

# Agriculture using solar power



## Overview

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Farmers can benefit from solar energy in several ways-by leasing farmland for solar; installing a solar system on a house, barn, or other building; or through agrivoltaics.

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### Farmer's Guide to Going Solar

If you are an agricultural land owner and are considering your options to go solar, here are some resources to help you decide what's best for you.

### [The Use and Potential of Agrivoltaics in the United States](#)

Agrivoltaics combine the production of crops or livestock with the generation of electricity from solar panels. To date, the number of agrivoltaics



### [World Bank Supports Project to Modernize Agriculture Systems in](#)

The World Bank's Board of Executive Directors today approved a new project in Uttar Pradesh (UP) to increase farmers' incomes through improved crop productivity, adoption of digital

### Federal farm subsidies: What the data says

In 2024, the government provided \$9.3 billion in subsidy payments to farmers for commodity crops. Subsidies made up 5.9% of total farm earnings that year, with the most funding



### Agriculture and Rural Development

The Role of Agriculture and Rural Development in Ending Poverty and Boosting Shared Prosperity  
Three-quarters of the world's poor live in rural areas and most earn their living from farming.

[Prioritizing Angolan Agriculture to Unlock Economic Diversification](#)

The project aims to incentivize bank lending to agriculture by helping producers and Small and Medium Enterprises (SMEs) prepare and finance agriculture investments, providing the



**Farming and Agribusiness , World Bank Group**

Latest farming and agribusiness information from the World Bank and its development work. Access our economy facts, statistics, project information, development research from experts and latest news.

[Agrivoltaics, a promising new tool for electricity and food production](#)

Benefits of agrivoltaics are also linked to reduced water consumption, improved crop protection and increased animal welfare. Increased global demand for food and energy implies



[Cultivating Change in Agricultural Education: The Rise of Tech-Driven](#)

India's agricultural universities are undergoing a historic transformation through the National Agricultural Higher Education Project (NAHEP), supported by the World Bank and ICAR. With the rise of tech

**Climate-Smart Agriculture**

Climate-smart agriculture Climate-smart agriculture (CSA) is an integrated approach to managing landscapes-cropland, livestock, forests and fisheries--that address the interlinked





[AgriConnect: Agribusiness, Jobs & Subsistence Farming](#)

Technical innovations and policies that transform smallholder farming, create jobs, & strengthen food security.

[Agrivoltaics: The Science and Art of Balancing Solar](#)

As the global demand for both food and renewable energy rises, the competition for land has intensified. Agrivoltaics-co-locating solar panels with



[Pakistan Agriculture Food System: The World Bank Group](#)

Pakistan Agriculture Food System: Knowledge Products Agriculture in Pakistan remains by far the biggest employer of labor and is an especially important sector from a social, livelihood and foreign

### **Agriculture and Food: What We Do**

Agriculture and Food: What We Do Climate-Smart Agriculture As the largest funder of agricultural development assistance, the World Bank is a global leader in supporting the transition to more



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