in autumn/winter or in January/February on light or sandy soil</p> <p>Sweet-Beet is suitable for farmer spreading.</p> <p>Sweet-Beet is available in bags or bulk for added convenience</p> <p>Sweet-Beet is made and delivered locally from Great Yarmouth</p> <p>The Sweet-Beet range contains spring N and NS sugar beet fertilisers.</p> <p>Bespoke Sweet-Beet grades are available</p> <p>At index 1, boron is desirable and index 0 is essential</p> |
| 0 | 17 | 12.5 | 17 | 12.5 | ✓ | 585 | >2 | 2 | 1 | 1 | |
| 0 | 19 | 0 | 30 | 0 | ✓ ✓ | 665 | >2 | 1 | 2 | 0 | |
| 0 | 15 | 8.5 | 23 | 8.5 | | 860 | >2 | 1 | 1 | 2 | |
| 10 | 20 | 0 | 20 | 0 | | 500 | 2 | 2 | 2 | 2 | |
| 7 | 14 | 10.5 | 14 | 10.5 | ✓ | 695 | 2 | 2 | 1 | 1 | |
| 6.5 | 16.5 | 0 | 26 | 0 | ✓ | 775 | 2 | 1 | 2 | 1 | |
| 5 | 13.5 | 7.5 | 20.5 | 7.5 | | 970 | 2 | 1 | 1 | 2 | |
| 14 | 17.5 | 0 | 17.5 | 0 | ✓ | 565 | 1 | 2 | 2 | 1 | |
| 10.3 | 13 | 10 | 13 | 10 | ✓ | 760 | 1 | 2 | 1 | 1 | |
| 9.5 | 15 | 0 | 24 | 0 | ✓ ✓ | 840 | 1 | 1 | 2 | 0 | |
| 7.5 | 12.5 | 7 | 19.5 | 7 | ✓ ✓ | 1035 | 1 | 1 | 1 | 0 | |

Using Wolf Trax^(R) boron rather than traditional granular boron gives peace of mind that any boron deficiencies are being proactively addressed. Get the benefits of Wolf Trax^(R) boron for no additional cost per ha.

| Wolf Trax ^(R) boron | Granular boron |
|---|---|
| ✓ Even Coat™ technology for optimum distribution of boron | ⊗ Poor distribution of boron in the soil: hot-spots and deficient areas |
| ✓ Dual Action™ for extended release of boron | ⊗ Single form of boron, doesn't provide extended release |
| ✓ Plant Active™ formulated product – designed to optimise nutrient uptake | ⊗ Not formulated for optimum uptake, therefore less effective |



wolftrax[®]
INNOVATIVE NUTRIENTS



High quality nutrients

Sweet-Beet can provide any combination of P, K, S, Mg, Na and micro-nutrients using a range of specifically selected ingredients. Unique prescription fertilisers can be produced to match crop requirements, encompassing a range of market-leading raw materials.



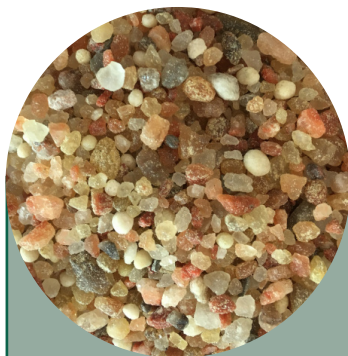
Wolf Trax^(R)

- Even Coat[™] technology for optimum distribution of boron
- Dual Action[™] for extended release of boron
- Plant Active[™] formulated product – designed to optimise nutrient uptake
- Provides 50 times more boron sites in the soil profile compared to granular boron production



Sylvinite

- Naturally occurring
- High quality potassium and sodium
- Contains important trace elements such as boron, calcium, magnesium and iron
- Suitable for straight or blended application
- An authorised fertiliser for Organic production



