

Should agrivoltaics be subsidized in horticulture?

incentives for agricultural operations to become more active in this sector by subsidizing agrivoltaics in horticulture could therefore serve as leverage for the total agricultural produc-tion in Germany, even with a very small proportion of land used for agrivoltaics. This applies in particular in the area of berry production.

Can agrivoltaics be used on arable land?

The dual use of arable land is one possible approach: With agrivoltaics, large ground-mounted photovoltaic systems are installed on farmland which is simultaneously used for food production. Increasing photovoltaic capacity is essential as it is seen as an important pillar of the future energy supply over the long term.

Can agrivoltaics be used for food production and PV power generation?

The dual use of farmland for food production and PV power generation presents the chance to address many of these challenges simultaneously. Agrivoltaics provides farms the opportunity to diversify their income and close internal operating cycles. The lower evaporation rate and increased protection against hail and frost are important factors here.

Could a 30 field program help agrivoltaics?

A 30-field pro-gram/100-field program is a possible subsidization scenario: Corresponding to the 1000-roof program for PV systems in the 1990s, a field program could give agrivoltaics a boost. Research and development of the agrivoltaic technology could be significantly accelerated as a result.

Should agrivoltaic systems be approved?

Approvals for agrivoltaic systems should be issued according to strict legal regulations and with citizen participation to avoid the uncontrolled growth of agri-voltaics, as seen with biogas plants due to privileged building laws for the agriculture sector.

Do agrivoltaic systems accept solar power production?

For a holistic understanding of the acceptance effects of solar power production in agrivoltaic systems, it is essential to reflect that technologies are always embedded in a socio-technical human-technology-environment system, that is, interact with both the groups of actors involved and the regional setting.

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land-use competition between agricultural activities and PV development in certain areas and can, in some locations and for some applications, provide synergistic benefits to the PV system and ...



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