Client Update on Recent Changes in the EU Regulation on Organic Farming

**Regulation (EU) 2019/2164 from December 2019 introduces some relevant changes to Regulation (EC) 889/2008:**

1. Changes Regarding Allowed Fertilisers and Plant Protection Products (Annexes I and II)

   ✓ **Humic and fulvic acids** are now approved as a soil amendment (Annex I). CERES had allowed these substances as part of our "equivalent standard" already in the past, now these substances are considered "compliant", for use also inside the EU. Please refer to our Policy 4.1.22 regarding restrictions!

   ✓ "Biochar" (charcoal) is now allowed as soil amendment "only from untreated plant materials", with maximum 4 mg/kg of PAH (polycyclic aromatic hydrocarbons). Just as humic acids, charcoal can be used as a supplement to proper management of soil organic matter through crop rotations and organic fertilizers, but not as a substitute.

   ✓ **Mollusc waste** from sustainable fishery or organic aquaculture, and **eggshells** (factory farming forbidden) are also allowed as fertilizers now.

   ✓ **Hydrogen peroxide** is now allowed as crop protection product (Annex II).

   ✓ **Maltodextrin** is now allowed for pest control. This sugar seems to have a mechanical glue effect on certain pests (e.g. aphids, whiteflies, spider mites), similar to vegetable oils.

   ✓ Also **Cerevisan** (made from yeast cell walls) is now listed in Annex II. This substance has an effect of inducing the plant's own resistance mechanisms.

   ✓ **Terpenes** (Eugenol, Geraniol, Thymol) may now also be used in crop protection. These are components of many essential oils, with a proven antimicrobial effect on certain fungi causing plant diseases.

   ✓ **Pyrethrines** may now be extracted also from other plant (Chrysanthemum) species, not only from C. cinerariaefolium.

2. Additional Substances Allowed for Organic Feed (Annex VI)

   ✓ Since CERES has very few activities in this field, we only refer to Regulation (EU) 2019/2164 here.

3. Additives and Processing Aids for Food (Annex VIII)

   ✓ **Beeswax** (releasing and glazing agent) must be from organic production from now on

   ✓ Starting 1 Jan. 2022, certain **additives** must be from organic production (tara gum powder, lecithins, glycerol, locust bean gum, gellan gum, arabic gum, guar gum and carnauba wax)

   ✓ **Lecithins** and **carnauba wax** must be derived from organic raw materials from now on

   ✓ **Lactic acid** and **NaOH** now also allowed as processing aids for production of plant proteins

   ✓ **Hop extract** and **pine resin extract** now allowed as processing aids for sugar production; if available, these substances must be from organic origin.

4. Winemaking (Annex VIIIa)

   ✓ **Copper sulphate** has been removed from Annex VIIIa (no longer allowed as processing aid for wine).