



AGRIVOLTAICS



THE FUTURE OF FARMING



WHAT IS IT?

Agrivoltaics, or solar sharing, is the dual use of land for the harvesting of solar electricity and agriculture.

HOW WELL DOES IT WORK?

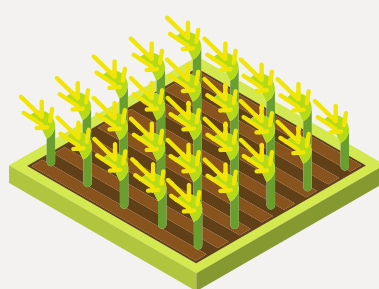
↑ 186%

Source: Fraunhofer Institute for Solar Energy Systems ISE.

LAND USE EFFICIENCY

Figure is based on potato crop in 2018, South-West Germany

VS.



Land use efficiency increases with dual crop and solar harvest, as compared to single harvests on the same hectare of land.



SYNERGY IN AGRICULTURE

Generated and stored energy can be used to power electric farming vehicles, reducing emissions.

POTENTIAL FOR ARID REGIONS

A study in India found that shading effects and less evaporation result in up to 40% higher yields for tomatoes and cotton crops.

40%

HIGHER CROP YIELD IN ARID CLIMATES

Source: Fraunhofer Institute for Solar Energy Systems ISE.

WANT TO LEARN MORE?

ISS specializes in customized solar structures, just like this. Contact us for a quote.

