



# National policy on farming and breeding under photovoltaic panels





## Overview

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This guide will offer an overview of potential agrivoltaic systems and configurations, including benefits and tradeoffs of implementation. To make agrivoltaics a widely available option for developers in the U., questions about cost, liability and other business, legal and regulatory issues need to be addressed. American Farmland Trust's (AFT) Farms Under Threat 2040 solar modeling projects that, without policy intervention, 83% of new solar development is expected to occur on farmland and ranchland (agricultural land), with almost half on America. Agrivoltaics combine the production of crops or livestock with the generation of electricity from solar panels. Sheep grazing is the most popular livestock type. Traditionally agrivoltaics referred to systems with crops—typically fruits or vegetables—grown under solar panels, but the term has evolved to include combining solar panels with grazing livestock. Across the country, solar farms have experienced rapid growth, supported by advancements in technology, cost reductions, and policy initiatives such as state-level renewable portfolio standards and tax credits.



## National policy on farming and breeding under photovoltaic panels



[NATIONAL definition in American English, Collins English Dictionary](#)

National means typical of the people or customs of a particular country or nation. the national characteristics and history of the country.

### Agrivoltaics

Agrivoltaics, which is the pairing of solar panels (photovoltaics) with agriculture, is quickly becoming a strategy for states to meet their climate and energy goals.

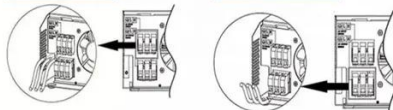


Parallel (Parallel operation up to 6 unit (only with battery connected))



AC input wires

AC output wires



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### [The Potential of Agrivoltaics for the U.S. Solar Industry, Farmers, and](#)

Agrivoltaics - the co-location of solar energy installations and agriculture beneath or between rows of photovoltaic panels - has the potential to help ease this land-use conflict. To ...



## [Common Ground for Agriculture and Solar Energy: Federal Funding](#)

For instance, the panels may be placed among growing crops, grazing livestock, or pollinator habitats. Federal agencies, including USDA and the U.S. Department of Energy, have ...



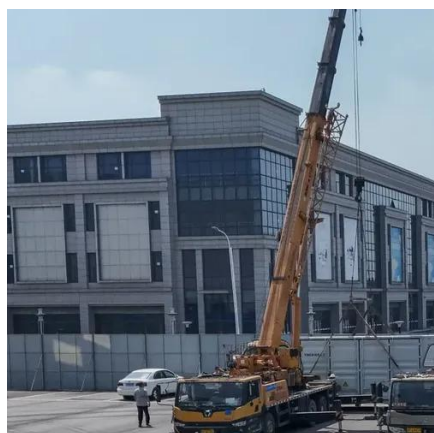
## [NATIONAL, definition in the Cambridge English Dictionary](#)

NATIONAL meaning: 1. relating to or typical of a whole country and its people, rather than to part of that country or.... Learn more.



## **NATIONAL Definition & Meaning**

national designates one who may claim the protection of a state and applies especially to one living or traveling outside that state.



## **National**



1. of, pertaining to, or belonging to a nation: our national anthem; national affairs. 2. peculiar or common to the people of a nation: national customs. 3. devoted to one's own nation, its interests, etc.; ...



### What national day is today (5th Feb. 2026)? , Days Of The Year

What national day is today? Today is Thursday, February 5, 2026, and it's World Nutella Day, National Weatherperson's Day, Time to Talk Day, Adlai Stevenson Day, Western Monarch Day ...

### National Definition & Meaning , Britannica Dictionary

NATIONAL meaning: 1 : of or relating to an entire nation or country; 2 : owned and controlled or operated by a national government



### The Use and Potential of Agrivoltaics in the United States

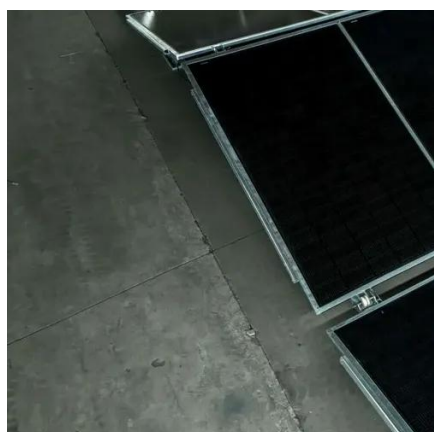
Agrivoltaics are the co-location of ground-mounted rows of solar photovoltaic panels to produce electricity together with raising certain types of crops or livestock or providing pollinator ...



## **Can Agriculture and Solar Co-exist?**



o Directs NRCS, DOE and USDA to collaborate to develop nationally and regionally relevant guidance on best practices for the protection of soil health and productivity during the siting, construction, ...



### **Agrivoltaics Basics**

The concept of agrivoltaics was first proposed in Germany in the early 1980s to preserve farmland while deploying solar energy. Agrivoltaics is now deployed and studied across the globe, with sites on ...

### **National Definition & Meaning , YourDictionary**

Origin of National From New Latin nationalis, from Latin natio ("nation" ); see nation. From Wiktionary



### **NATIONAL Definition & Meaning , Dictionary**

NATIONAL definition: of, relating to, or maintained by a nation as an organized whole or independent political unit. See examples of national used in a sentence.

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## [Harvesting the Sun-Twice: Agrivoltaics and Rural Land-Use](#)

As efforts to conserve farmland intersects with the growth in renewable energy, agrivoltaics emerges as a solution to integrate agriculture and solar photovoltaic (PV) infrastructure.

## **USDA & DOE Solar Energy and Farming Initiatives**

The U.S. Department of Agriculture (USDA) and U.S. Department of Energy (DOE) are working together to support farmers and rural communities make informed decisions about renewable energy.



## [Agrivoltaics: An economic option for farmers and rural development](#)

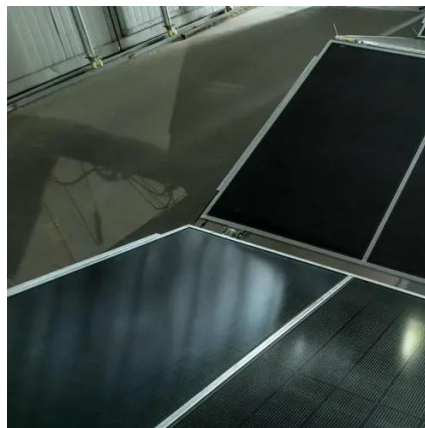
With continued research, supportive policy, and adaptive financial models, agrivoltaics has the potential to align farmer needs, developer interests, and community priorities. Across the ...

## [Policy Recommendations to Increase](#)



## Agrivoltaic Development

"On land beneath and/or between rows of solar panels": This language clarifies that agricultural activities must be integrated--accounting for both the benefits and limitations of farming around and beneath ...





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