

AgriBent I

Sodium Bentonite selected for Agriculture

PRODUCT: Brown Bentonite

COMPOSITION: 100% Bentonite

PHYSICAL FORM: Powder or granular

PACKAGING: Supplied in 25 kg paper bags or 1000 kg big bags



General information and specific advantages

BENTONITE is a clayey material of the smectite family mainly consisting of montmorillonite. BENTONITE is a hydrophilic clay of volcanic origin, mainly composed of silicon and aluminum oxide (phyllosilicate) and natural micronutrients.

Thanks to its characteristics, in agriculture it is used as a support agent (carrier) for other active ingredients or as an aggregating agent for the granulation of fertilizers and pesticides.

It can be used to correct the pH in acid soils.

Thanks to the ability to adsorb water present on vegetation, Bentonite is very effective in reducing the risk of fungal diseases.

It can also be applied as it is in sandy soils to balance their permeability.

Table 1: AgriBent I: physical-chemical properties.

Physical-chemical characteristics (typical values):		
Moisture	[%]	10-14
pH suspension 1%		9-10
Swelling	[ml/2g]	min 25
Residue on 75 micron	[%]	max 10
Chemical analysis of Bentonite (typical)		[%]
Na ₂ O		2,58
MgO		3,35
Al ₂ O ₃		13,85
SiO ₂		53,21
P ₂ O ₅		0,37
K ₂ O		0,13
CaO		2,10
TiO ₂		1,31
MnO		0,07
Fe ₂ O ₃		15,3
Calcination Loss		7,73

Applications and dosage

1. **Powder: AgriBent I** is used as it is or mixed with Sulfur or, if necessary, with other substances that are applied in the form of a powder. The suggested dose is 10-20 kg / hectare. AgriBent P in powder is also used for a physical drying and dehydrating action on grape berries. The bunch is protected by bentonite dust which reduces the damage that can be caused by a high humidity content or by damage caused by atmospheric agents. The recommended doses are 20-30 kg / hectare of dry powder.
2. **Granular: AgriBent I** can be used as a granulation aid for granular fertilizers. Bentonite gives resistance to the granule avoiding its disintegration. In application, on the other hand, bentonite adsorbs the water and therefore helps the continuous and gradual release of the fertilizer, avoiding its washout.

Rev00 October 2021

Information given in this bulletin is based on the state of our knowledge at the date of publication and are believed to be accurate, but do not constitute any engagement or warranty from our part. Buyers and users should make their own assessments under their own conditions and for their own requirements. Information may be changed without any notice. For mandatory characteristics and performance please refer to our Sale Specifications.



Laviosa Chimica Mineraria SpA - Italy
Laviosa Sanayi ve Ticaret Ltd Sti - Turkey
Laviosa France sas - France
Laviosa India Pvt Ltd - India