

# POTASSIUM NITRATE LOW PH



13 – 0 – 46

## **What is low pH Potassium Nitrate fertilizer?**

This fertilizer lowers the pH value of water in watering system when it is dissolved in it and it is highly soluble; therefore it is a preferred type of potassium nitrate. 13% nitrogen it contains can easily be absorbed by plants and is in the form of nitrate that is the preferred origin of nitrogen ( $\text{NO}_3$ ) for use in agriculture. The fertilizer also contains 46%  $\text{K}_2\text{O}$ , which is soluble and easily absorbed by plants. When the nitrate is dissolved in water,  $(\text{NO}_3)^-$  forms as an anion (- ion); thereby stimulates absorption of nutritious cations (+ ions) such as  $\text{K}^+$ ,  $\text{Ca}^{+2}$ ,  $\text{Mg}^{+2}$ ,  $\text{Fe}^{+2}$ ,  $\text{Mn}^{+2}$  and  $\text{Zn}^{+2}$  and enables high productivity and quality in agricultural processes. As the fertilizer contains no such hazardous elements such as chlorine, sodium and heavy metals, it is safely used for any kind of plantations.

## **Application method**

As it does not increase pH value of water it is dissolved in and indirectly soil that it is given, it is the preferred type of fertilizer to be used via sprinkler system or leaves or agricultural processes without soil.

## **Where is it used?**

Potassium nitrate with low pH value fertilizer is one with two major nutrients (potassium and nitrogen) that can be applied to any kind of plantations via any kind of watering system via leaves or soil. It protects plants against cold weather and drought as well as increasing their resistance to diseases and pests and also is the most efficient fertilizer for productivity and quality. The fertilizer stimulates formation of color and aroma in fruits and increases the number of fruits in trees. This fertilizer increases the incomes of producers by increasing productivity and quality of vegetables produced. It increases lifetime of products when they are stored and gin output in cotton and sugar content in sugar beets and quality in tobacco plantations. In potato production it enables producing homogenous potatoes besides increasing productivity and reduces storage losses and quality of French fries made with such potatoes. In plants, of which oils are produced, it increases the oil content of such plants.