



Calcifert |  LKAB

Calcifert LS11

Granulated Lime and Calcium Sulphate

Introducing our new product of granulated Lime and Calcium Sulphate made to help boost your soil and plant health.

An innovative new soil treatment available for the first time to UK farmers, aims to balance soil pH and supply essential Calcium and Sulphur to soils in one easy, cost-effective application.

LKAB Minerals

Calcifert LS11

Calcifert LS11 both neutralises soil to maintain a balanced pH and contains 11% SO₃ to help address the widespread sulphur deficiency on UK farmland.

Calcifert LS11 is suitable for all cropping situations that have a requirement for both soil neutralisation and a Sulphur supply. The high percentage of Calcium Lime will optimise the soil pH, being pure high reactivity Calcium Carbonate, making more nutrients bio available. The Calcium Sulphate portion of the product will supply much needed plant available Calcium and Sulphur which are commonly undersupplied in crop nutrient management plan.



Product Analysis

Calcium as Ca	37%
Calcium as CaO	52%
Sulphur as S	4.5%
Sulphur as SO ₃	11%

Importance of Sulphur

Recent data suggests that following a dramatic reduction in atmospheric deposits over the last 30 years, up to 85% of arable land and 88% of grassland, is deficient in sulphur, with some soils now at critically low levels. Sulphur is an essential nutrient required for the healthy development of all plants and vital to efficient nitrogen utilisation.

Calcifert LS11's sulphur content is coupled with high reactivity calcium carbonate – making it very effective at neutralising soil acidity and maintaining the right pH level to optimise fertiliser and nutrient efficiency leading to better quality and yield of crops.

Cost-effective and improved yield

LKAB's technical specialist and agronomist, Mark Tripney, explains more:

"With ever-increasing fertiliser prices and sourcing becoming an issue with some products, it is more important than ever that farmers get the most from the inputs they apply, and Calcifert LS11 is a quick, easy and cost-effective way to target two essential areas of soil health that need addressing annually in nearly all cropping situations – pH level maintenance and sulphur supply," says Mark.



11

Calcifert LS11 has a Sulphur value of eleven.

Trials of Calcifert LS11 application have shown:

- Strengthening of the plant's physical structure, helping to protect against disease and use sunlight and nutrients more efficiently
- Improvements to cereal yield where there was a sulphur deficiency

"Trials on one Scottish grassland farm have shown that a single spring application of just 200kg of Calcifert LS11 per hectare, improved Dry Matter yield by 9.2% between May and August. This equates to a return of 12:1 and is the result of the improved nutrient use efficiency, and plant uptake, when available calcium and sulphur are applied early in the growing season and pH is maintained at the target level," explains Mark.

"Soil health, productivity and organic matter are under the spotlight as we look to farm in a more regenerative way, and Calcifert LS11 meets this ambition by improving soil health, and ultimately leading to fewer, more carbon-heavy inputs."

Calcifert LS11 is suitable for all crops and is best suited to spring application but is also suitable for autumn drilled oilseed rape and grass reseeds. As with all Calcifert products, it is supplied in 600kg bags and can be spread on farms using a conventional fertiliser spreader.

Efficient nitrogen utilisation

Sulphur is key to efficient nitrogen utilisation. It is therefore essential that farmers get the most from the input they apply, especially with increasing fertiliser prices. Calcifert LS11 is a quick and easy way to supply both calcium and sulphur to the soil and crop.



Ideal for crops or grassland

Calcifert provides essential nutrients to grassland and crops and is easy to self-apply.

Technical data

The high percentage of Calcium Lime will optimise the soil pH, being pure high reactivity Calcium Carbonate, making more nutrients bio available. The Calcium Sulphate portion of the product will supply plant available Calcium and Sulphur which are commonly undersupplied in crop nutrient management.

Physical properties

Neutralising Value (as CaO)	44
Moisture content	<0.5%
Reactivity (HCl)	99%

Grading (after breakdown of granules in water)

	% by weight
Fineness to pass through a 2mm sieve	100
Fineness to pass through a 1mm sieve	100
Fineness to pass through a 0.315mm sieve	99
Fineness to pass through a 0.1mm sieve	88

Find out more

Find out more about the Calcifert product range, or speak to one of our Agricultural technical experts, by visiting www.lkabminerals.com.

LKAB Minerals is an international industrial minerals group with a leading position in a number of product applications. We develop sustainable mineral solutions in partnership with our customers, supplying natural minerals engineered for functionality and usability. LKAB Minerals is part of the Swedish company LKAB, one of the world's leading producers of highly upgraded iron ore products and other related mining services and products.

Value driven

We are proud and passionate about what we do – this is reflected in our values Committed, Innovative and Responsible.

Learn more at lkabminerals.com

