

**LIME**X45

# oil seed

maximise your yields  
and crop profitability

**LimeX45**, produced by  
British Sugar, is the ideal  
performer to correct soil  
acidity and maintain  
target pH

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



# Take control of your arable

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

## 1 pH testing

If you suspect your arable 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 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.

### LimeX45 Application Rates (for 1 pH unit increase)

Soil Type	Arable (20cm depth) Tonnes / hectare (Tonnes / acre)
Sands	12.0 (5.0)
Light	14.0 (6.0)
Medium to Clay	16.0 (6.5)
Organic	20.0 (8.0)

More detailed information for other rotations is available at [www.limex.co.uk](http://www.limex.co.uk)



### LimeX45 Particle Size: comparison with common liming products (% passing through sieves)

	5mm	3.35mm	150 micron
LimeX45	99	97	85
Screened Limestone	100	95	20
Mg Ground Limestone	100	95	40
Mg Screened Limestone	100	95	20
Chalk	92	85	66



# land!

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## 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 pH sampling** – for accurate determination of liming requirement
- FACTS-qualified staff** – giving you a targeted liming recommendation
- Self-collect or delivered & spread options**
- Flexible payment options**



## Delivery Options

Many LimeX45 customers choose our 'delivered and spread' package option, comprising experienced haulage and spreading contractors throughout the country to deliver a professional, timely and cost-effective liming service.

An alternative option, not just for sugar beet growers, is to take advantage of the "back-loading" opportunity that exists at our factories during the sugar beet processing season. We can arrange very economic back-loading rates directly with the beet hauliers giving you the very lowest delivery cost.

Customers can collect ex-factory if they prefer.

In addition to these, LimeX45 is also available from a network of well established agents.



One tonne of LimeX45 contains a minimum content of:

Total P <sub>2</sub> O <sub>5</sub>	7kg/t
Total MgO	5kg/t
Total SO <sub>3</sub>	6kg/t

Can be included in fertiliser balance for following crop

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

# Realising the nutrient value

A unique advantage of LimeX45, 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.

## Sulphate (SO<sub>3</sub>)

- Minimum of 6kg in every tonne of LimeX45
- At a LimeX45 application rate of 7 tonne/hectare (3t/acre) this equates to 42kg/hectare of SO<sub>3</sub> worth £4.20
- Apply 50-75kg/ha of SO<sub>3</sub> in early spring if deficiency is recognised or suspected
- OSR yield response in deficiency situations can be 50%+ with the majority of benefit from the first 25-50kg SO<sub>3</sub> / ha

## Phosphate (P<sub>2</sub>O<sub>5</sub>)

- Minimum of 7kg in every tonne of LimeX45
- At a LimeX45 application rate of 7 tonne/hectare (3t/acre) this equates to 50kg/hectare of P<sub>2</sub>O<sub>5</sub> worth £34.00
- This is sufficient maintenance phosphate for:  
At P Index 2: - Winter oilseed rape (50kg/ha)  
At P Index 1: - Spring oilseed rape (60kg/ha)

## Magnesium (MgO)

- Minimum of 5kg in every tonne of LimeX45
- At a LimeX45 application rate of 7 tonne/hectare (3t/acre) this equates to 35kg/hectare of MgO worth £11.20
- This is a valuable contribution to the rotational Mg requirement and will assist OSR
- Add 50-100kg/MgO at Mg Index 0 and 1 every 3 to 4 years

The combined value of these integral nutrients is around

**£60.00 per hectare**

inclusive of the saving of application.

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MgO  
SO<sub>3</sub>  
P<sub>2</sub>O<sub>5</sub>

## 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](http://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](http://limex.co.uk)

Alternatively, e-mail us at [limex@britishsugar.com](mailto:limex@britishsugar.com)

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