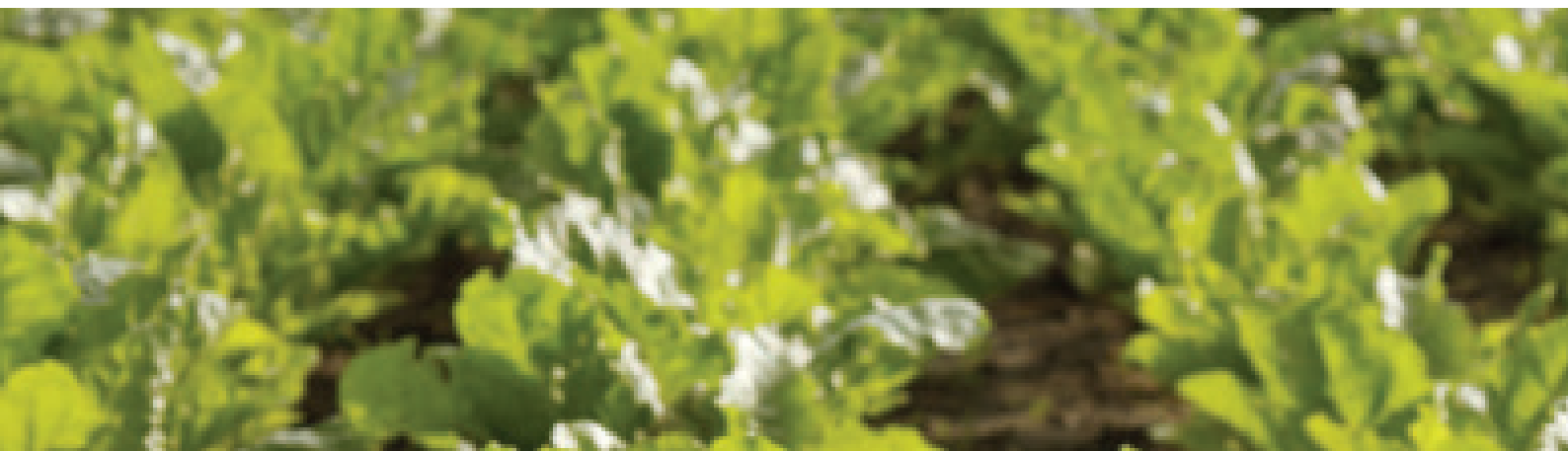
Magnesia-Kainit^(R)

- Mined potash salt, containing the valuable mineral kieserite
- High quality potash, magnesium, sodium and sulphur
- 100% water soluble, immediately available
- Can be spread accurately at bout widths up to 36m
- An authorised fertiliser for Organic production



Polysulphate^(™)

- Mined polyhalite in its natural state in GB
- Contains sulphate forms of sulphur, potash, magnesium and calcium
- Excellent spreading characteristics
- Can be applied as a straight or formulated into a wide range of grades
- An authorised fertiliser for Organic production



If you don't measure it, you can't improve it

The British sugar beet review February 2018 talks about applying precision fertiliser practice to the application of knowledge and recommends doing "what we currently do, but better".

A soil analysis is essential for providing the factual information required to build a nutrient programme. Based on the soil results, a prescription fertiliser can be formulated for your crop in order to optimise your potential yields.

By matching nutrient supply with crop demand, you can ensure that the appropriate level of nutrients are available to maximise profitability on your farm.

As well as analysing soil pH along with a measure of plant available phosphorus, potassium and magnesium, an **Origin Sweet-Beet Standard+ analysis** also measures sodium and boron levels.

Origin Sweet-Beet Extra+ provides analysis on an extra 8 nutrients, giving you in-depth knowledge of your soil.

Using the soil results enables you to adapt your nutrient inputs to maintain soil indices at target levels and to achieve the best yields for your crop.

The interpretation and nutrient prescription should be made by an Origin FACTS Qualified Adviser.



Sweet-Beet Extra+

Do you know your soil?
Soil analyses on sugar beet show many soils are deficient in key nutrients.

80% 80%

deficient in boron deficient in sodium

The **Origin Sweet-Beet Extra+** analysis measures your soil for pH, phosphate, potash, calcium, magnesium, sulphur, boron, copper, iron, manganese, molybdenum, sodium, zinc and cation exchange capacity.

Your prescription **Origin Sweet-Beet** grade can be tailored exactly to your soil and crop requirements.

Advanced nutrition for enhanced performance

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