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Culture characterization of an antagonistic bacterium *Bacillus amyloliquefaciens* A-2 active against tomato leaf mold disease

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Bacillus amyloliquefaciens A-2 strain exhibited the remarkable disease control value against the tomato leaf mold disease caused by *Fulvia fulva*. The optimal temperature of the bacterial growth was 30~35°C when cultured in nutrient broth. For the mass production of the biocontrol bacteria A-2, various carbon sources were amended and tested in a basal medium. It appeared that supplement of rice oil in a fermentation medium produced the highest cell density. Therefore, basal medium with 3% of rice oil (named as rice oil medium) was finally selected as a optimal medium for the mass production of biocontrol strain *B. amyloliquefaciens* A-2.