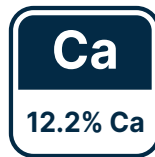




Natural fertilizer well suited  
for Fall applications

# Polysulphate



Polysulphate is polyhalite – natural mineral containing the sulfate form of potassium, sulfur, calcium and magnesium.

Polysulphate, a naturally balanced form of plant nutrition containing four essential nutrients, can enhance Fall fertilizer applications by increasing soil nutrient levels and securing yield potential the following season.

Every granule of Polysulphate delivers essential potassium, sulfur, calcium and magnesium uniformly across every acre.

Polysulphate releases its nutrients more gradually than other forms of sulfur. Sulfate is an anion and, like nitrate, can leach deep into the soil profile where roots cannot reach. Polysulphate has prolonged release of sulfate from its crystal, thus is less prone to leaching, ensuring availability in early spring when crops need it most.





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



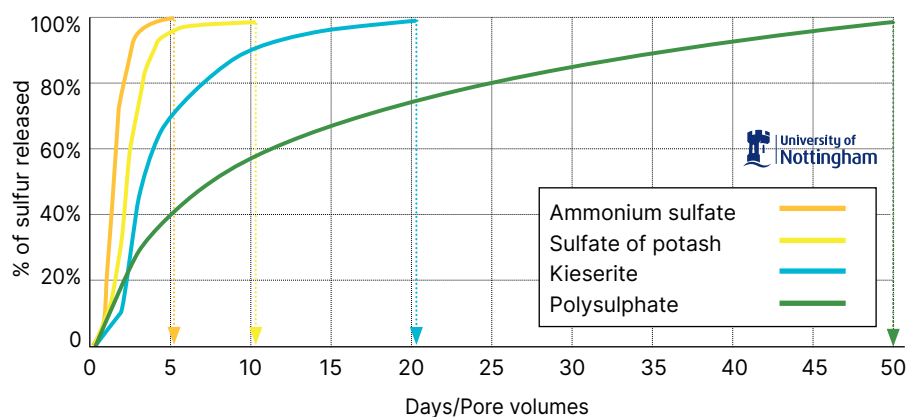
[www.icl-growingsolutions.com](http://www.icl-growingsolutions.com)

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## Release of various sulfur fertilizers

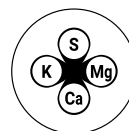
Polysulphate has a prolonged sulfur release pattern, which reduces losses by leaching



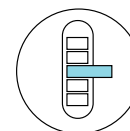
## Benefits of Fall applied Polysulphate



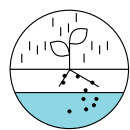
Low chloride, potassium in sulfate form



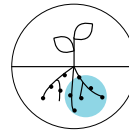
Can be applied alone or in blends with KCl and DAP/MAP



Neutral pH, does not affect the pH of the soil



Prolonged availability of sulfur which reduces losses by leaching. Sulfur in sulfate form, does not need to oxidize for plant-availability

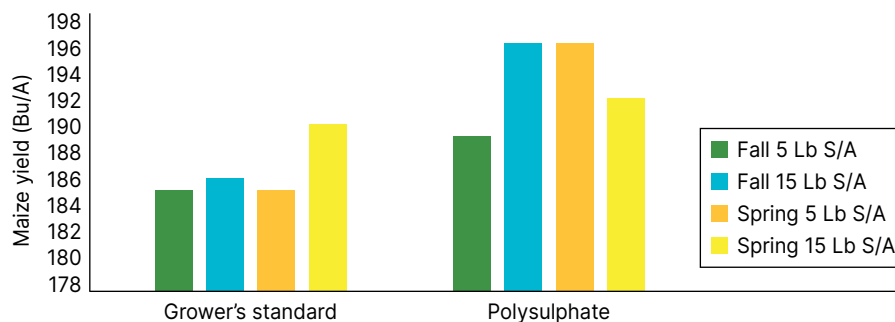


Calcium (in sulfate form) improves water infiltration and soil structure



Uniform and superior spreading distance helps cover more acres in less time

## Timing of sulfur applications from Polysulphate (Waseca, MN)



A University of Minnesota trial conducted by Dr. Daniel Kaiser examining various sulfur sources for Fall and spring application found that Fall-applied Polysulphate can enhance the uptake of sulfur and ultimately crop yield in light textured soils. In the trial, Fall applied Polysulphate generated comparable yields to that of spring applied Polysulphate and increased sulfur levels in both tissue and grain.

*Dr. Kaiser, University of Minnesota (2019)*