



Sugar Beet Nutrition – Big Prices alongside with big yields

Sugar Beet will be one of the top gross margin crops on a lot of farms across East Anglia. Although the price has not been fixed at this moment in time, it appears that it will be favourable for growers.

Maximising your crops output should be at the forefront of any sugar beet growing plan for 2024. Many crops went undernourished this year which showed as crops were highly stressed and developed slowly through the dry spring.

Investing in quality fertilisers and spread correctly will pay great dividends come harvest. The better your inputs, the better your output should be.

Getting crop nutrition right is essential for strong and healthy plants right the way through their growth stages. An all-round healthy crop will cope with stresses from disease, pests, adverse climate conditions and chemical sprays much better than a crop given a “basic programme”.

Autumn Applications

Applying nutrients in late autumn or early winter prior to ploughing or working the land has several benefits. Sugar Beet have active roots at depth, but the main advantage is that not having newly applied nutrients in the seedbed is helpful to germination and establishment of a good plant population. There will be no wheel marks in the seedbed and incorporation of these nutrients is significant.

However, in very-light sandy soils, early spring may be beneficial for soils to hold onto K and Sulphur. It is generally advised that base sugar beet fertilisers be applied a minimum of two weeks prior to drilling.

Why do people use Payne Crop Nutrition?

By ordering through Payne’s you are receiving a high-quality service from start to finish.

- ✔ Payne’s specialise in manufacturing bespoke fertilisers for high-value crops.
- ✔ We use quality raw materials and know the providence of we will provide.
- ✔ Our fertiliser will supply available nutrients for the intended crop.
- ✔ We offer a personalised service from start to finish, where you can speak with not just experienced people, but the right people that make it all happen.
- ✔ Our nutrient advisors are all FACTS qualified with decades of practice, whilst our own facility is operated by experienced personnel.
- ✔ Our flexibility is unmatched in everything we do to accommodate your personal needs.
- ✔ We work with local contractors that live agriculture and farming.
- ✔ Payne’s are 100% owned and operated in East Anglia, supporting local business and people.
- ✔ We support local organisations, sporting clubs, farming associations and charities.

Payne Fertiliser Process

1. Soil Sampling – Use our fully serviced soil sampling offer or organise your own.
2. Nutrient Recommendation – Our experienced FACTS qualified staff can discuss with you a recommendation, or you can advise us of requirements.
3. Create Bespoke fertiliser to quantity required for your fields.
4. Delivery to your farm in bags, bulk or use our spreading service. Collection from our site when suits you available throughout the year.



Sugar Beet Nutrition – Supply your crop

Sugar Beet is a nutrient hungry crop, supplying enough nutrients is key to producing healthy and high yielding plants. Making sure nutrients applied to land are in a readily available format so that the coming beet crop can use all those nutrients when called upon. Advice should always be undertaken by an experienced FACTS qualified advisor.

Potash – Must be available in the soil to achieve high yields of acceptable quality. Potash is required in large amounts to supply these big yielding crops. Potassium enhances the ability of plants to resist stress from disease, pests, cold and drought.

Phosphate – Aids root development and establishing young plants. Phosphate has many roles in cell metabolism.

Magnesium – Sugar Beet is highly responsive to Mg which is an essential constituent of chlorophyll which gives leaves their green colour. Kieserite is the best source being 100% water-soluble and nutrient recovery over 80% in one year, plus the added sulphur in the material gives added economic benefit to your sugar beet fertiliser blend.

Salt – Sugar Beet has a specific requirement for sodium (Na) in addition to K for growth. The crop usually takes up about 70 kg/Ha of Na₂O on soils well supplied with K, and 200 kg/Ha for soils low on K.

Boron – Boosts root yields and increases sugar levels. Boron deficiency can adversely affect sugar beet yields deformation starting on younger leaves, Necrosis rotting the root and “Heart Rot” where the growing point dies off and eventually the plant dries up and dies.

Flexibility & Service

Dealing with Payne Crop Nutrition is personable and flexible, our old-fashioned values are what set us apart from National suppliers.

We know that changes often need to happen, you may need to amend a quantity or analysis to suit a cropping change. Delivery may need to be put off or drawn forward for whatever reason. You may want to collect from our site and have product made to specification, fresh for application.

Speaking to the right people that make things happen is a benefit to your business. Being a small firm, we can track and monitor each order line easily and see exactly where it is in the production and delivery schedule.

We can work with your preferred spreading company. We fit our schedule to the spreading company and your farming operations, this ensures that product is made fresh and delivered to farm just before spreading, minimising the time fertiliser sits on farm.

Delivered & Spread Service

80% of Payne’s blended fertilisers for Sugar Beet use our delivered and spread service.

Bespoke tailor-made fertilisers delivered & spread benefits:

- ✔ Apply exactly the nutrients required for the crop/field.
- ✔ Nutrients in the right format for your crop.
- ✔ No wastage, handling or bag disposal.
- ✔ No calibration testing.
- ✔ Fertiliser processed within 24 hours application, ensuring quality.
- ✔ Saves your time and your machinery.

Our spreading services are carried out by the best independent contractors in the country, giving transparency between our production and application services.