



# PK fertilizers

The best way to ensure balanced fertilization

# Know the advantages of PK fertilizers

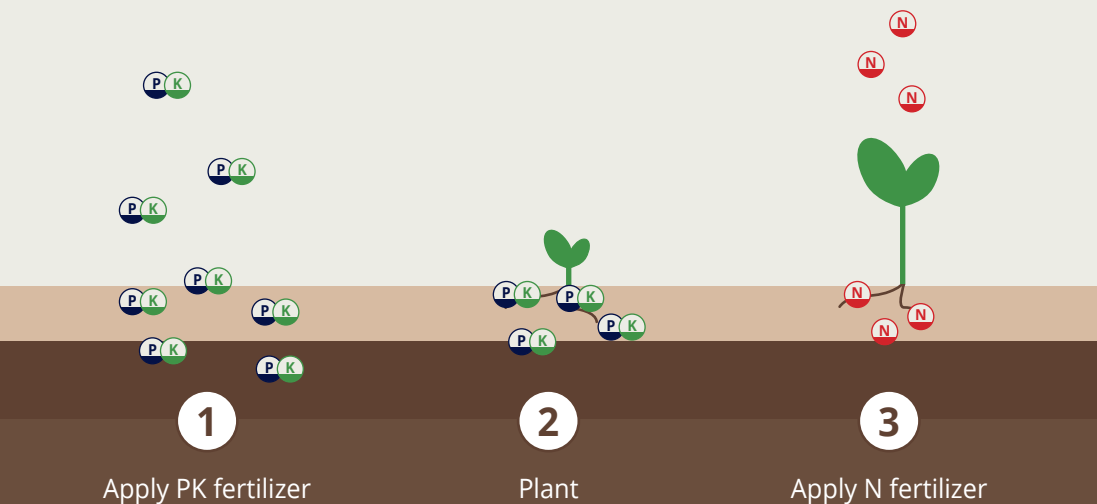
Our PK fertilizers are balanced formulations of phosphorus (P) and potassium (K) nutrients without nitrogen (N) but with a wide range of secondary elements such as sulphur (S), magnesium (Mg) and calcium (Ca) in one granule.

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

## Apply PK fertilizers 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 PK fertilizer before planting to provide basic fertilization to maintain or replenish soil P and K reserves.



## Follow PK fertilizers with N application if needed

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

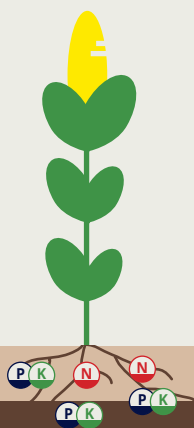
## Apply PK fertilizers for a balanced nutrient supply

PK fertilizers applied before planting provide basic balanced nutrient supply throughout the crop growth cycle.

In addition, PK fertilizers deliver comprehensive nutrition for nitrogen-fixing legumes, where no nitrogen fertilization is needed.

PK fertilizers build 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 PK 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.



## Recommended application rates

Crop	Application rate (kg/ha)
Rape seed	200-300
Winter wheat	250-400
Peas / beans	150-250

*The suggested doses are given for information only and should be adapted to soil fertility and target yields*

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Higher crop yield  
and quality

## PK product range

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

### ICL PK Fertilizers



#### High P

*For best plant establishment*

PK 28-20 (+2.1 S + 16.9 CaO)  
PK 30-15 (+3.0 S + 19.6 CaO)  
PK 31-13 (+3.5 S + 21.4 CaO)



Apply in soils with low P status



#### Balanced P and K

*For balanced and efficient supply*

PK 20-25 (+3.8 S + 16.7 CaO)  
PK 20-30 (+2.0 S + 13.1 CaO)  
PK 25-20 (+3.5 S + 18.5 CaO)  
PK 25-25 (+1.6 S + 14.5 CaO)



Apply in soils with low P and K status



#### High K

*For extra crop quality*

PK 7-40 (+3.9 S + 10.8 CaO)  
PK 8-35 (+4.4 S + 12.0 CaO)



