

Is it suitable to grow sweet potatoes under photovoltaic panels

However, the effects of SCAPV and EAPV on sweet potato quality and yield have not been studied. Therefore, this study aims to investigate the impact of SCAPV and EAPV on evapotranspiration (ET) ...

This study aims to cultivate potato plants in three different environments: beneath simulated solar panels, between them, and in a control area, under two levels of deficit irrigation (35% and ...

Therefore, maintaining crop yield under shading beneath photovoltaic panels is important. Numerous studies have examined the effects of AVSs on yields, predominantly focusing on ...

In a two-year study near Lake Constance in southwest Germany, the researchers found that potatoes thrived when agrivoltaics were incorporated into the land use plan. The yields under the ...

We conducted three treatments: SCAPV, EAPV, and open-air (CK). We planted 32 m² of sweet potatoes and placed a weather station in each treatment. Our results showed that the 32 m² ...

Several projects across the country are researching the synergistic benefits of co-locating photovoltaic arrays on vegetable and fruit farms. Potential benefits to the crops will derive from lower ...

Intercropping, greenhouse planting, and photovoltaic agriculture are common planting modes for sweet potatoes, but they can also cause insufficient light conditions or low light stress.

Agrivoltaics, the practice of combining solar energy production with agriculture, offers a dual opportunity to generate renewable energy and grow crops on the same land. However, ...

Sweet potatoes are root vegetables that grow from the ground that can be grown directly from a sweet potato or from slips that you start off of another sweet potato.

In order to investigate the effects of establishment of photovoltaic (PV) panels on field illumination conditions and sweet potato growth in an agro-photovoltaic integrating system, we used ...



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