Reducing clubroot in field brassicas

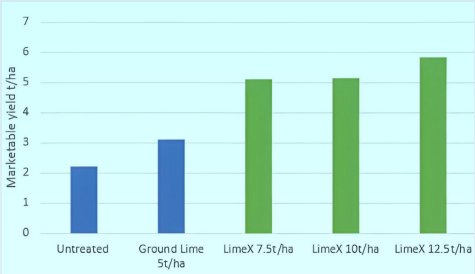
Clubroot - key facts

- Clubroot is caused by *Plasmodiophora brassicae*, a soil-borne slime mould fungus. It requires a plant host to complete its life cycle and produce more spores. **Spores lie dormant in the soil for up to 20 years.**
- Infection symptoms are white-coloured abnormal growths or galls on roots, disrupting their function, leading to above-ground stunting, yellowing and wilting of plants, significantly reducing yields.
- Clubroot is first seen in patches in the field, often associated with areas of poor drainage and aeration, resulting in anaerobic conditions. It is encouraged by acidic soils (< pH 6.8), temperatures of greater than 15°C and high soil moisture.

Using soil pH and calcium to manage LimeX

SRUC and ADAS trials have shown **the most effective control measure for mild to moderate levels of clubroot is liming.**

Liming reduces clubroot by adding calcium to the soil and raising the pH. Both are essential for control.



Warwick College and University Centre 2010, the effect of different liming materials on marketable yield of calabrese in a high-pressure clubroot situation.

The speed of activity is critical for liming to be effective; because of this, **liming material choice is the difference between good and inadequate control.**

Small particle size = better clubroot control

The fine particle size of LimeX, where every particle is smaller than 150 microns (0.015mm), allows for rapid breakdown and release of calcium into the soil while raising pH rapidly. **LimeX begins to work within 4-6 weeks of application. Traditional agricultural lime can take up to six months to have an effect.**





Want to know more?

For more information or to speak to one of our FACTS Qualified Advisers contact us on 0800 090 2376

If you are a sugar beet grower for British Sugar please speak to your Agriculture Manager

LimeX is a calcium carbonate liming product, manufactured by British Sugar Plc as a co-product of sugar purification. It has a super fine particle size and extra nutrients that aren't found in other ordinary liming products.

LIMEX

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