Polysulphate

Trial

- 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)

Strawberry (*Fragaria X ananassa Duch.*) on an Andisol

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

ICL Fertilizers

Polysulphate

When

- Planting: September 2017
- Harvest: April 2018 to March 2019

Where

Sotara, Cauca State, Colombia

Crop

Strawberry (*Fragaria X ananassa Duch.*, cv Sabrina)

Soil type

Andisol, Silt loam with acidic pH (5.6), high OM (26.3%) and medium K, Ca, Mg contents

Measurements

Total yield during two months of the harvest peak

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

For more information consult www.polysulphate.com/contact for your contact in your region.

www.polysulphate.com

Polysulphate

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Fertilizerplus
Premium plant nutrition from ICL Fertilizers

Objective

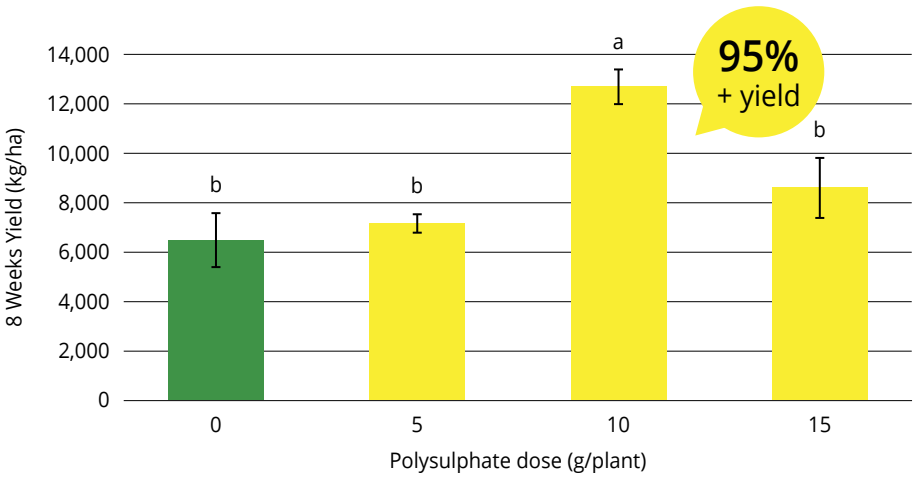
To evaluate the effect on strawberry yield of using Polysulphate as a complementary nutrient source.

Treatments

This trial consisted of twelve 35 m beds, each with 210 plants. Four treatments, or Polysulphate doses, were applied on a one year old plantation: 1) No Polysulphate, 2) 5 g/plant (250 kg/ha), 3) 10 g/plant (500 kg/ha), 4) 15 g/plant (750 kg/ha). All treatments received a total NPK application of 200, 140 and 280 kg/ha, from urea, Enraifos, potassium sulphate, kieserite and included Polysulphate as a complementary K, Ca and Mg source. All treatments were also fertigated every week using a farmer's combination of all nutrients.

Results

- Polysulphate had a positive effect on strawberry yield.
- Polysulphate increased yield up to 95% compared with the control without Polysulphate.
- Supply of K, Ca, Mg and S from Polysulphate improved the fruit setting, appearance and shelf life.
- A recommended Polysulphate dose of 10 g/plant twice or three times a year increases strawberry productivity and improves fruit quality.



Bars indicate standard errors. Different letters indicate significant differences among treatments by Tukey test (P=0.05)