

The combined value of these integral nutrients is typically

£100.00 per hectare

inclusive of the saving of application

CARROTS

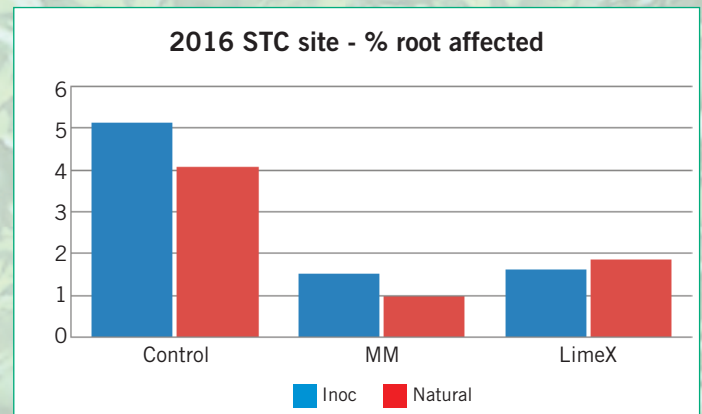
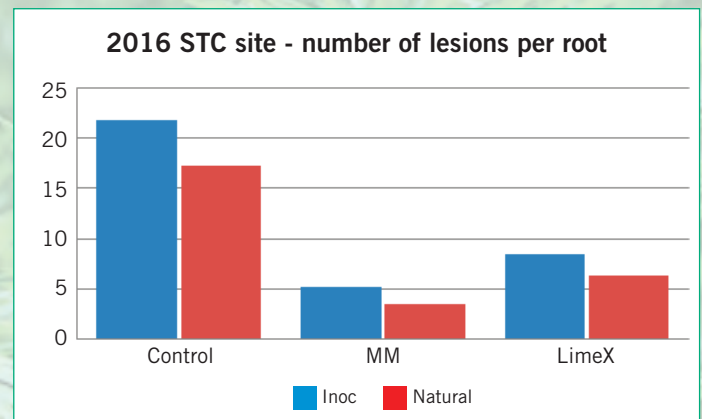
reducing the severity of cavity spot

Cavity spot caused primarily by *Pythium violae* can lead to significant losses for growers, with greatest severity in overwintered crops. Recent research undertaken via HDC-funded projects have demonstrated how variable the disease can be, making it difficult for growers and advisers to predict, detect and quantify.

Replicated field trials conducted under HDC FV391 over three years at two trial sites between 2011 and 2013 concluded that there were significant reductions in cavity spot achieved by using Metalaxyl-M (MM) or LimeX70. No other treatments gave significant benefit.



2016 Stockbridge Technology Centre Trial



The research concluded that:

- LimeX provides good control of cavity spot and may be an effective alternative treatment to Metalaxyl-M
- Alternaria was significantly reduced by a number of treatment programmes including Metalaxyl-M and LimeX

The cost of LimeX applied at 10t/ha (delivered and applied) can vary between £150/ha to £250/ha depending on transport distance. With the costs of Metalaxyl-M at circa £300/ha delivered and applied, LimeX is a viable alternative for a number of growers.

Furthermore, the integral nutrients contained within LimeX at 10t/ha also supplied the maintenance P2O5 and MgO for the crop in accordance with RB209.

Phosphate (P₂O₅)

- At a LimeX70 application rate of 10 tonne/hectare (4t/acre) this equates to 100kg/hectare of P₂O₅ worth £60.00, sufficient on P Index 2 soils

Magnesium (MgO)

- At a LimeX70 application rate of 10 tonne/hectare (4t/acre) this equates to 70kg/hectare of MgO worth £25.00
- Apply 100kg MgO on Mg Index 1 soils

Sulphate (SO₃)

- At a LimeX70 application rate of 10 tonne/hectare (4/acre) this equates to 60kg/hectare of SO₃ worth £6.00 (25kg SO₃/ha is recommended where deficiency may occur)
- Apply at, or soon after planting