

The SQM logo is a green circle with the letters 'SQM' in white.

Balanced nutrition

Granular fertilizer based on potassium nitrate



Qrop[®] complex
TOP K

Qrop[®] complex Top K (12-6-24) is a granular fertilizer containing a balanced mix of essential macro- and micro nutrients for improved crop yield: nitrogen (N), phosphorus (P), potassium (K), calcium (Ca), magnesium (Mg), sulphur (S), boron (B), manganese (Mn) and zinc (Zn).

Qrop[®] complex Top K is highly concentrated in potassium ($K_2O = 24\%$). The source of this high potassium content is potassium nitrate, the preferred K-source for crop growth and development.

Qrop[®] complex Top K has a higher $K_2O:N$ ratio than most of the comparable granular fertilizer products in the market. This strongly favors increased yields of quality produce.

Qrop[®] complex Top K can be applied as base dressing and as side or top dressing being ideal for stages as flowering, fruit and grain development and maturation. Its formula is low in chloride, which makes it very suitable for crops known to be sensitive to chloride in particular, and crops growing in saline conditions in general.

Qrop[®] complex Top K is a chemical compound with excellent handling characteristics preventing unequal spreading caused by segregation in storage and application.

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sqmnutrition.com



A well-balanced nutrition for all crops at any growth stage

Qrop® complex Top K rapidly releases nitrogen (N), phosphorus (P) and potassium (K), providing a well-balanced supply of the essential macro-nutrients.

The supply of nitrogen (N) from Qrop® complex Top K is balanced with quick acting nitrate (75%) and slow acting ammonium (25%) as an N-source. Qrop® complex Top K does not contain urea.

Qrop® complex Top K contains phosphorus (P), an essential nutrient for all growth and development processes like photosynthesis and energy transfer. Phosphorus is especially important during root development and flowering stages.

Qrop® complex Top K is rich in potassium (K), the quality nutrient for plant and produce. The source of potassium is potassium nitrate, the preferred K-source.

The high content of nitrate (NO_3^-) facilitates the uptake of not only K^+ , but also Ca^{++} and Mg^{++} . The content of magnesium (Mg) in Qrop® complex Top K facilitates the synthesis of chlorophyll, while the content of calcium (Ca) improves the cell strength and thus quality of the harvested produce.

Sulphur (S) completes the range of secondary nutrients in Qrop® complex Top K, while the overall sulphate content remains low, preventing sulphate accumulation and salinity stress.

Qrop® complex Top K also contains 0,01% of boron (B), 0,04% of manganese (Mn) and 0,05% of zinc (Zn), enhancing quality and yield of a wide range of crops.

Recommendations

Qrop® complex Top K is suitable for all soil-grown crops.

Crop	Recommendation
Open field vegetables & onion and carrot	400 - 1000 kg/ha/application as top or side dressing*
Greenhouse vegetables	600 - 1200 kg/ha/application. Advised both as base dressing incorporated in the the soil prior to planting, and top or side dressing after growth has commenced*
Potato	500 - 1200 kg/ha/application as base, top and side dressing*
Bearing fruit trees	300 - 400 kg/ha/application as side dressing when fruit growth is occurring*
Small fruit (strawberry)	250 - 500 kg/ha/application as side dressing during growth and fruit development stages*

**For orientational purposes only, for specific advise consult your local agronomist*

Nutrient content	Typical values (%)
Total nitrogen (N)	12,0
Nitric nitrogen (N-NO_3)	9,0
Ammonium nitrogen (N-NH_4)	3,0
Total phosphorus pentoxide (P_2O_5)	6,2
Phosphorus pentoxide (P_2O_5) soluble in water	5,3
Phosphorus pentoxide (P_2O_5) soluble in neutral ammonium citrate	6,0
Potassium oxide (K_2O) soluble in water	24,0
Total sulphur trioxide (SO_3)	10,0
Calcium oxide (CaO) soluble in water	3,0
Total magnesium oxide (MgO) soluble in water	2,0
Boron (B)	0,01
Manganese (Mn)	0,04
Zinc (Zn)	0,05



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