

**LIMEX**

# manage your pH

maximise your yields  
and crop profitability

**LimeX**, produced by British Sugar is the ultimate performer to correct soil acidity and maintain target pH. LimeX offers the most cost effective choice!



Consult your  
certification body



# LimeX the key facts...



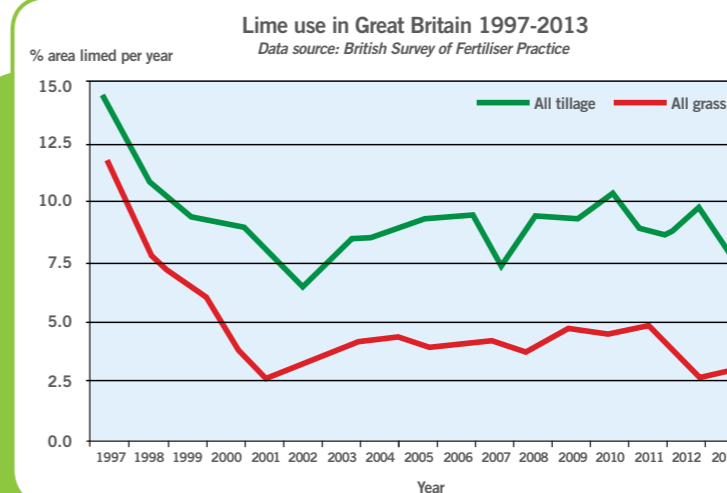
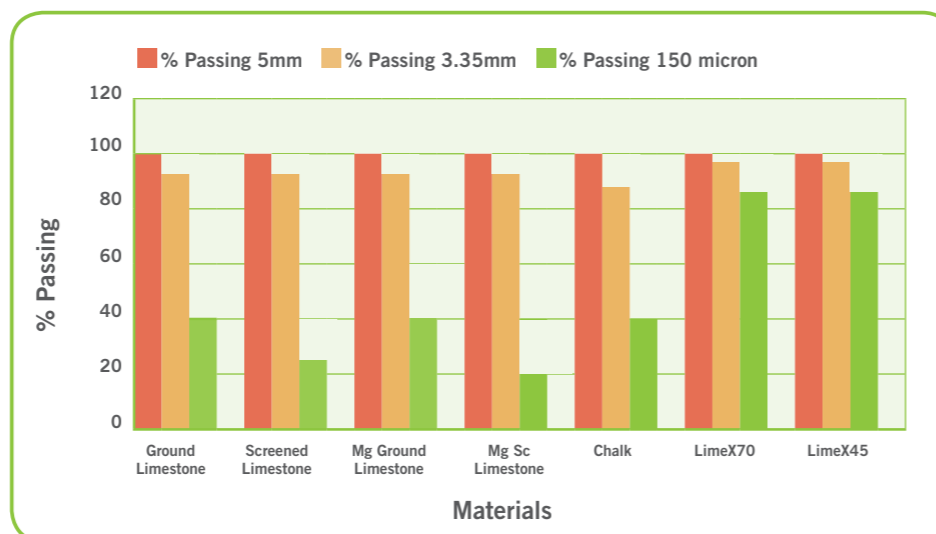
Lime quality is a factor of neutralising value (NV) and reactivity (particle size). Particles coarser than 1.3mm are of practically no liming value. Particles finer than 0.25mm are most effective in neutralising soil acidity.

LimeX particles are significantly finer than 0.25mm (250um), making it both fast acting, but long lasting with at least 85% passing 0.15mm (150um).

The fine particle size of LimeX delivers unrivalled distribution for rapid pH correction.

Managing the correct pH reduces the risk of nutrient deficiency caused by acid soil conditions that will lead to consequential yield loss.

## Particle size of a range of liming products



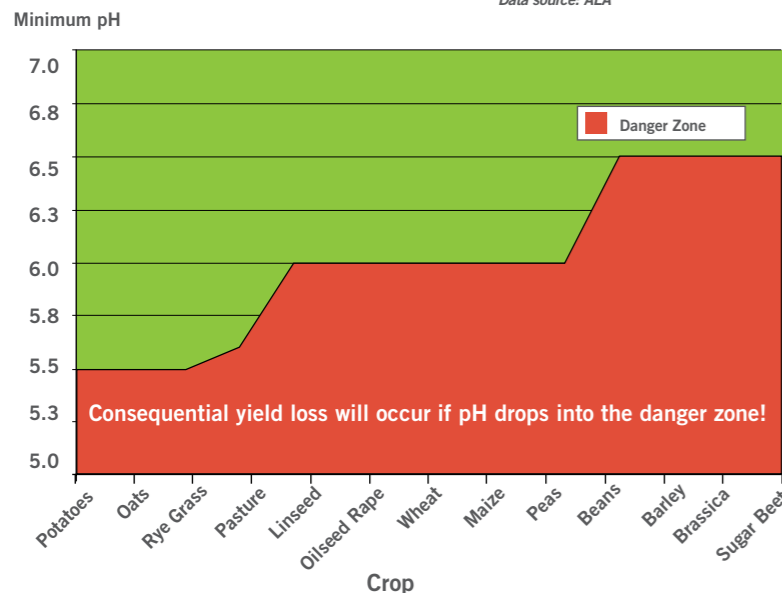
## Lime use statistics

National liming statistics show that lime use remains significantly lower than it was 15 years ago, with grassland at the greatest risk.



