

# Fertilization of pomegranates

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# Why do we fertilize our orchards?

- To **put back** what the plant take out.
- To rectify **shortages** of certain nutrients.
- Necessary for **balanced** growth and production.
- To **maintain sustainable** growth and production.



Your fruit is our business



# Principles of fertilization.

- Most problems cannot be solved by fertilization.
- Pomegranates have a deep rooting structure.
- Nutrients taken up over a long period. 8 months.
- Not maximum growth. There must be a balance between growth and production.
- Quick reaction towards fertilizers seldom visible. Nitrogen might be the exception, or severe cases of deficiency.
- Balance between over- and under supply. Effects on yield and keeping quality.



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## Most permanent crops use:

Element	Uptake
Nitrogen (N)	97 kg/ha
Phosphor (P)	18 kg/ha
Potassium (K)	76 kg/ha
Calcium (Ca)	50 kg/ha
Magnesium (Mg)	15 kg/ha
Manganese (Mn)	150 g/ha
Zink (Zn)	250 g/ha
Boron (B)	200 g/ha
Copper (Cu)	50 g/ha
Iron (Fe)	635 g/ha

# QUANTITY AND DISTRIBUTION

PHASE	N	P	K
Bud – bloom	50%	45%	20%
Bloom	10%	5%	10%
After set	30%	40%	60%
Ripening	10%	10%	10%
TOTAL kg/ha	100	30	80
Post-harvest	Leaf analyses and history	Leaf analyses and history	Leaf analyses and history



**THANK YOU**



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