



# ICL PKplus fertilizers

The best way to ensure balanced fertilization

**ICL** Fertilizers  
Where needs take us

ICL PKplus  <sup>TM</sup>  
Polysulphate **inside**

# Know the advantages of ICL PKpluS fertilizers

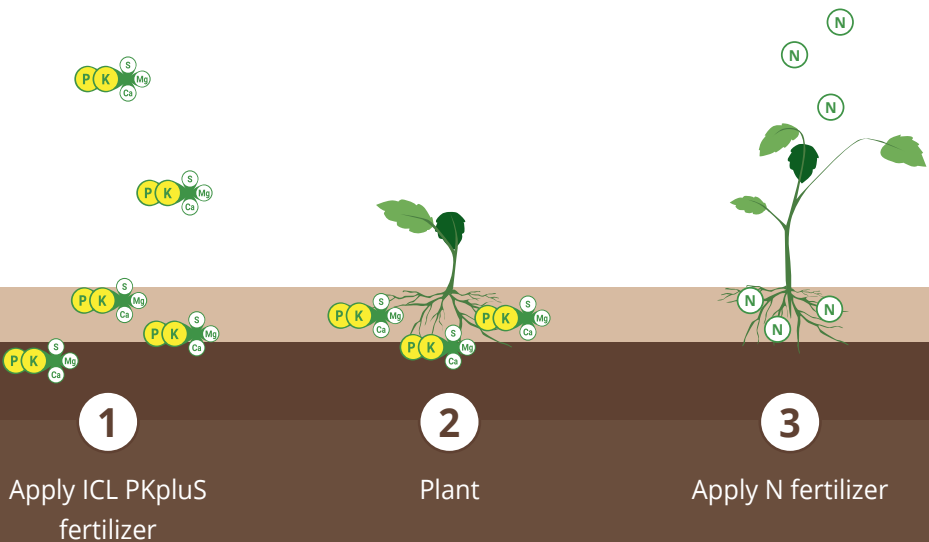
Our ICL PKpluS fertilizers are balanced formulations of phosphorus (P) and potassium (K) nutrients without nitrogen (N) but with a wide range of secondary elements such as sulphur (S), magnesium (Mg) and calcium (Ca) in one granule.

Use ICL PKpluS fertilizers in direct applications in your fields, orchards or plantations for superior yields, improved quality and increased profitability.

## Apply your ICL PKpluS fertilizer before planting

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

Start your fertilization program with ICL PKpluS fertilizer before planting to provide basic fertilization to maintain or replenish soil P and K reserves.



## Follow ICL PKplus fertilizer with N application if needed

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 fertilizers you can achieve higher N use efficiency without waste and unnecessary cost to your business or the environment.

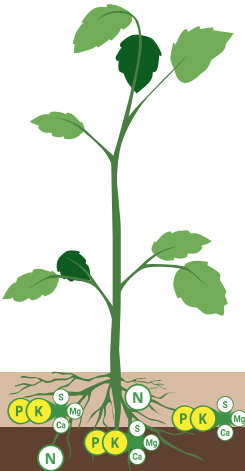
## Apply ICL PKplus fertilizer for a balanced nutrient supply

ICL PKplus fertilizer applied before planting provides basic balanced nutrient supply throughout the crop growth cycle.

In addition, ICL PKplus fertilizer delivers comprehensive nutrition for nitrogen-fixing legumes, where no nitrogen fertilization is needed.

ICL PKplus fertilizer builds a stable and balanced level of nutrients in the soil. It is the ideal solution when straw or crop residues are removed or where N use is restricted by nitrate-vulnerable zone rulings.

In all ICL PKplus fertilizers the secondary nutrients (S, Ca, and Mg) reduce the risk of soil deficiencies in these key nutrients and help to ensure higher crop yield and quality.



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Higher crop yield  
and quality



## ICL PKplus fertilizers

- ICL PKplus premium granulated fertilizers with Polysulphate technology
- Five nutrients in one: phosphorus, potassium, magnesium, sulphur and calcium in one single application
- Less chloride content
- A considerable proportion of the potassium and magnesium content is in sulphate form (20%), allowing flexible use in many crops
- Extended nutrient availability, reduced risk of sulphate losses through leaching



Excellent source of P and K for all crops and soils



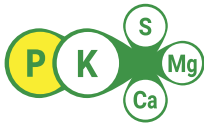
Provide additional valuable secondary nutrients (S and Ca)



