

Agricultural grade potassium nitrate KNO_3



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Molecular formula: KNO_3

Molecular weight: 101.1

CAS NO.: 7757-79-1

HS CODE: 28342190

Executive standard: national standard GB / T 20784-2006

Efficacy features: Agricultural grade potassium nitrate fertilizer is 100% plant nutrients, all soluble in water, without residual harmful substances. The nitrate nitrogen and potassium contained in it are a large number of elements necessary for crop growth. They have a good coordination effect, which can promote each other to be absorbed by crops and promote the absorption of other nutrient elements; The ratio of nitrogen to potassium is 1:3 (generally crops absorb nitrogen and potassium in this ratio), which can be absorbed and utilized by crops in a balanced and rapid manner at the peak of crop fertilizer demand. Agricultural potassium nitrate fertilizer has no chlorine, no sodium and low salt index; It has good water solubility but no moisture absorption, high nutrient content and rapid fertilizer effect. The use of agricultural potassium nitrate can increase yield, improve quality, mature early, enhance disease resistance and prolong the fresh-keeping period. Widely used in various food crops and cash crops; As base fertilizer or topdressing Foliar spraying. The application of this product can not only improve the yield of planted crops, but also improve the quality of crops to a great extent, achieve the perfect

combination of reputation and benefits, and make users get immediate benefits.

Inspection Items	Unit	Agricultural superior grade	Agricultural first grade	Agricultural qualified grade
Purity	%≥	99	-	-
Moisture	%≤	0.3	0.5	0.9
Cl ⁻ Chloride(as Cl)	%≤	0.2	1.2	1.5
Sulphate(as SO ₄ ²⁻)	%≤	0.005	-	-
Insoluble Matter in Water	%≤	0.05	-	-
Fe	%≤	-	-	-
Moisture absorption rate	%≤	-	-	-
K ₂ O	%≥	46	44.5	44
Nitrogen(in nitrate)	%≥	13.5	13.5	13.5
Free ion content	%≤	0.5	1.2	2

Specification: agricultural grade / export grade potassium nitrate (GB / T 20784-2006)

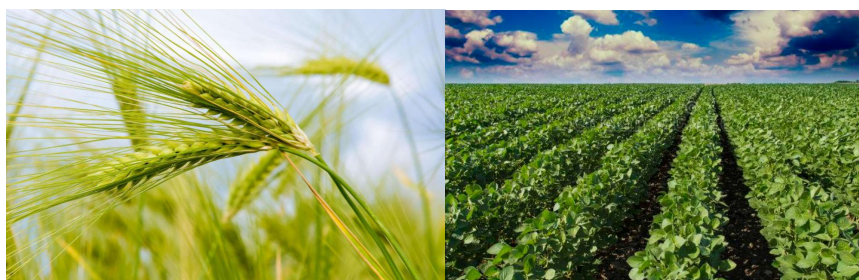
Type: round granulation, crystallization, non caking and caking.

Application

Application: Agricultural grade potassium nitrate, as a high-efficiency nitrogen potassium compound fertilizer, is mainly used for foliar spraying fertilizer of flowers, vegetables, fruit trees and other crops, as well as the basic raw materials of other high-efficiency fertilizers. The application of this product can not only improve the yield of planted crops, but also improve the

quality of crops to a great extent, achieve the perfect combination of reputation and benefits, and make users get immediate benefits.

Note: This product can be mixed with other fertilizers, most pesticides, fungicides and plant growth regulators.



Packing,Storage,Handling and Transportation

Packaging: plastic woven bag or paper plastic composite bag, lined with plastic bag, net weight 25 / 50 / 500 / 1000kg

Protection: production personnel shall wear masks during work to prevent inhalation of potassium nitrate dust and protect respiratory organs; Wear overalls and Latex gloves to protect the skin.

Storage and transportation: store in a cool, ventilated and dry warehouse. Pay attention to moisture and keep away from heat and kindling. Not related to organic matter, sulfur, etc Combustibles, reducing agents and acids are stored and transported together to prevent explosion. Rain and sun exposure shall be prevented during transportation. Be small when loading and unloading. Mind gently to prevent impact.



