Polysulphate®
for wheat and barley

Sulphur is essential for the formation of protein and oils
Potassium secures yield and quality
Magnesium is vital for photosynthesis
Calcium is critical for cell division and root growth

Cereals / Grains recommendations
100-150 kg/ha

SO₃ 48%
K₂O 14%
MgO 6%
CaO 17%

Low Carbon Footprint
0.03 kg CO₂ eq. per kg of product

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Using Polysulphate for cereal crops

Over 90% of UK soils are now deficient for sulphur due to the reduction of deposition of atmospheric pollution. To maximize nitrogen use efficiency you need adequate levels of potassium and sulphur.

ICL has done extensive research on the establishment of grain crops. In our trials, we have found that with an application of sulphur at planting we can improve the uptake of nitrogen and with added magnesium and calcium we have seen an increase in root development.

In UK trials we have seen an improvement of 10% in nitrogen uptake in the autumn when Polysulphate is used at drilling, this has also improved yield at harvest as the graph below shows:

Proven Polysulphate benefits
- Improved yield
- Reduced asparagine content
- Improved nitrogen use efficiency (NUE)
- Lower farm carbon footprint

Polysulphate recommendations

**Winter cereals:** Polysulphate applied at 100 kg/ha at drilling followed by 100 kg/ha in January/February either straight or incorporated into a blend (remember to consider the extra potassium from Polysulphate in your fertiliser calculations).

**Spring cereals:** Polysulphate can be blended into your fertiliser products or used as a straight at 100-150kg/ha.