Fertilizers

Granular potassium chloride (MOP)

Water-soluble potassium source

Granular



Material illustration

Technical characteristics

Granular muriate of potash (MOP) is potassium chloride fertilizer with a coarse fraction for mechanical spreading. Uniform sizing is especially relevant in blends with other granular fertilizers.

Property	Reference value	Method or source
FAO nutrient reference	**60 % K_2O**	FAOSTAT
Chemical formula	**KCl**	PubChem · KCl
CAS number	**7447-40-7**	PubChem · KCl
Molar mass	**74.55 g/mol**	PubChem · KCl
H_2O	**≤ 0.5 %**	FAO
Na → NaCl	**≤ 3.5 %**	FAO
Particle size	**≥ 90 % / 1–3.35 mm**	FAO

FAO limits are a published procurement example. Particle size is assessed by sieving, and moisture is expressed as a mass fraction.



Applications

For direct application and bulk blending. Blend selection considers component sizing, granule strength and the crop programme's chloride requirement.



Packaging and receipt

Options include palletised bags, bulk bags and loose bulk. Pack size depends on throughput and unloading equipment. Covered dry storage and moisture protection help preserve flow.

For acceptance, check the agreed specification and the certificate of analysis (COA) for the delivered lot.