LIMEX70

grassland

maximise your yields and crop profitability

LimeX70, produced by British Sugar, is the ultimate performer to correct soil acidity and maintain target pH in grassland

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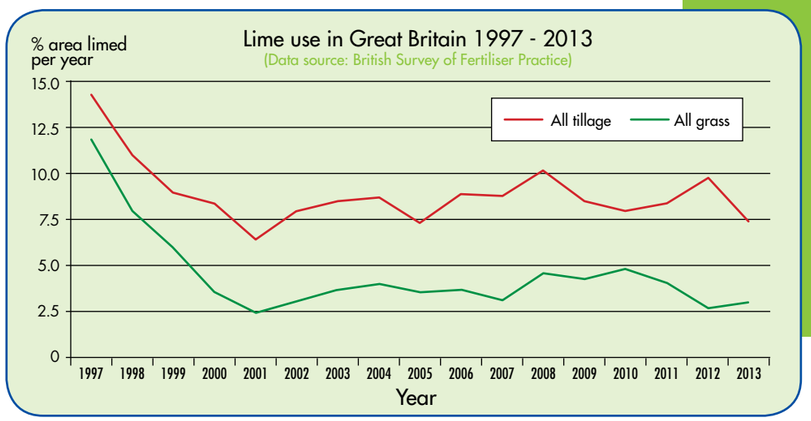
UK's No.1
Liming product for correction of soil acidity

SOIL ASSOCIATION APPROVED

Consult your certification body

Declining trend in the **application of lime**

By maintaining the pH of your grassland at the optimum level you can ensure you achieve maximum returns from your crop and livestock. Grassland is highly responsive to lime but frequently gets less attention than arable crops. Published research suggests that grassland has historically received proportionally less lime than arable rotations.



Unfortunately, this liming shortfall is exacerbated by the impact of nitrogen fertiliser and nitrogen mineralisation of organic manures which increase the natural rate of acidification; and the harvesting of herbage removes a much higher quantity of calcium than other crops.

The cumulative effect of these factors is a trend towards greater acidification of grassland resulting in poorer sward composition and ultimately declining yield and quality.

Take control of your grassland!

Follow this step-by-step approach and realise the full profit potential of your land.

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1 pH testing

If you suspect your grassland is too acidic or simply want reassurance, then the first step is to undertake an accurate field pH assessment.

Our dedicated LimeX team can offer a professional soil pH mapping service with optional nutrient testing across much of the UK. Soil samplers are trained to high standards, offering 'field walked' or 'ATV driven' options.

In addition to creating the data for field assessment, field maps also assist hauliers to locate tipping points and ensure spreading contractors have the specific field by field detail they require for overall or part field treatment.

2 Treatment recommendations

'FACTS' qualified members of the LimeX team review the results to give an accurate basis for subsequent technical recommendations that take into account any specific crop rotation or other requirements. Precision at this stage provides total confidence in the level of LimeX required and ensures outstanding cost-efficiency.

More detailed information for other rotations is available at www.limex.co.uk

LimeX70 Application Rates
(for 1 pH unit increase)

Soil Type	Grassland (15cm depth) Tonnes / hectares (Tonnes / acre)
Sands	7.5 (3.0)
Light	7.5 (3.0)
Medium to Clay	9.0 (3.6)
Organic	10.5 (4.3)
Peat/Peaty	10.5 (4.3)

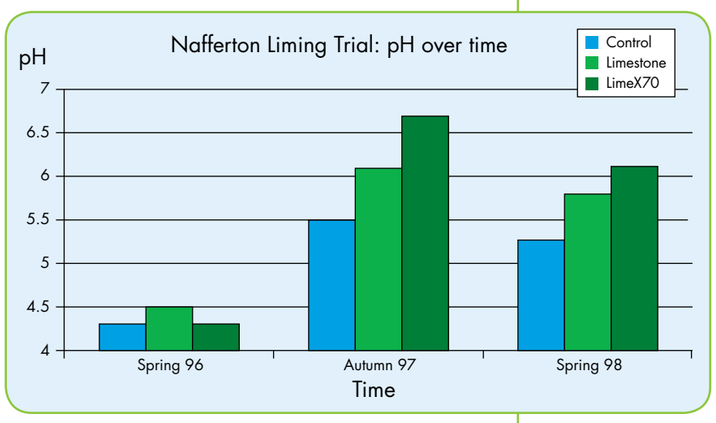
3 Supply and spreading

A popular approach is our 'delivered & spread' package, comprising experienced haulage and spreading contractors providing a professional, timely and cost-effective service.

An alternative option is to take full advantage of the 'back-loading' opportunity available from all our sites during the beet campaign. We can arrange it so that a returning haulier brings LimeX70 straight to your farm, so saving you money.

Customers can collect ex-factory if they prefer.

