



# ANTIBOTRYTIS 2014

High dispersibility clarifier for *Botrytis* affected grapes



## → TECHNICAL DESCRIPTION

During too wet seasons, grapes are often subject to the attacks of grey rot *Botrytis* developing on the surface of berries: it penetrates them and creates the ideal conditions for the development of grey rot, caused by the pollution of yeasts and bacteria. Sometimes the only swelling of the grapes caused by the rain is enough to break the skin and to let the must come out, whose sugars facilitate the quick development of the polluting microflora.

The musts obtained from such grapes are strongly compromised from the microbiological point of view: high concentrations of apiculated yeasts (*Hanseniaspora*, *Metschnikowia*, *Kloeckera*), acetic bacteria (*Acetobacter*, *Gluconobacter*) and lactic bacteria (above all *Lactobacillus*) are in fact present.

The most important oenological problems are caused by the presence of the laccase, an oxidizing enzyme produced by *Botrytis cinerea*, composed by a protein part and a copper atom, which is indispensable for its functioning. Laccase is a non-specific polyphenoloxidase oxidizing wine polyphenols and it causes, as an indirect consequence, the production of acetaldehyde, the reduction of the free sulphur dioxide, an increase of "faded" notes, the loss of primary aromas and the appearance of characteristic mould notes.

The best method to reduce the effect of these harmful compounds is to decrease the activity since the first processing stages. For this reason AEB developed **Antibotrytis 2014**, a high-dispersion preparation enabling to protect grapes during the first mashing stages. **Antibotrytis 2014**, composed by high adsorbing perlite, ascorbic acid, tara tannin, gall tannin, potassium metabisulphite and cellulose, removes very effectively the oxidized compounds and protects varietal and fermentative aromas. The product should be added directly on grape wagons or on discharge hoppers, so that the must can be protected as soon as it is extracted from the berry, and it acts perfectly in combination with Endozym Antibotrytis.

## → COMPOSITION AND TECHNICAL CHARACTERISTICS

Mix of gallotannins, L-Ascorbic Acid, *potassium metabisulfite* (10 g/hL bring about 5,7 mg/L of SO<sub>2</sub>), excipients. **Antibotrytis 2014** is a preparation removing oxidized compounds very effectively and protecting varietal and fermentative aromas.

## → DOSAGE

From 40 to 70 g/100 kg of must or grapes according to the *botrytis* attack.

## → INSTRUCTIONS FOR USE

Disperse on grapes or must as soon as possible.

## → STORAGE AND PACKAGING

Store in a cool and dry place, away from direct sunlight and heat.

10 kg bags.

