LIMEX70

cereals

maximise your yields and crop profitability

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

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

SOIL ASSOCIATION APPROVED

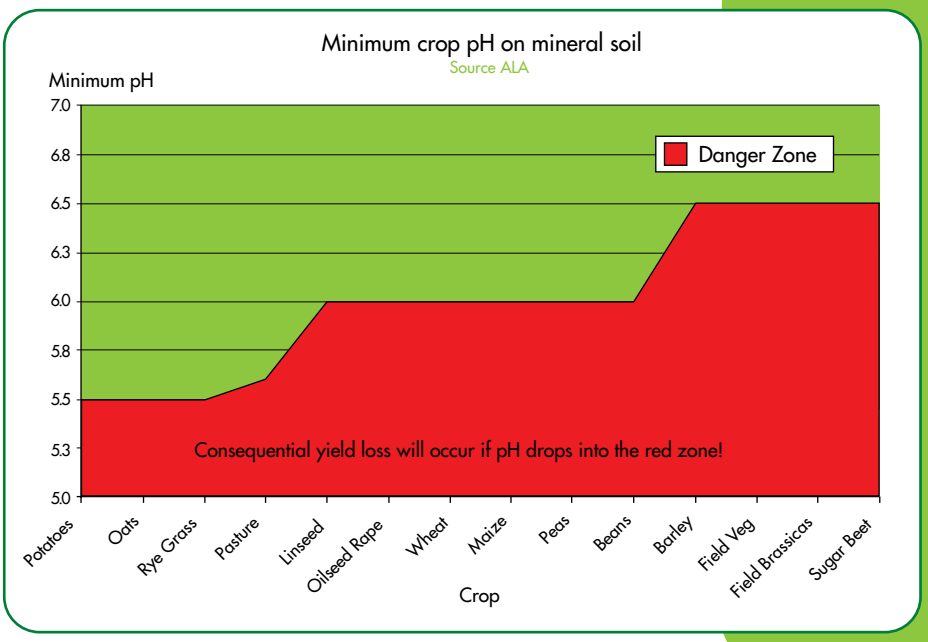
Consult your certification body

Take control of your cereals

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

Cereals are sensitive **to sub-optimal pH**

Yield losses can be severe if soil pH status is overlooked. For example, in a long-term liming trial carried out at Rothamsted, yields of Barley were reduced by 2.0t/ha when pH reduced from the target 6.5 to 5.5!



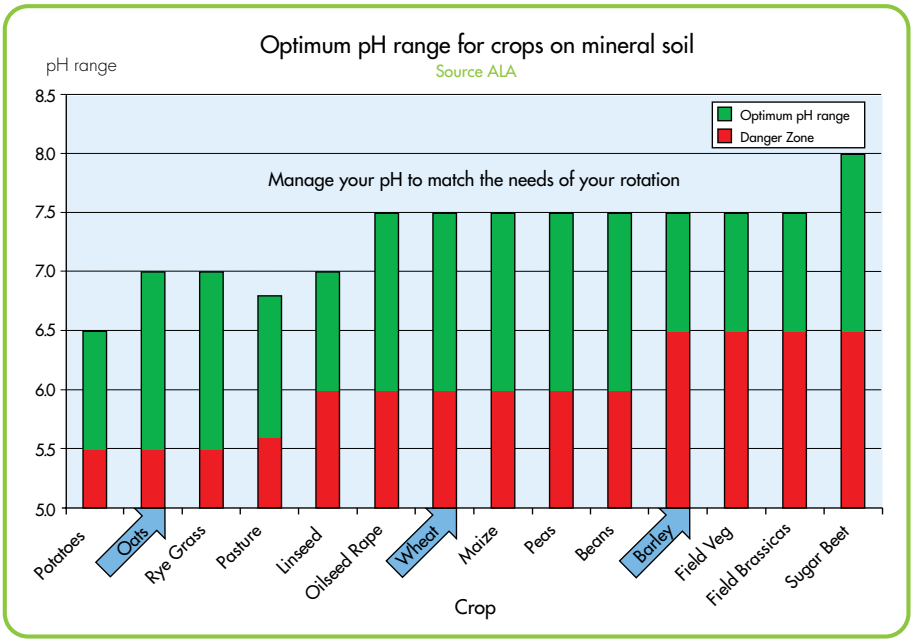
Farmers need to assess their liming requirement in advance of growing their most acid sensitive crop within the rotation. Typically, sugar beet, barley, oilseed rape and wheat can be susceptible species, as shown in the graph right, but not exclusively!

Once pH drops from the optimal range it will continue to decline into the **'danger zone'** where the potential for yield loss can be catastrophic, and the cost to rectify this increases significantly.

Typically, cultivations, leaching and the impact of nitrification can combine to reduce pH, equivalent to using more than 1 tonne of calcium carbonate per hectare per year. Crop use by comparison is minimal.

Therefore, **by using fast-acting maintenance applications of LimeX70, pH can be managed in advance** for more sensitive crops, with the potential to benefit the remainder of the rotation, until pH testing for subsequent sensitive crops is required again.

Many growers apply LimeX70 as a maintenance dressing when pre-drilling in the autumn or, in the case of light land, in the spring prior to planting; adopting a cultivation strategy to ensure the LimeX70 is well incorporated into the top 20cm to **optimise crop development.**



Unique **Product Benefits**

Very fine particle size – ensures fast-acting & lasting pH correction

Dry substance level – minimises dust when spreading

Nutrient content – provides useful contribution to soil fertility

Organic approval – via the Soil Association

Storage robustness – offers on-farm flexibility

Comprehensive **Customer Service**

All-year national availability – flexible for all rotational needs

Soil sampling & pH mapping – for accurate determination of liming requirement

FACTS-qualified staff – giving you a targeted liming recommendation

Self-collect or delivered & spread options

Flexible payment options

s!

your land.

1 pH testing

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

Our dedicated LimeX team offers a professional soil sampling and 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

LimeX70 Particle Size: comparison with common liming products (% passing through sieves)

	5mm	3.35mm	150 micron
LimeX70	99	97	85
Screened Limestone	100	95	20
Mg Ground Limestone	100	95	40
Mg Screened Limestone	100	95	20
Chalk	92	85	66

One tonne of LimeX70 contains a minimum content of:

Total P_2O_5	10kg/t
Total MgO	7kg/t
Total SO_3	6kg/t

Can be included in fertiliser balance for following crop

See back page for more detail on the value of these nutrients

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LimeX70 Application Rates
(for 1 pH unit increase)

Soil Type	Arable (20cm depth) Tonnes / hectare (Tonnes / acre)
Sands	9.0 (3.6)
Light	10.5 (4.3)
Medium to Clay	12.0 (4.9)
Organic	16.5 (6.7)

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.

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.

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 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 (3t/acre) this equates to 50kg/hectare of P_2O_5 worth £35.00
- This is sufficient maintenance phosphate for many cereals at P index 2 (range 45-60kg/ha).

Magnesium (MgO)

- Minimum of 7kg every tonne of LimeX70
- At a LimeX70 application rate of 5 tonne/hectare (2t/acre) this equates to 35kg/hectare of MgO worth £14.00
- Add 50–100 kg /MgO at Mg index 0 and 1 every 3 to 4 years

Sulphate (SO_3)

- Minimum of 6kg every tonne of LimeX70
- At a LimeX70 application rate of 5 tonne/hectare (2t/acre) this equates to 30kg/hectare of SO_3 worth £3.00 (25–40kg SO_3/ha is recommended where deficiency may occur)
- This is a valuable contribution and may reduce the risk of SO_3 deficiency

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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