## Minimum pH by crop on mineral soil

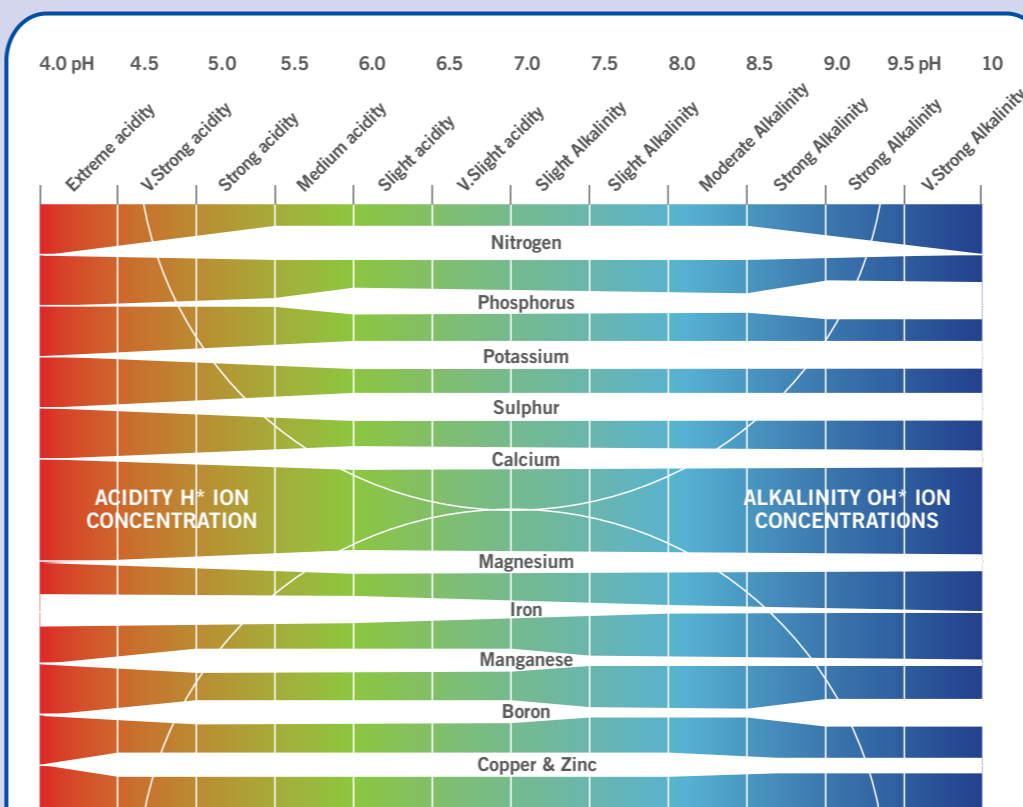
Data source: ALA



## Minimum pH by crop on mineral soil

Low pH will reduce nutrient availability, delaying crop maturity and increasing susceptibility to other risk factors.

## The effect of soil pH and nutrient availability



Reduction in the uptake of nutrients and applied fertiliser due to low pH can have a significant impact on yield potential.

Research has shown dramatic losses in nutrient utilisation can occur in low pH conditions.

## pH and fertiliser efficiency

### Nutrient efficiency (utilisation)

Soil pH	N	P	K
4.5	30%	23%	33%
5.0	53%	34%	52%
5.5	77%	48%	77%
6.0	89%	52%	100%
7.0	100%	100%	100%

Even 'mildly' acid conditions can have a major impact on nitrogen and phosphorous efficiency – can you afford to ignore this risk?



# Fine particle size and even distribution

## LimeX70 nutrients at 5t/ha

Nutrient	kg/ha
$P_2O_5$	50
MgO	35
$SO_3$	30

Every tonne of LimeX contains valuable nutrients, that can be included within the nutrient management plan. LimeX70 applied at 5t/ha (or LimeX45 at 7t/ha) will supply the following nutrients as a minimum.

This is typically worth £50/ha and supplies sufficient maintenance  $P_2O_5$  for sugar beet, oilseed rape and most cereal crops, at P index 2, in accordance with the Fertiliser Manual (RB209). The magnesium and sulphur will provide insurance against deficiency and promote healthy crop development. Prevention is better than cure.

## LIMEX70



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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