

LIMEX70

maize land

maximise your yields
and crop profitability

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

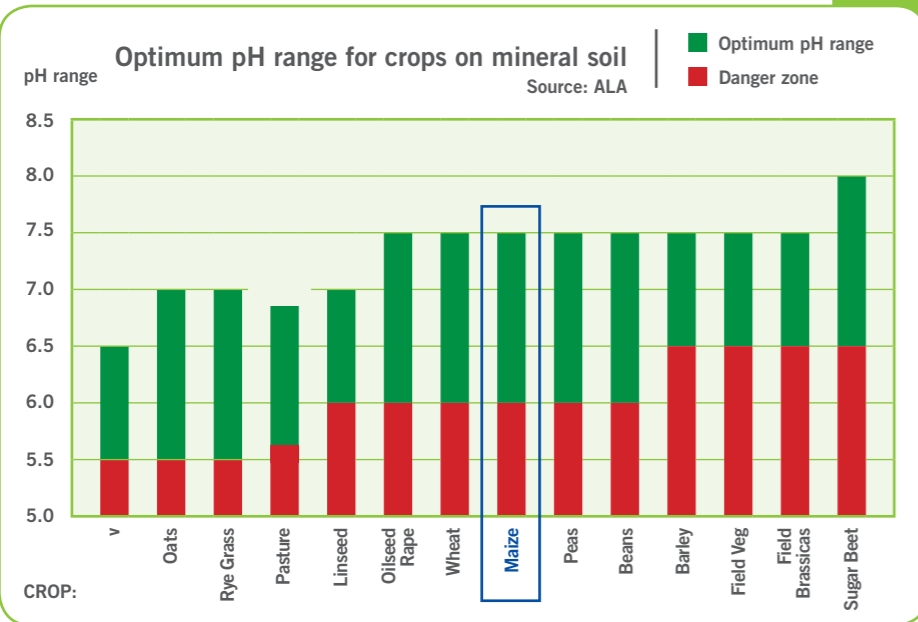


Consult your
certification body



The value in the application of lime

By maintaining the pH of your maize land at the optimum level you can ensure you achieve maximum returns from your crop. Maize is responsive to lime but can receive less attention than other crops.



Take control of your maize crop's potential

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

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1 pH testing

If you suspect your maize land is becoming 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

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

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 for maize

A quick start and high productivity depends a lot on soil fertility. On mineral soils, low pH can induce deficiencies in phosphorus that can slow root and stalk development, delay maturity, and reduce energy transfer and storage. With over 85% passing 150um, LimeX will rapidly correct soil pH to optimise nutrient availability and support healthy root development that will be more capable of keeping up with rapid vegetative growth!

Potassium deficiency is less likely to occur when pH is within the optimum range, and supports stem strength and water movement within the plant. As more than 50% of the nitrogen and phosphate, and 75% of the potash are taken up in the vegetative stage, soil pH is fundamental to crop rooting and support nutrient uptake.

The base nutrient recommendations for a 40t/ha Maize crop as described in RB209 can be seen in this table (below). Higher yielding crops will require 1.4kg additional P₂O₅ and 4.4kg K₂O per tonne above 40t/ha (see RB209 appendix 5).

	P or K Index				
	0	1	2	3	4 and higher
	Kg/ha				
Phosphate (P ₂ O ₅)	115	85	55	20	0
Potash (K ₂ O)	235	205	175 (2-) 145 (2+)	110	0

One tonne of LimeX70 contains a minimum content of:

Total P ₂ O 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

Higher yields

In addition to using more P & K, higher yielding maize crops will also take up more Magnesium and Sulphur, with increased risk of deficiency where organic matter levels are low. A maintenance application of LimeX will supply valuable quantities of both nutrients as an insurance against deficiency, that can otherwise be slow to correct in a curative situation. **Prevention is better than cure to avoid any check in maize yield or energy value.**

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.

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. Deficiency is unlikely following LimeX application.

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 P index 2 (and above) soils.

Magnesium (MgO)

- 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 MgO worth £14.00
- Deficiency is unlikely following LimeX application.

The combined value of these integral nutrients is typically

£60.00 per hectare

inclusive of the saving of application

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SO_3 MgO
 P_2O_5

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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