Polysulphate®

Trial

Carrot
(Daucus carota)
on a loamy soil

Polysulphate fertilizer is a soluble, easily-absorbed, cost effective answer to crop nutrition, containing four key plant nutrients: sulphur, potassium, magnesium and calcium.

S	48% SO_3 (19.2% S)
K	14% K_2O (11.6% K)
Mg	6% MgO (3.6% Mg)
Ca	17% CaO (12.2% Ca)

ICL

Fertilizerplus®
Premium plant nutrition from ICL Fertilizers

When

Sowing: April 2019
Harvest: July 2019

Where

Saint-Jean-Brévelay, Brittany, France

Crop

Carrot *(Daucus carota cv. Salto)*

Soil type

Loamy soil, pH 6

Measurements

Yield

Objective

To compare three different sources of potassium (MOP, SOP and standard Polysulphate) on the yield of carrots grown in the north–west of France.

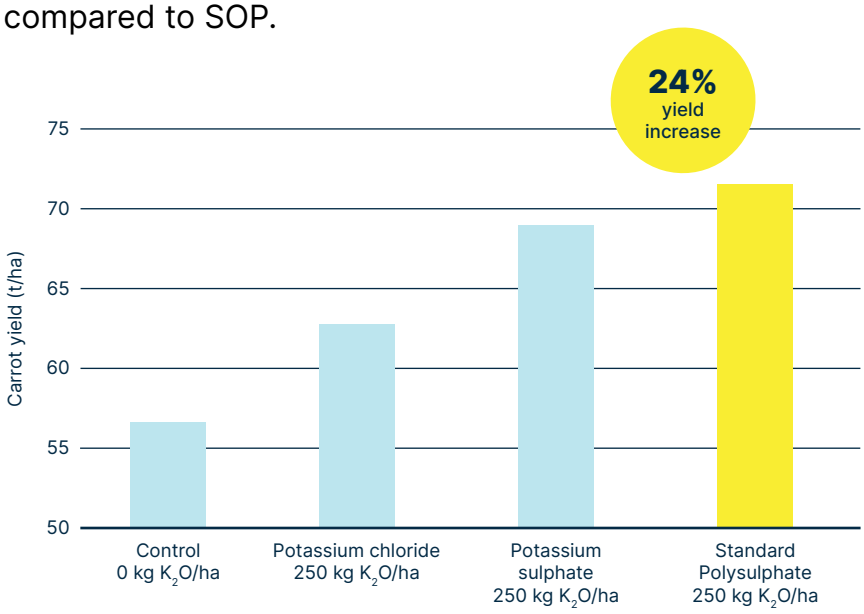
Treatments

The trial consisted of micro plots with 4 replicates. The treatments had the same potassium dose (250 kg K_2O/ha) given as either MOP, SOP or standard Polysulphate.

Nitrogen was applied as per farmers' practice at a rate of 84 kg N/ha (as 250 kg of ammonium nitrate). No phosphorus was applied because soil analysis showed a high soil P content.

Results

Polysulphate application increased carrot yield in all cases: by 24% compared with the control (no K application); by 12.5% compared to MOP; and by 3% compared to SOP.



** From research funded by the International Potash Institute www.ipipotash.org.*

Mined in the UK, ICL is the first – and only – producer in the world to mine polyhalite, marketed as Polysulphate.

Polysulphate

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