

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 increase bioavailable holocellulose?

ten Have, R., Wijngaard, H., Aries-Kronenburg, N. A., Straatsma, G. & Schaap, P. J. Lignin degradation by Agaricus bisporus accounts for a 30% increase in bioavailable holocellulose during cultivation on compost. J Agric Food Chem 51, 2242-2245 (2003).

Can Agaricus bisporus be grown on millet straw?

If you find something abusive or that does not comply with our terms or guidelines please flag it as inappropriate. Agaricus bisporus is in general cultivated on wheat and rice straw in China. However, millet straw is a potential alternative resource for Agaricus bisporus cultivation, but this has hardly been studied.

What type of life cycle does Agaricus bisporus have?

Agaricus bisporus is an amphithallic species with a homothallic or heterothallic cycle depending on the ploidy level of the spores, which can be heterokaryotic ($n + n$) or homokaryotic (n) (Figure 5.3). Each dominant life cycle is characteristic of a variety.

What is the genetic linkage map of Agaricus bisporus var burnettii?

An expanded genetic linkage map of an intervarietal Agaricus bisporus var. bisporus × A. bisporus var. burnettii hybrid based on AFLP, SSR and CAPS markers sheds light on the recombination behaviour of the species. Fungal Genet.

Is Agaricus bisporus a basidiomycete?

It is an amphithallic basidiomycete represented mainly by two subspecies, i.e., Agaricus bisporus var. bisporus and A. bisporus var. burnettii. All commercial varieties and most wild isolates are represented by the subspecies var. bisporus.

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