

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)

Sugarcane (*Saccharum officinarum*) on sandy, silt 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: Second ratoon
- Harvest: October, 2018



Where

USDA ARS Sugarcane Research Unit
White Castle, Louisiana, USA



Crop

Sugarcane (*Saccharum officinarum*)



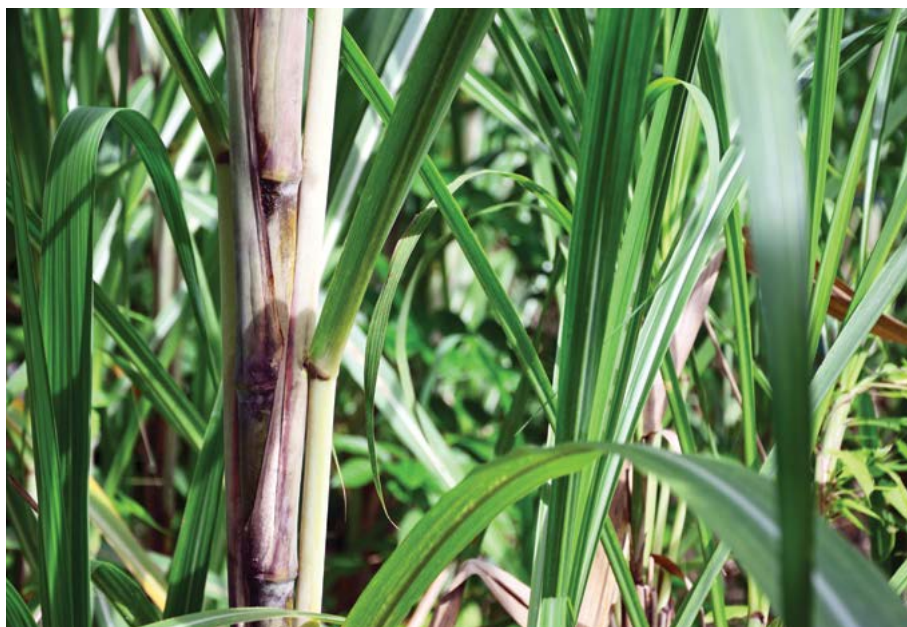
Soil type

Sandy, silt-loam soil



Measurements

Sugar yield



Objective

To evaluate Polysulphate as a K fertilizer source for sugarcane grown in sandy, silt-loam soils in southern Louisiana, USA.

Treatments

Grower standard practice consisted of 135 kg N/ha in the form of urea, 45 kg P₂O₅/ha in the form of DAP and 135 kg K₂O/ha in the form of KCl. There were two Polysulphate treatments which were duplicates of the grower standard practice, but with the K portion being made up of 50:50 Polysulphate & KCl, or 100% Polysulphate.

Results

- Supplying 50% of the K dose as Polysulphate increased the sugarcane yield by 504 kg/ha (4.5%) over conventional grower standard practice.

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.php
for your contact in your region.

www.polysulphate.com

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Polysulphate

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