LimeX - the right choice - **proven scientifically**



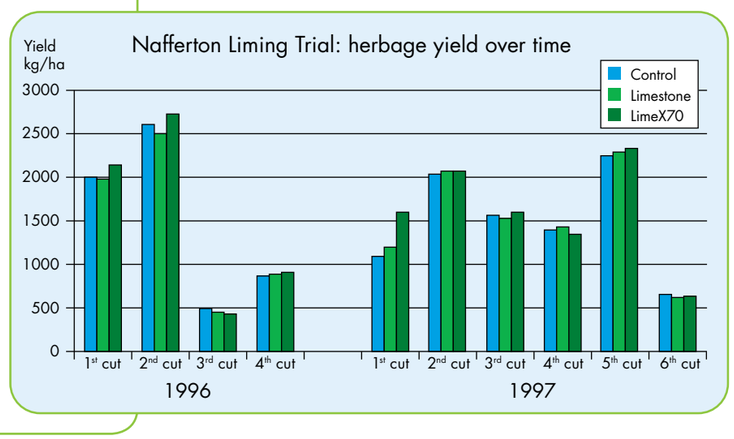
Achieving market leadership has been about a commitment to excellence through investment in plant and people and importantly in scientific studies.

Liming trials conducted by the University of Newcastle upon Tyne completed in 1998 demonstrated LimeX70's ability to raise pH more rapidly than a traditional limestone product.

As the graph (left) shows, LimeX70 provided the best pH uplift, reflecting its very fine particle size and unrivalled reactivity.

Higher yields

In addition, yield responses were highest where LimeX70 was applied, along with increases in nitrogen uptake and hence crude protein. The table (right) demonstrates that LimeX70 has tended to give the herbage yield advantage, probably linked to improved Nitrogen utilisation.



Realising the **nutrient value**

A unique advantage of LimeX70, and an important one regarding overall farm costs, is the value of the nutrients integral in the product. The information below shows the minimum levels for three important plant nutrients and their value to your enterprise using the Fertiliser Manual (RB209 8th Edition 2010) as a guide.

Phosphate (P_2O_5)

- Minimum of 10kg in every tonne of LimeX70
- At a LimeX70 application rate of 5 tonne/hectare (2t/acre) this equates to 50kg/hectare of P_2O_5 worth £35.00
- Provides maintenance phosphate for many grassland situations (range 20-90kg/ha).

Magnesium (M_gO)

- Minimum of 7kg in every tonne of LimeX70
- At a LimeX70 application rate of 5 tonne/hectare (2t/acre) this equates to 35kg/hectare of M_gO worth £14.00
- Provides 33-50% sufficient maintenance magnesium for grassland.

Sulphate (SO_3)

- Minimum of 6kg in every tonne of LimeX70
- A 5 tonne/hectare (2t/acre) LimeX70 application provides 30kg/hectare of SO_3 worth £3.00 (25-40kg SO_3/ha is recommended where deficiency may occur before each silage cut.)

The combined value of these integral nutrients is typically

£60.00 per hectare

inclusive of the saving of application

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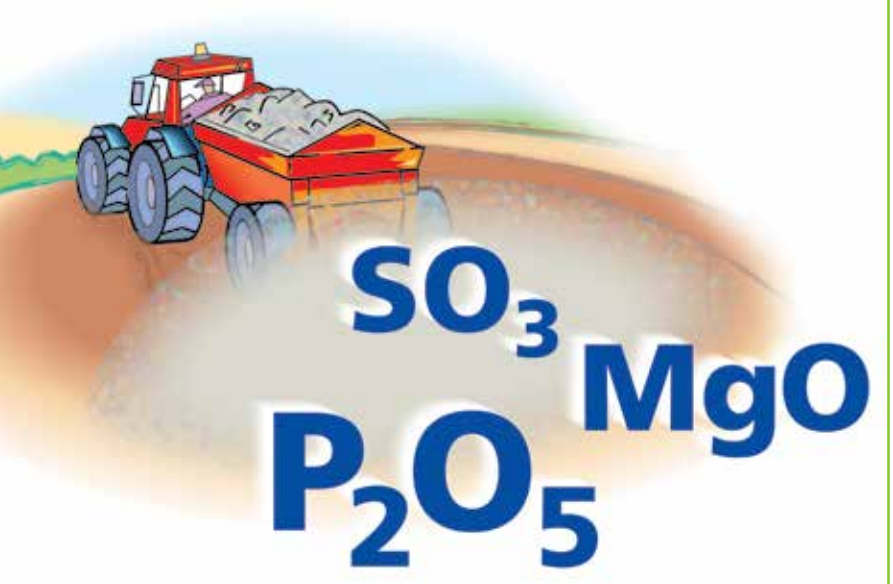

pH-nutrient maintenance

The above values are based on the market-average price of proprietary nutrients and were correct at the time of printing.

The most up-to-date values are available on our website **limex.co.uk**

To discuss your liming requirement or for technical enquiries, contact our

Helpdesk 0870 240 2314

or visit our website **limex.co.uk**

Alternatively, e-mail us at *limex@britishsugar.com*

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