



GranuPotasse® for bulk blending

For bulk blending, GranuPotasse® offers:

- **a large choice of formulae** - GranuPotasse® is the ideal product for blending with other fertilizers, including Ammonium Nitrate, Urea, DAP and TSP. Combined with one or two other components, it offers a wide range of formulae, providing the grower with a fertilizer tailored to the specific needs of each crop and local soil conditions.

Typical formula for fruits, vegetables and vines

Fertilizers	Quantities kg/t	N %	P ₂ O ₅ %	K ₂ O %	SO ₄ %
DAP (18-46-0)	400	7.2	18.4	0	0
GranuPotasse®	600	0	0	30	31.6
Total	1000	7.2	18.4	30	31.6
Formula		7	18	30	31

Typical formula for vegetables and industrial crops

Fertilizers	Quantities kg/t	N %	P ₂ O ₅ %	K ₂ O %	SO ₄ %
AN (33.5-0-0)	274	9.2	0	0	0
DAP (18-46-0)	326	5.9	15	0	0
GranuPotasse®	400	0	0	20	21.0
Total	1000	15.1	15	20	21.0
Formula		15	15	20	21

- **ease of handling** - consistent granulometry and lack of dust make GranuPotasse® easy to handle and mix with other granular fertilizers.
- **excellent stability** - GranuPotasse® is non-hygroscopic, stores well in bulk and has no harmful side effects, making it a product that can be blended with confidence.



Technical characteristics

GranuPotasse® is available in bagged form, either in 25 kg bags or 1 ton big bags.

Typical GranuPotasse® specifications

Average K ₂ O	50.3%
Average SO ₄	52.6%
Average Cl	2.1%
Sieve Analysis	90% between 1.60mm and 4.50mm
Bulk density	1.40 (<i>Struck</i>) 1.27 (<i>Loose</i>)
Angle of repose	33°

Imported and distributed by :

Tessenderlo Group Fertilizers
giving nature a helping hand

Tessenderlo Group
Troonstraat, Rue du Trône 130
B-1050 Brussels, Belgium
Tel: +32 2 639 18 11
Fax: + 32 2 639 19 99

www.tessenderlogroup.com
e-mail: fertilizers@tessenderlo.com



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**THE GRANULAR SOP FERTILIZER FOR
DIRECT APPLICATION OR BULK BLENDING**





All the benefits of Tessengerlo's SOP

GranuPotasse®, Tessengerlo Group's granular SOP (*sulphate of potash*), provides one of mildest forms of the important plant nutrient, potassium. The fertilizer offers a number of important benefits over other sources of potassium, which enable it to help produce high quality crops with maximum export value, as well as to protect the environment.

● **potassium and sulphur in a readily available form** - GranuPotasse® contains a minimum of 50% K₂O (42% K) and 18% sulphur. Intensive cropping combined with limited sulphur replacement has created an increasing sulphur deficiency in some soils. GranuPotasse® ensures optimum uptake of both potassium and sulphur (*as sulphate*).

● **equal performance in alkaline or acidic soils** - in alkaline and salt-affected soils, GranuPotasse® helps to lower the pH level at the root surface. This improves the availability of phosphorus, iron and most other micronutrients. In acidic soils (*mainly light or sandy*),

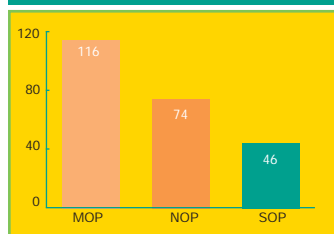
GranuPotasse® reduces cation leaching, as well as the risk of potassium loss. GranuPotasse® is considerably less prone to leaching than other potash fertilizers, ensuring that potassium is not lost to the plant.

● **virtually no chloride** - chloride makes a significant

contribution to soil salinity. It is a direct threat to a variety of cash crops with poor chloride tolerance. An excess can be detrimental to the quality of many crops. Application of 1 ton of MOP (*miriate of potash*) adds almost half a ton of chloride to the soil.

● **extremely low salt index** - salinity can destroy agricultural land by seriously reducing water quality in arid and semi-arid regions. Of the three most common potash fertilizers, GranuPotasse® has by far the lowest

Salt index of main potash fertilizers
(Base index: 100 = sodium nitrate)



size and consistency of the produce. Most fruit and vegetables treated with GranuPotasse® contain more pigments, giving a better colour and appearance. They also have an increased sugar, acid and juice content, which results in better flavour and scent.

Furthermore, GranuPotasse® has been shown to enhance resistance to disease, also contributing to yield increases and improved appearance.

● **enhanced nutritional value** - GranuPotasse® has a positive effect on the plant's production of vitamins, starch and sugar, the basic factors for high nutritional value. This will, more than ever, help secure the value of the crop.



● **increased durability** - not only does GranuPotasse® improve the quality and nutritional value of produce, it also provides firmer fruit and vegetables with a better resistance to bruising. GranuPotasse® can also increase the suitability of fruit and vegetables for canning or processing.

● **a nitrogen-free source of potassium** - the problem of nitrates in water sources and in fruit and vegetables makes it increasingly important for growers to match the exact nitrogen input to the requirement of the crop. Evidence suggests that an excessive nitrate supply when the fruit is forming can have a detrimental effect on quality. GranuPotasse® provides a nitrogen-free source of potash that allows growers to develop fertilization programmes that match crop requirements.

salt index and is the best product to use in areas at risk from salinity.

● **improved fruit and vegetable quality** - use of GranuPotasse® gives high quality produce with outstanding flavour. The fertilizer also improves yield and, in many cases, the



Ideal for direct application or bulk blending

High quality GranuPotasse® granules are suitable for direct application and/or bulk blending.

The granules are produced via a special four-step process. After compacting SOP in powder form into sheets, these are then crushed to produce granules. The granules are carefully sieved to remove over- and under-sized particles and then pass into a separate unit for de-dusting. A stream of compressed air removes the dust particles, leaving only the granular product.

Finally, the granules are coated with a special inert film which helps keep them dust-free and ensures that they flow freely.



GranuPotasse® for direct application

GranuPotasse® offers a number of important benefits for direct application:

● **security and flexibility** - the properties of GranuPotasse® enable both early and late application without the risk of leaching or salt damage to the crop.

● **an effective basal or top dressing during early stages of crop growth.**

● **a dust-free product** - the special process used to produce GranuPotasse® ensures the fertilizer is virtually dust-free. This ensures minimum operator exposure to dust particles when GranuPotasse® is spread on the fields, either mechanically or by hand.



● **consistent granulometry** - 90% of GranuPotasse® particles are between 1.60mm and 4.50mm in size, ensuring uniform application.

● **spreading range of up to 28 metres.**

Leaching of potassium sources in sandy soil (Univ. of Florida, USA)