Tailor-made formulae with additional Mg, S and micronutrients

# ICL PKplus product range

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



## High P

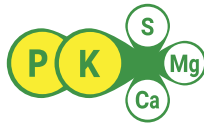
***For best plant establishment***

- ICL PKplus 18-7  
(+3 MgO + 11 S + 21 CaO)
- ICL PKplus 18-13  
(+3 MgO + 8 S + 19 CaO)
- ICL PKplus 20-5  
(+2 MgO + 11 S + 24 CaO)
- ICL PKplus 29-5  
(+2 MgO + 7 S + 21 CaO)



Apply in soils with low P status

**⊕** *Tailor-made ICL PKplus fertilizers with additional micronutrients at request*



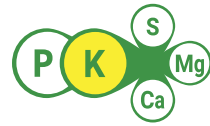
## Balanced P and K

***For balanced and efficient supply***

- ICL PKplus 16-16  
(+2 MgO + 8 S + 18 CaO)
- ICL PKplus 18-18  
(+6 MgO + 6 S + 15 CaO)
- ICL PKplus 20-20  
(+2 MgO + 6 S + 15 CaO)



Apply in soils with low P and K status



## High K

***For extra crop quality***

- ICL PKplus 6-30  
(+5 MgO + 7 S + 11 CaO)
- ICL PKplus 8-15  
(+6 MgO + 10 S + 19 CaO)
- ICL PKplus 10-15  
(+5 MgO + 10 S + 19 CaO)
- ICL PKplus 10+20  
(+5 MgO + 8 S + 16 CaO)
- ICL PKplus 10-25  
(+4 MgO + 7 S + 13 CaO)
- ICL PKplus 10-30  
(+6 MgO + 5 S + 10 CaO)
- ICL PKplus 12-24  
(+2 MgO + 7 S + 14 CaO)
- ICL PKplus 15-30  
(+2 MgO + 4 S + 11 CaO)



Apply in soils with low K status



Fully soluble with all nutrients available for plant uptake in one granule



Give full flexibility with the N source and dose



Prevent N overdosing and unnecessary leaching of N



## Recommended application rates

Crop	Application rate (kg/ha)
Rape seed	200-300
Winter wheat	250-400
Peas / beans	150-250
Maize	300-400
Rice	200-300
Soybean	150-250
Sugarcane	400-500
Cotton	250-350
Sugarbeet	350-450
Vegetables	300-400

*The suggested doses above should be adapted to soil fertility and target yields*



Deliver superior yields, improved quality and increased profitability



Easy, uniform distribution in the field with all modern mechanical spreaders



Good hardness guarantees maintenance of quality during handling, bulk blending and field application

# Our nutrients play an essential role in your success

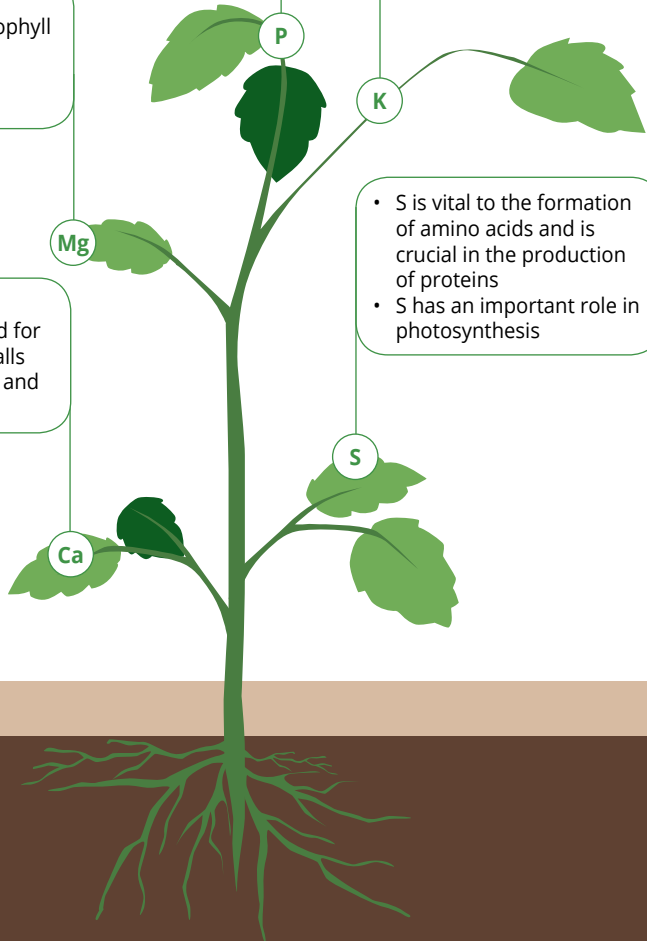
- P is a vital component of ATP and DNA
- P has an essential role in photosynthesis
- P stimulates root development

- 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





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