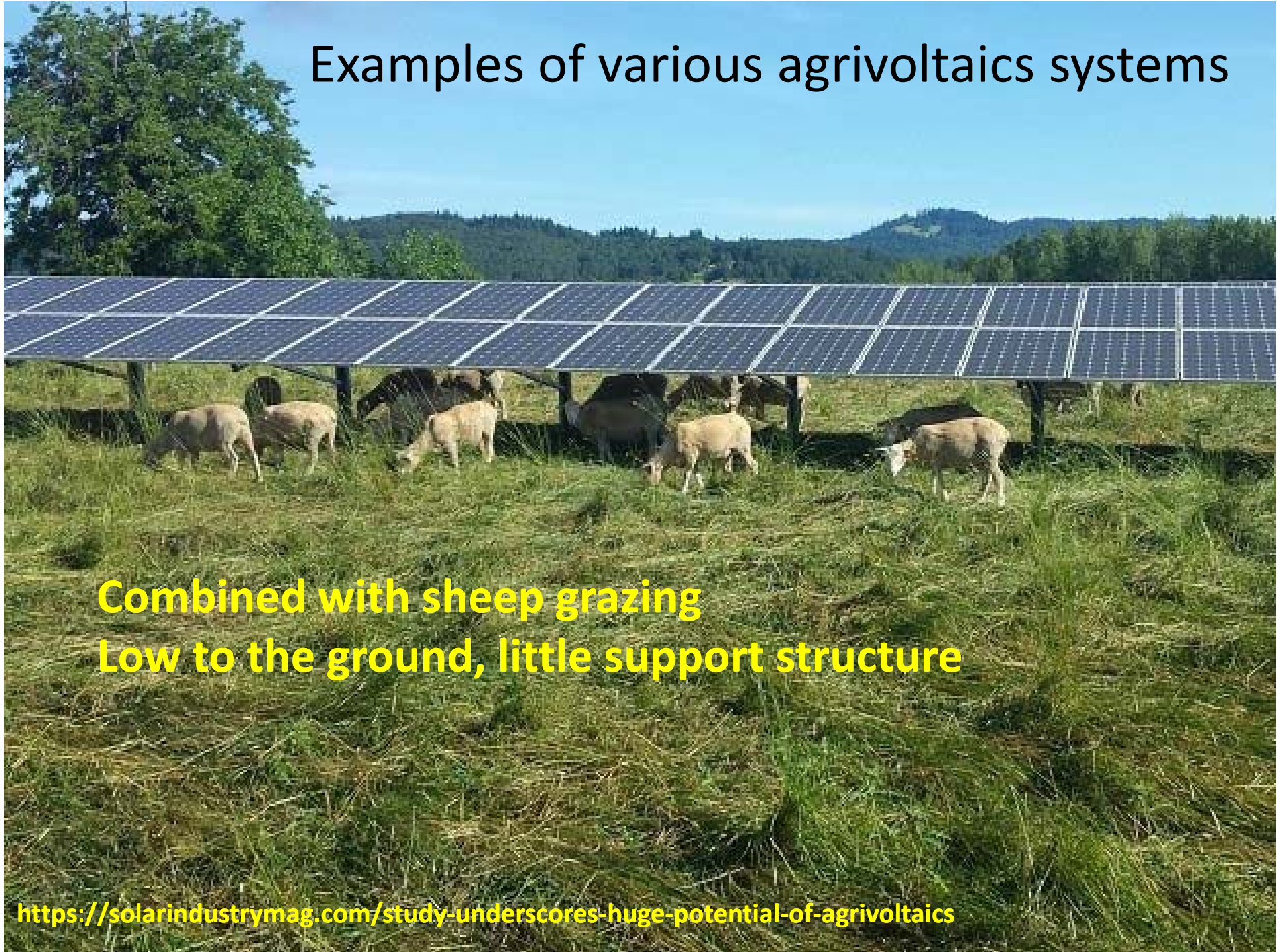


# Examples of various agrivoltaics systems



**Combined with sheep grazing**  
**Low to the ground, little support structure**

<https://solarindustrymag.com/study-underscores-huge-potential-of-agrivoltaics>

**Or combined with cattle grazing  
A little higher off the ground, a little beefier support**



<https://www.altenergyincorporated.com/location/staunton-va>

