



# Ten Thousand Sheep Farm under Photovoltaic Panels

Can sheep graze around solar panels?

Sheep graze along arrays of solar panels in Hammond, Minnesota. 'Solar grazing' around panels is providing a lifeline to the US shepherding sector as clean energy expands. Stung by high fuel costs and a labor squeeze, some clean energy companies are turning to an unlikely ally -- flocks of sheep -- to keep their solar panels out of the shade.

How many sheep graze at Fitchburg solar farm?

More than 200 sheep graze among 15,000 solar panels at the Fitchburg Renewables solar farm, a 5-megawatt facility that supports 700 community solar subscribers. John Tlumacki/Globe Staff FITCHBURG -- Leaning on the back of their pickup truck, farmers Jesse and Elspeth Robertson-Dubois kept a keen eye on their flock of sheep.

Is grazing cattle under solar panels a good idea?

There is growing interest in grazing cattle underneath solar panels. This year, the Energy Department launched the Large Animal and Solar System Operations (LASSO) Prize, providing millions of dollars for research around solar development and cattle grazing.

Can solar grazing help farmers feed their flocks?

A herd of sheep move between rows of photovoltaic panels at the Azure Sky solar project in Haskell County, Tex. Solar grazing helps farmers feed their flocks while the expanding solar industry provides more clean energy to the grid.

Are sheep better than goats on solar farms?

There are a few reasons sheep are the superior choice for grazing on solar farms. For one, they are shorter than cows and horses. They will also eat most kinds of forage, which helps keep plant growth at bay. Goats, on the other hand, will chew pretty much anything, which is a bit of a risk on solar farms.

What is solar grazing & agrivoltaics?

"Agrivoltaics," or the dual use of land for solar power and agriculture, is a way for both industries to utilize the same ground. The American Solar Grazing Association, founded in 2018, estimates about 5,000 sheep are currently maintaining US solar sites.

We are a community of farmers, solar developers, and innovators who are shaping the future of solar energy and farming. The American Solar Grazing Association (ASGA) is the leading voice of the solar grazing ...

The research project undertaken by Kampherbeek, McFarlane and Sistla aimed to "investigate the effects of solar panels on sheep grazing behaviour..." Two types of grazing management strategy are proposed - ...

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Adding solar panels to a 6-hectare sheep paddock on the case study farm could increase income for the farm by close to \$1 million, with net profit increasing over \$420,000 The research identified both potential benefits ...

The integration of sheep and solar is "highly feasible", McCabe says, because they can graze under ordinary height panels. But she says it is "still early days" to know if it will ...

"The "photovoltaic sheep" farm exemplifies the development of "new quality productive forces" tailored to the plateau's existing conditions through a scientifically informed ...

Among other things, Emma studied via data loggers on their collars how the sheep use solar parks as foraging areas. She also looked at how the presence of solar panels affects forage quality in such a Mediterranean ...



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