



Balanced nutrition with



ICLPKplus

Polysulphate **inside**

**ICL** Fertilizers



## The importance of balanced nutrition

ICL PKplus provides a balanced supply of five nutrients throughout the growth cycle of the crop.

Crop yields and quality are often limited by a lack of available nutrients. ICL PKplus ensures a sufficient supply of nutrients are in the soil. This also helps ensure nitrogen is taken up more efficiently.

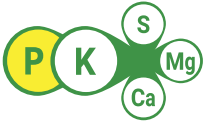
In addition to phosphate and potash, all PKplus fertilisers contain the essential nutrients, sulphur, magnesium and calcium that reduce the risk of soil deficiency and help ensure higher crop yields and better quality crops.

## ICL PKplus fertiliser advantages

- ICL PKplus a premium granulated fertiliser with Polysulphate inside
- Five nutrients in one: phosphorus, potassium, magnesium, sulphur and calcium in one single application
- ICL PKplus spreads accurately and evenly with a low COV up to 36 metres.
- Tailor made formulas for specific crops or soil types
- A considerable proportion of the potassium and magnesium content is in sulphate form (20%), allowing flexible use in many crops, and thus also reducing the chloride content
- Extended nutrient availability, reduced risk of sulphate losses through leaching

# ICL PKplus product range

Find your formula to meet specific crop requirements and match your soil fertility level.



## High P

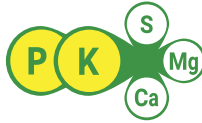
**For best plant establishment**

ICL PKplus 30-5  
(+2 MgO + 18 SO<sub>3</sub> + 21 CaO)



Apply to soils with low P status (or high K).

*Trials show that applying some K, S, Ca & Mg together with phosphate at planting results in better crop establishment.*



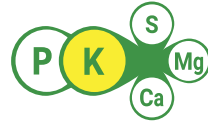
## Balanced P and K

**For balanced and efficient supply**

ICL PKplus 18-18  
(+2 MgO + 18 SO<sub>3</sub> + 18 CaO)  
ICL PKplus 20-20  
(+2 MgO + 14 SO<sub>3</sub> + 15 CaO)



Apply to soils or crops which require P & K in equal or similar amounts.



## High K

**For extra crop quality**

ICL PKplus 10-30  
(+2 MgO + 12 SO<sub>3</sub> + 10 CaO)  
ICL PKplus 16-24  
(+2 MgO + 16 SO<sub>3</sub> + 13 CaO)



Apply to soils with low K status, or high P.

*Ideal for high demanding potash crops.*

**+** *Tailor-made ICL PKplus fertilisers with additional micronutrients at request*

## Introducing ICL PKpluS fertilisers

ICL PKpluS is a range of premium high quality granulated fertilisers produced by ICL. The products are specially formulated with Polysulphate, a multi nutrient fertiliser produced by ICL.

Our ICL PKpluS fertilisers are tailor made formulations that provide five essential macronutrients in each formula. As well as phosphorus (P) and potassium (K) all of our products contain sulphur (S), magnesium (Mg) and calcium (Ca) in one single granule.

ICL PKpluS fertilisers are ideally suited for direct application on all crops and soils for superior yield, improved quality and increased profitability.

## Why chose ICL PKpluS fertiliser

P, K, Mg and Ca are essential in activating germination and stimulating root development. During these very first stages, there is little need for N, however P, K, Mg and Ca are needed for early growth and optimum crop development.

Start your fertilisation program with ICL PKpluS fertiliser before planting to provide ideal fertilisation to maintain or replenish soil P and K reserves.

PKpluS fertilisers are a versatile range and can be used before planting, or combined at drilling or later in the cycle to meet the needs of the crop. It is also ideally suited for placement.

## ICL PKpluS gives you flexibility with nitrogen applications

By separating ICL PKpluS from N application, N can be applied after germination at the right time for your crop, in the right form, and in right weather conditions avoiding N overdosing or leaching. With ICL PKpluS fertilisers you can achieve higher N use efficiency without waste and unnecessary cost to your business or the environment.

# Our nutrients play an essential role in your success



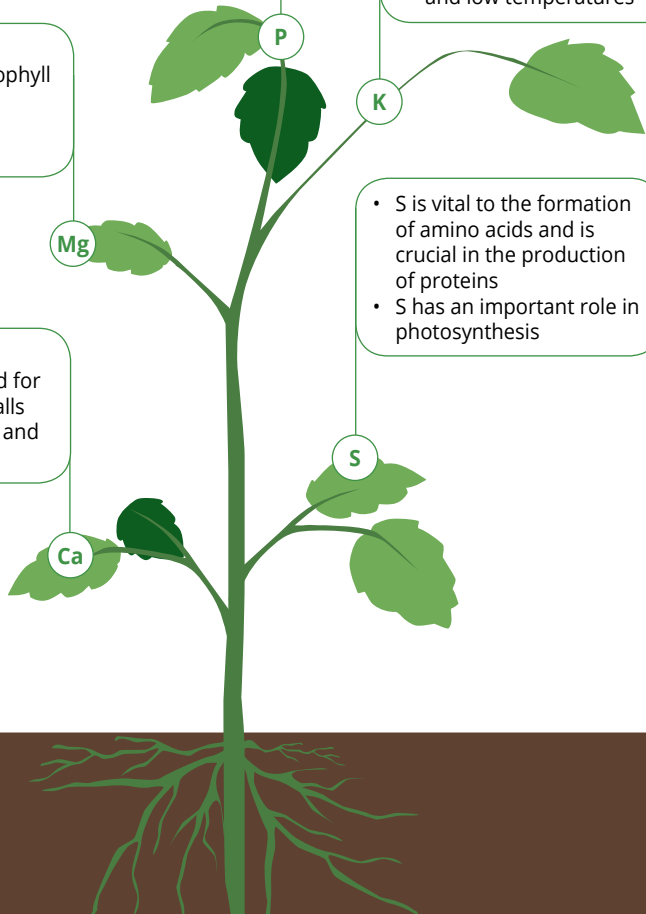
- P is a vital component of ATP and DNA
- P has an essential role in photosynthesis
- P stimulates root development

- K is known as the “quality” nutrient
- K is essential in sugar and starch formation
- K increases plant vigour, and resistance to diseases and low temperatures

- Mg is the central component of chlorophyll
- Mg is involved in the activation of several enzyme systems

- S is vital to the formation of amino acids and is crucial in the production of proteins
- S has an important role in photosynthesis

- Ca is responsible for plant cell division and for strengthening cell walls
- Ca improves disease and frost resistance




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

Polysulphate 

 [cp.sales@icl-group.com](mailto:cp.sales@icl-group.com)

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 **ICL** Fertilizers

**ICL UK Sales Limited**

Cleveland Potash

Boulby Mine, Loftus,

Saltburn, Cleveland

TS13 4UZ

United Kingdom

**[www.iclfertilizers.com](http://www.iclfertilizers.com)**

**Fertilizerplus**  
Premium plant nutrition from ICL Fertilizers