# Vertically mounted panels (Oriented facing East and West)



Bifacial panels

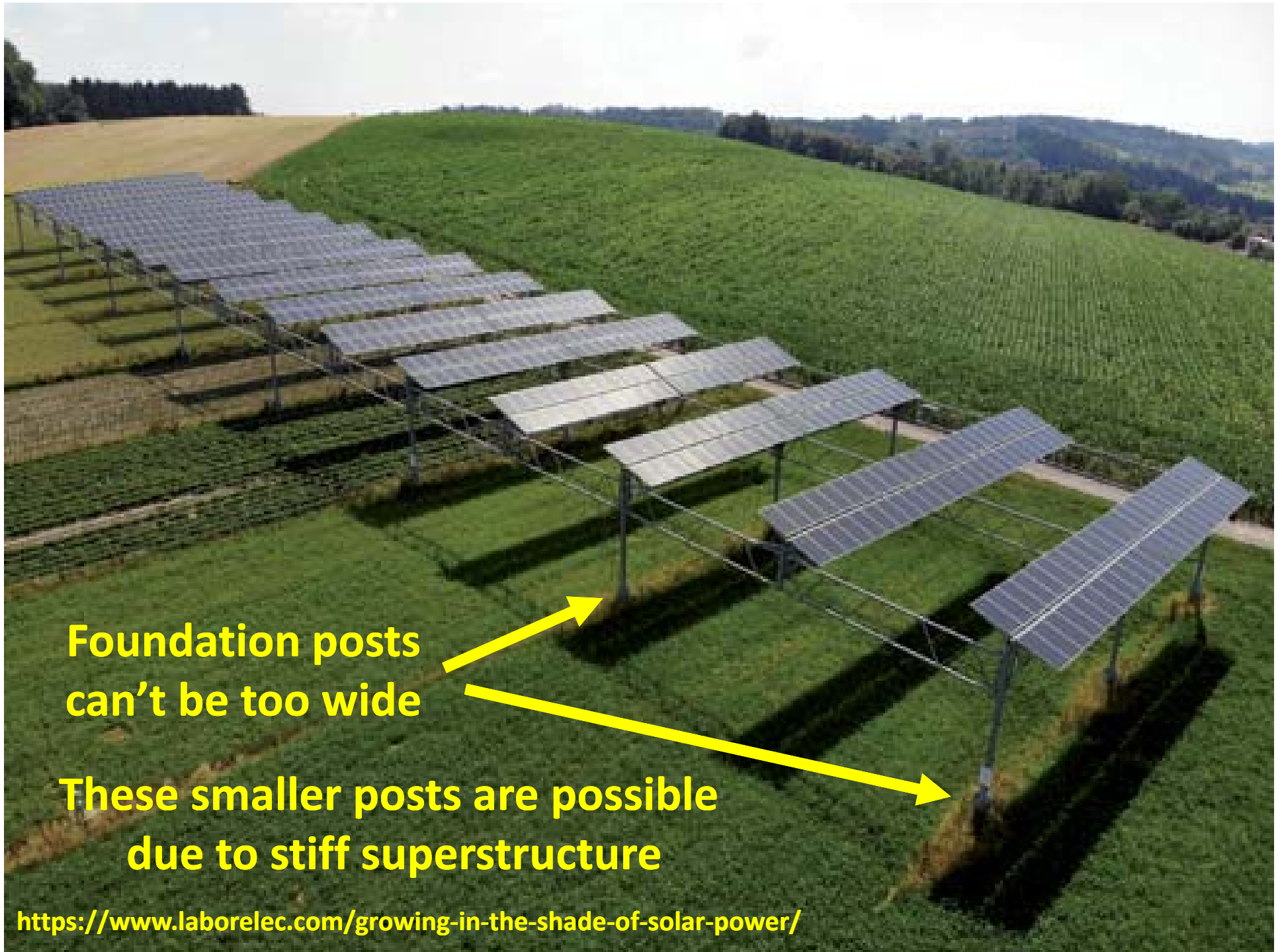
<https://www.next2sun.de/>

**Fixed tilt array  
At UMass  
Ag Extension**

**Note the heavy  
steelwork**

**These posts  
have to be installed  
deep due to the lack of  
cross support between  
adjacent posts**

<https://www.nrel.gov/news/features/2019/beneath-solar-panels-the-seeds-of-opportunity-sprout.html>



