

POTASSIUM NITRATE IN SMALL GRANULAR FORM

What is potassium nitrate?

Potassium Nitrate (13-0-46) is a type of productivity and quality increasing fertilizer that contains two major nutrients of plants. It contains nitrogen (13%) and potassium (46%). All the nitrogen it contains originates from nitrates (NO₃) and can be easily absorbed by plants. As nitrate is an anion (-), it stimulates absorption of nutritious cations (+) such as potassium, calcium and magnesium. It is the best fertilizer to be used for mixtures and preparation of liquid fertilizers.

Where is it used?

As potassium nitrate fertilizer does not contain any sodium or chlorine, it can be used for all kinds of plantations. In vegetables it can be used via any kind of watering system. It ensures abundant, homogenous and high quality products. In citrus fruits it increases abundance and quality of fruits and prevents fall of fruits. In potatoes it ensures bigger and high quality products. It reduces losses of storage. It increases dry material amounts. In stiff seeded fruits it increases flowering ratio, quantity and quality of fruits. It prevents dormant behavior. It provides a more intense aroma, color and sugar ratio in watermelon and melon. It ensures shell luster, resistance against diseases and early ripening. In cotton it increases number of cocoons, weight and fiber quality. It can be safely given to all flowers. It directly affects factors such as color and regularity. It increases productivity and quality in vineyards. It increases the amount of sugar and increases resistance against diseases. It provides high productivity and quality in tobacco.

Application methods

Potassium Nitrate may be given via soil, leaves or watering systems (sprinkler or rain-like systems). There are three types: small granular type, crystal type and low pH value potassium nitrate.

Small granular type is suitable for direct soil applications. Its use is easy via hand or machinery. It may be mixed with other granular type fertilizers. It is used before planting or during anchoring and watering.

Crystal type is suitable for applications via sprinkler systems or leaves. It has low pH values. As it is easily dissolved in water, it can be used via any kind of watering system and causes no blockages. 200 grams of potassium nitrate may be dissolved in 1 liter of water. When it is to be used via leaves to get faster results, it may be used together with pesticides. It may be mixed with pesticides. It is safely used with rain-like systems.