

How to calibrate *Agaricus bisporus* photovoltaic panels

Can *Agaricus bisporus* be used as a reducing agent?

The goal of this review is to highlight recent data about recycling wastes for *Agaricus* production and applications of *A. bisporus* as a reducing agent in the biosynthesis of silver nanoparticles. Organically produced foods are currently highly desirable, but it can also be used for ecofriendly biosynthesis of nanoparticles.

What is *Agaricus bisporus*?

Agaricus bisporus (J.E.Lange) Imbach is a mushroom belonging to the Agaricaceae family, division Basidiomycota, in the Fungi kingdom, which is one of the most cultivated mushroom species worldwide (Leiva et al., 2016, Robinson et al., 2019). This species has several common names including white mushroom, button mushroom or champignon mushroom.

Does *Agaricus bisporus* spawn in grain cereals?

The dataset in WFLDB for *Agaricus bisporus* spawn production (commercial mycelium in grain cereals) in the Netherlands was adapted by replacing the rye (*Secale cereale* L.) grains and electricity by country specific data.

Does calcium affect the yield and quality of *A. bisporus*?

The yield and quality of *A. bisporus* were affected by its culture medium and environment. Among the culture base, the precise impact of calcium on *A. bisporus* cultivation and the dynamic changes in calcium concentration and chemical environment during the cultivation process remain unclear.

Does *A. bisporus* have a decreasing Ca content?

The results of the ICP analysis revealed that during the harvesting phase of *A. bisporus*, a decreasing trend in Ca content was observed in the covering soil (from 4.48% to 3.16%), whereas the Ca content in the compost remained relatively stable (Table 3).

Does *A. bisporus* have a higher N content than compost?

During the harvesting phase of *A. bisporus*, it is evident that the relative N content in the covering soil is lower compared to that in the compost. On the other hand, the O content in the covering soil is higher than in the compost.

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