

## AgriBent I

### Sodium Bentonite selected for Agriculture

**PRODUCT:** Brown Bentonite

**COMPOSITION:** 100% Bentonite

**PHYSICAL FORM:** Powder

**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.*

<b>Physical-chemical characteristics (typical values):</b>		
Moisture	[%]	10-14
pH suspension 1%		9-10
Swelling	[ml/2g]	min 25
Residue on 75 micron	[%]	max 10
<b>Chemical analysis of Bentonite (typical)</b>		[%]
Na <sub>2</sub> O		2,37
MgO		2,47
Al <sub>2</sub> O <sub>3</sub>		14,38
SiO <sub>2</sub>		50,39
P <sub>2</sub> O <sub>5</sub>		0,37
K <sub>2</sub> O		0,14
CaO		2,05
TiO <sub>2</sub>		1,66
MnO		0,03
Fe <sub>2</sub> O <sub>3</sub>		18,44
Calcination Loss		7,80



## Applications and dosage

**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.

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Rev01 October 2022

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