

What fruits look good when planted under photovoltaic panels



Overview

Short-stature shrubs with copious production of fruits, buds, or berries over a long season: capers (*Capparis spinosa*); capulín sand cherries (*Prunus salicifolia*); chiltepín, chile del árbol, shishito, etc. (*Capsicum annuum*); Mexican hawthorn or tejocote (*Crataegus mexicana*);. Agrivoltaics creates ideal microclimates where shade-tolerant crops can thrive with 20-30% less water consumption. Japan currently leads with over 2,000 agrivoltaic farms growing more than 120. Some plants actually grow better in partial sunlight, leading to higher yields, improved quality, and reduced water demand. So, what should you grow to make the most of your land?

Let's explore! 1. Orchards under solar produce bountiful and healthier fruit. These crops require consistent soil conditions, such as stable soil temperatures and sufficient soil moisture; agrivoltaics enhances these parameters. Growing fruit under panels isn't exactly like traditional orcharding: Here's the kicker: Panel shade reduces evaporation by up to 30%.

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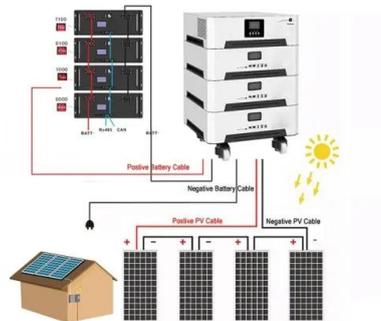


[5 Crops That Thrive Under Solar Panels](#)

Blueberries, strawberries, and blackberries have all shown promise growing under agrivoltaic conditions. Reduced risk of sunburn, extended growing seasons, and protection from wildlife are all reasons why ...

[Agrivoltaic opportunities: Grow crops in solar energy systems](#)

The reality is that crops can be grown underneath and in proximity to solar panels. Examples of these crops are listed below. Note that this is not an exhaustive list. Oats, potatoes, ...



[Best Fruit Trees to Grow Under Solar Panels: A 2025 Guide for](#)

Welcome to agrivoltaics - the game-changing practice of growing crops under photovoltaic arrays. Recent data shows agrivoltaic systems increased global farmland productivity by 60% last year, but ...

[Best Crops That Thrive Under Solar Panels](#)

The following selections represent the top performers that farmers should consider when implementing solar panel agriculture on their land. Each offers distinct advantages and has been ...



[Can You Grow Plants Under Solar Panels](#)

Soft fruits thrive under the protective shade of solar panels. Notably, strawberries beneath striped crystalline silicon panels yield 18% more by weight. Shade-tolerant crops like leafy ...



[Choosing the Right Crops for Your Solar Farm: A Decision Framework](#)

Solar panels create partial shade, which benefits some crops but hinders others. Choose crops based on their shade tolerance: High Shade Tolerance: Leafy greens like lettuce, spinach, ...



[Agrivoltaics - Growing Under Solar Panels. Weekly Crop Update](#)

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 ...



Crops Uniquely Suited to Growth in Agrivoltaic Settings

Indeed, much of the coffee and chocolate (cocoa) consumed as beverages has been grown under shade-bearing, nitrogen-fixing legume trees such as madre cacao (*Glyricidia sepia*), a ...



Best Crops for Agrivoltaics: Growing Food & Harvesting Solar Energy

Shade-Tolerant Vegetables & Fruits. Many leafy greens and root vegetables benefit from cooler temperatures and filtered sunlight, making them perfect for Agrivoltaics: Leafy Greens - ...

Agrivoltaics: Which Crops Thrive Under Solar Panels?

Most leafy greens are suitable for growing under solar panels, as are vegetables such as tomatoes, beets, radishes, peppers, and more. Fruit trees, bushes, and grapevines also do very well ...



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