**Foundation posts  
can't be too wide**

**These smaller posts are possible  
due to stiff superstructure**

<https://www.laborelec.com/growing-in-the-shade-of-solar-power/>

**Notice how little growing space is 'wasted'  
Tilting panels**



<https://www.pv-magazine.com/2020/05/28/france-embraces-solar-with-viticulture-arboriculture-and-market-gardening/>

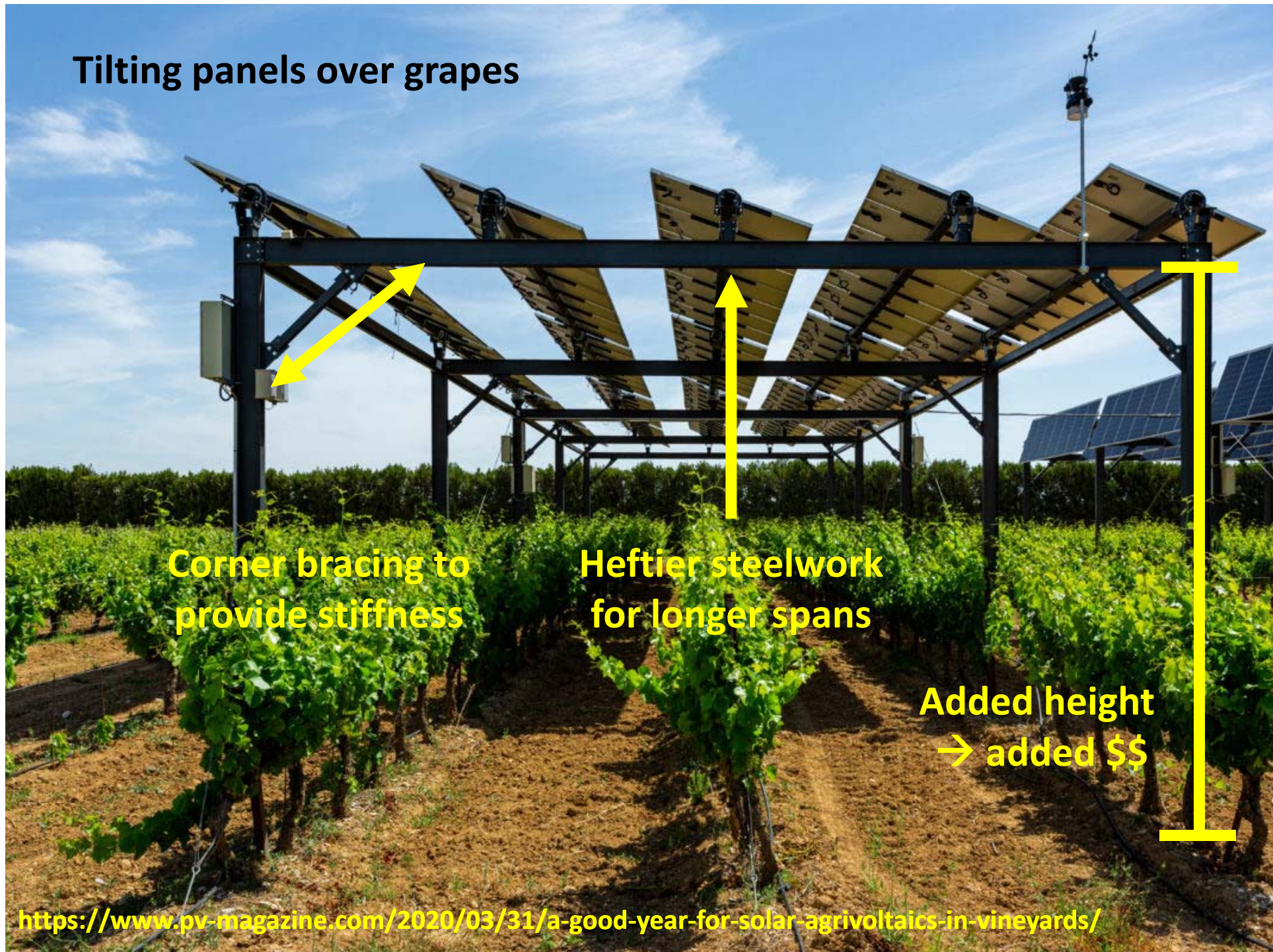


**Stiff superstructure**

**Tall enough to let a combine pass**

<https://www.triplepundit.com/story/2020/new-england-agrivoltaics/120946>

## Tilting panels over grapes

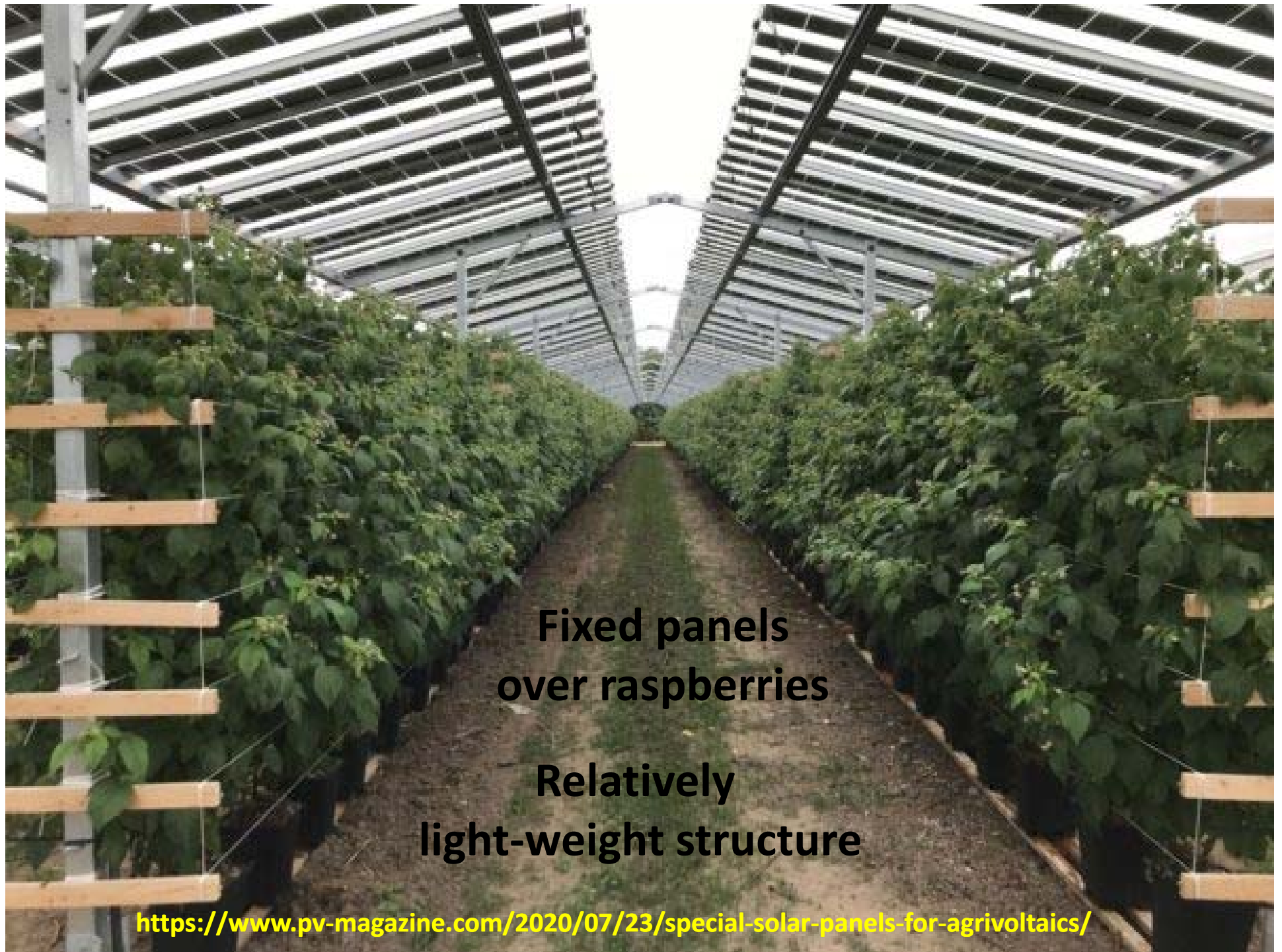


Corner bracing to provide stiffness

Heftier steelwork for longer spans

