

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)

Watermelon (*Citrullus lanatus*) on a sandy loam soil

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



When

- Planting date: January 2017
- Harvest: April 2017



Where

Kahang, Johor, Malaysia



Crop

Watermelon (*Citrullus lanatus*)



Soil type

Sandy loam



Measurements

- Yield

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 is a registered trademark of ICL.

Polysulphate 

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Fertilizerplus 
Premium plant nutrition from ICL Fertilizers

Objective

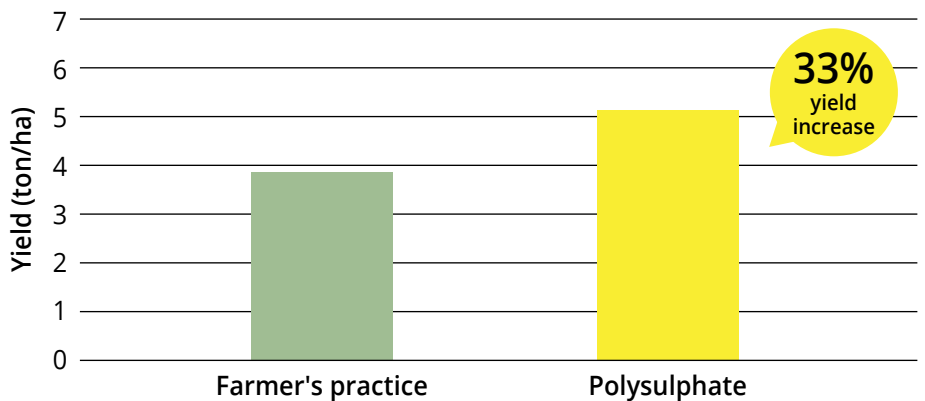
To demonstrate the effectiveness of Granular Polysulphate to improve the growth and yield of watermelon grown on a sandy loam soil in Malaysia.

Treatments

This demonstration consisted of two treatments. One was farmers' practice of 400 kg/ha of NPK compound fertilizer (12-12-17 +2MgO) and 200 kg/ha of 16-16-16 +2MgO. The other treatment was farmers' practice + 100 kg/ha of Granular Polysulphate. In both treatments fertilizers were applied as top dressing on the planting bed before transplanting.

Results

- During early growth, minimum mortality and root fungus infection was observed in the Polysulphate treatment. Young shoots appeared stronger and greener.
- Vegetative growth in the Polysulphate treatment showed bigger shoots and leaves, covering all the soil.
- Yield increased by 33% in the Polysulphate plot compared to the farmer's usual fertilizer treatment plot. Bigger fruits were also observed with Polysulphate application.



Farmer's practice



With Polysulphate