Apply in soils with low K status

 *Tailor made ICL PK fertilizers with additional micronutrients at request*



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's premium PK fertilizers



### 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



## ICL PKplus fertilizers

- PK 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



Deliver superior yields, improved quality and increased profitability

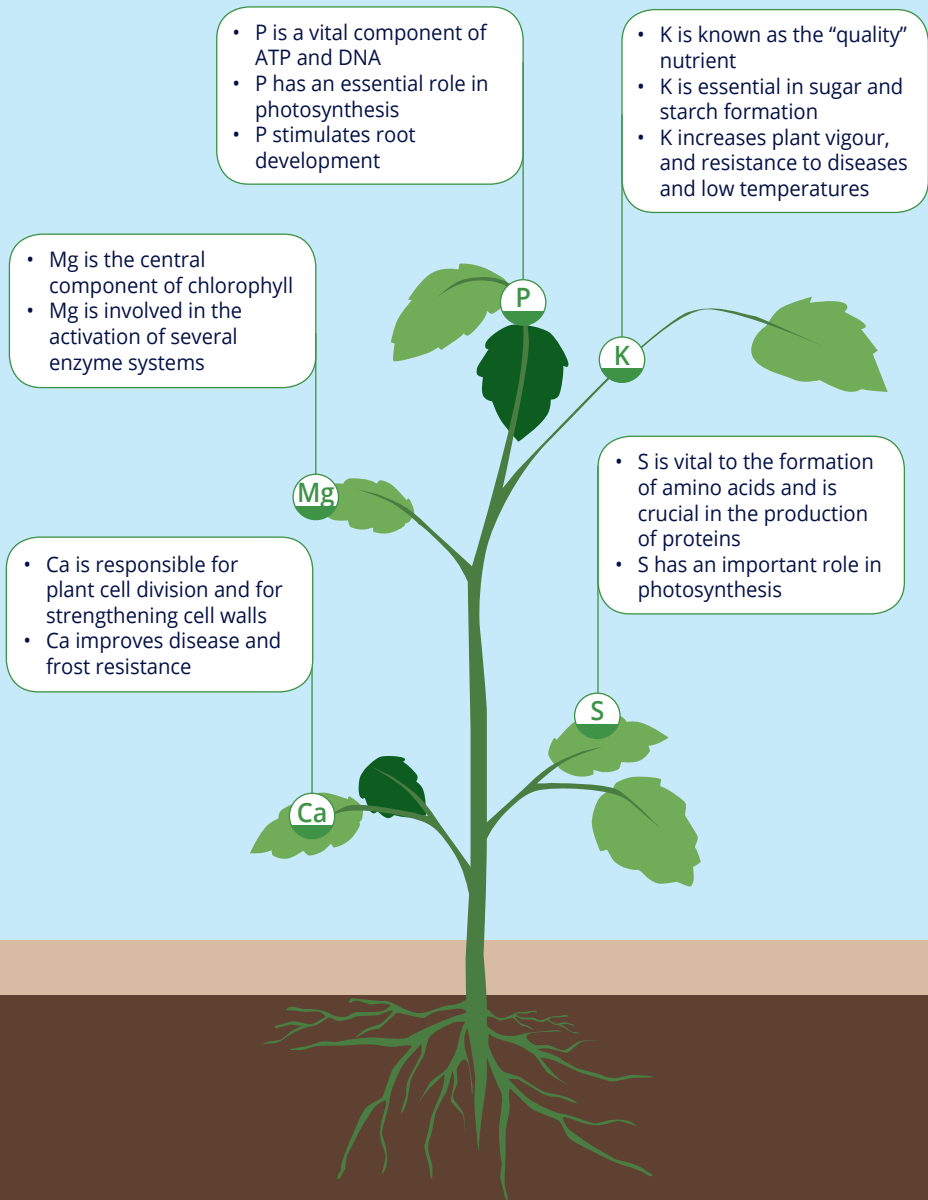


Easy, uniform distribution in the field with all modern mechanical spreaders



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

# Our nutrients play an essential role in your success





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