



The combined value of these integral nutrients is typically **£60.00 per hectare** inclusive of the saving of application

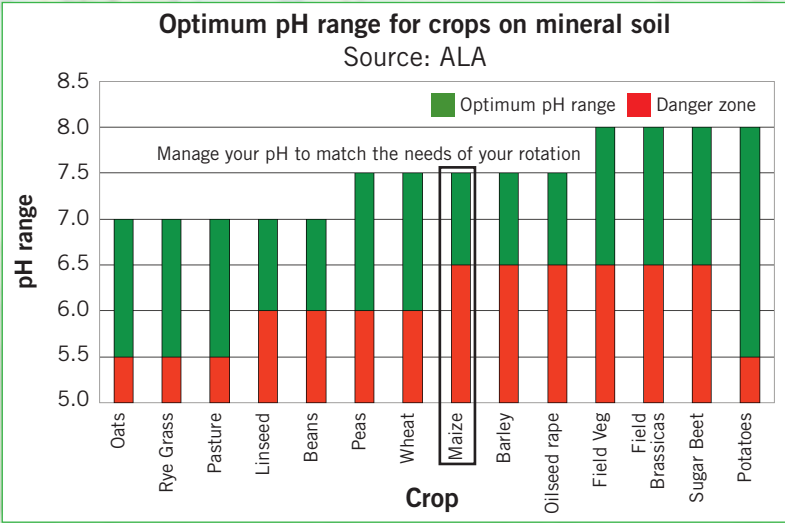
# MAIZE

## the value in the application of lime

By maintaining the pH of your maize 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.

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 150µm sieve, 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 potassium are taken up in the vegetative stage, soil pH is fundamental to crop rooting and support nutrient uptake.



To encourage rapid early growth, all of the phosphate requirement and up to 10-15kg/ha of the nitrogen requirement may be placed below the seed at drilling. the remainder of the nitrogen requirement should be top-dressed as soon as the crop has emerged.

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

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

- Minimum of 10kg in every tonne of LimeX70
- At an application rate of 5 tonne/hectare (2t/acre) this equates to 50kg/hectare of P<sub>2</sub>O<sub>5</sub> worth £30.00
- Provides maintenance phosphate for P index 2 (and above) soils at 40 tonne/hectare fresh yield

**Magnesium (MgO)**

- Minimum of 7kg in every tonne of LimeX70
- At an application rate of 5 tonne/hectare (2t/acre) this equates to 35kg/hectare of MgO worth £12.00
- Deficiency is unlikely following LimeX application. At Mg index 0, magnesium fertiliser should be applied every 3-4 years at 50-100kg MgO/hectare

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

- Minimum of 6kg in every tonne of LimeX70
- A 5 tonne/hectare (2t/acre) LimeX70 application provides 30kg/hectare of SO<sub>3</sub> worth £3.00
- 25-45kg SO<sub>3</sub>/ha is recommended where deficiency may occur. Deficiency is unlikely following LimeX application