



Polysulphate  
Trial

**Combining peas**  
(*Pisum sativum* L.)  
in a sandy clay 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.

**S** 48% SO<sub>3</sub>  
(19.2% S)

**K** 14% K<sub>2</sub>O  
(11.6% K)

**Mg** 6% MgO  
(3.6% Mg)

**Ca** 17% CaO  
(12.2% Ca)



### When

- Sowing:  
April 7, 2017
- Harvest:  
July 31, 2017



### Where

PGRO Research  
Centre, England



### Crop

Combining peas  
(Variety *Crackerjack*)



### Soil type

Sandy clay loam



### Measurements

Yield



## Objective

To investigate the effect of different rates of Polysulphate on combining peas on a sandy clay loam soil.

## Treatments

This was a randomized trial of four replicates that had three different application rates for Polysulphate: 100, 150 and 200 kg/ha. Plot size was 1.5m x 10m.

## Results

Of the three Polysulphate application rates tested, the best result was achieved when Polysulphate was applied at 100 kg/ha. This resulted in a yield increase of approximately 8% (0.35 tonnes per hectare). Based on a market price of £180/tonne this represents an additional return of £62.28 per hectare.

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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