Added height  
→ added \$\$

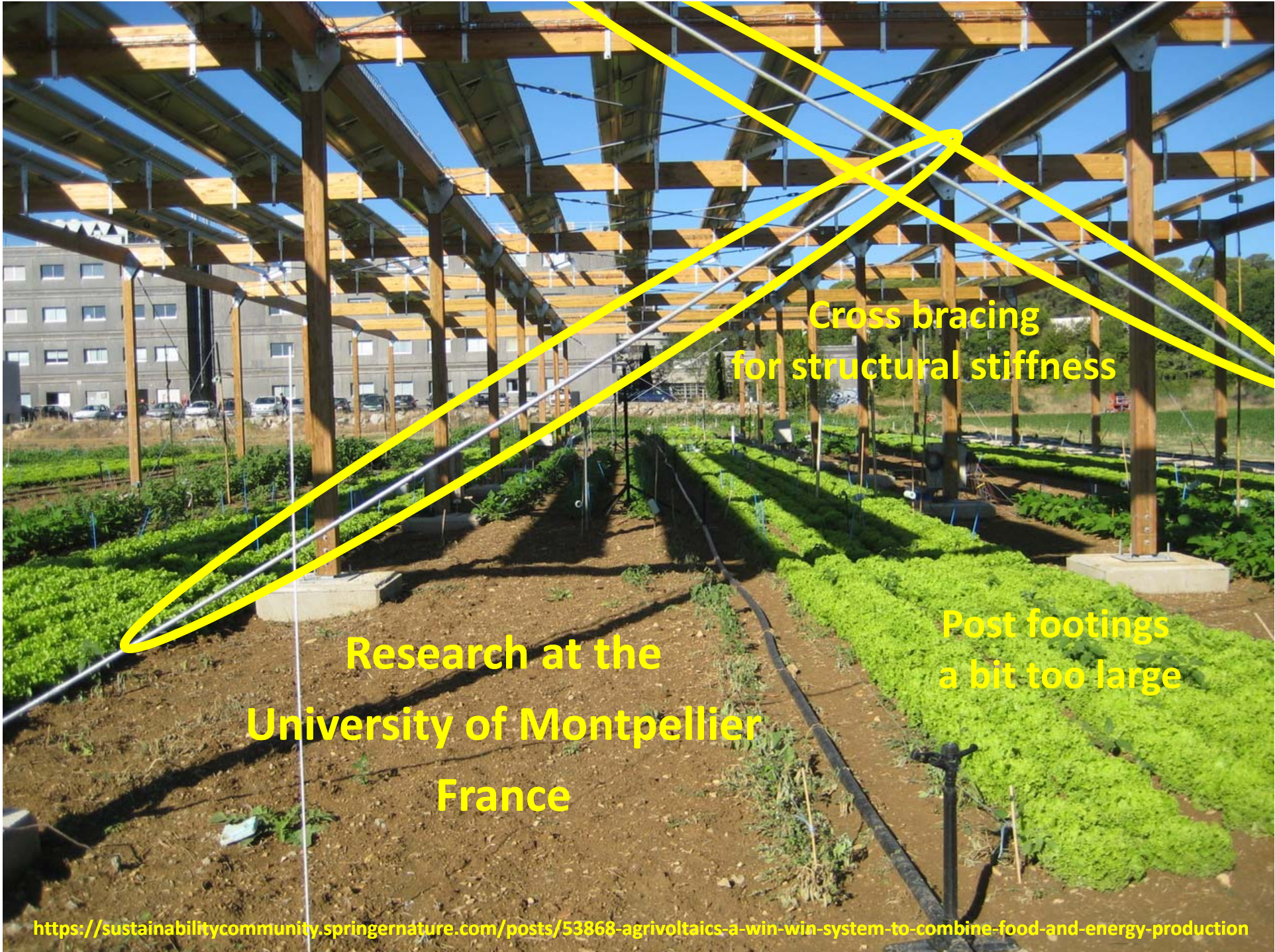




**Fixed panels  
over raspberries**

**Relatively  
light-weight structure**

<https://www.pv-magazine.com/2020/07/23/special-solar-panels-for-agrivoltaics/>



**Cross bracing  
for structural stiffness**

**Research at the  
University of Montpellier  
France**

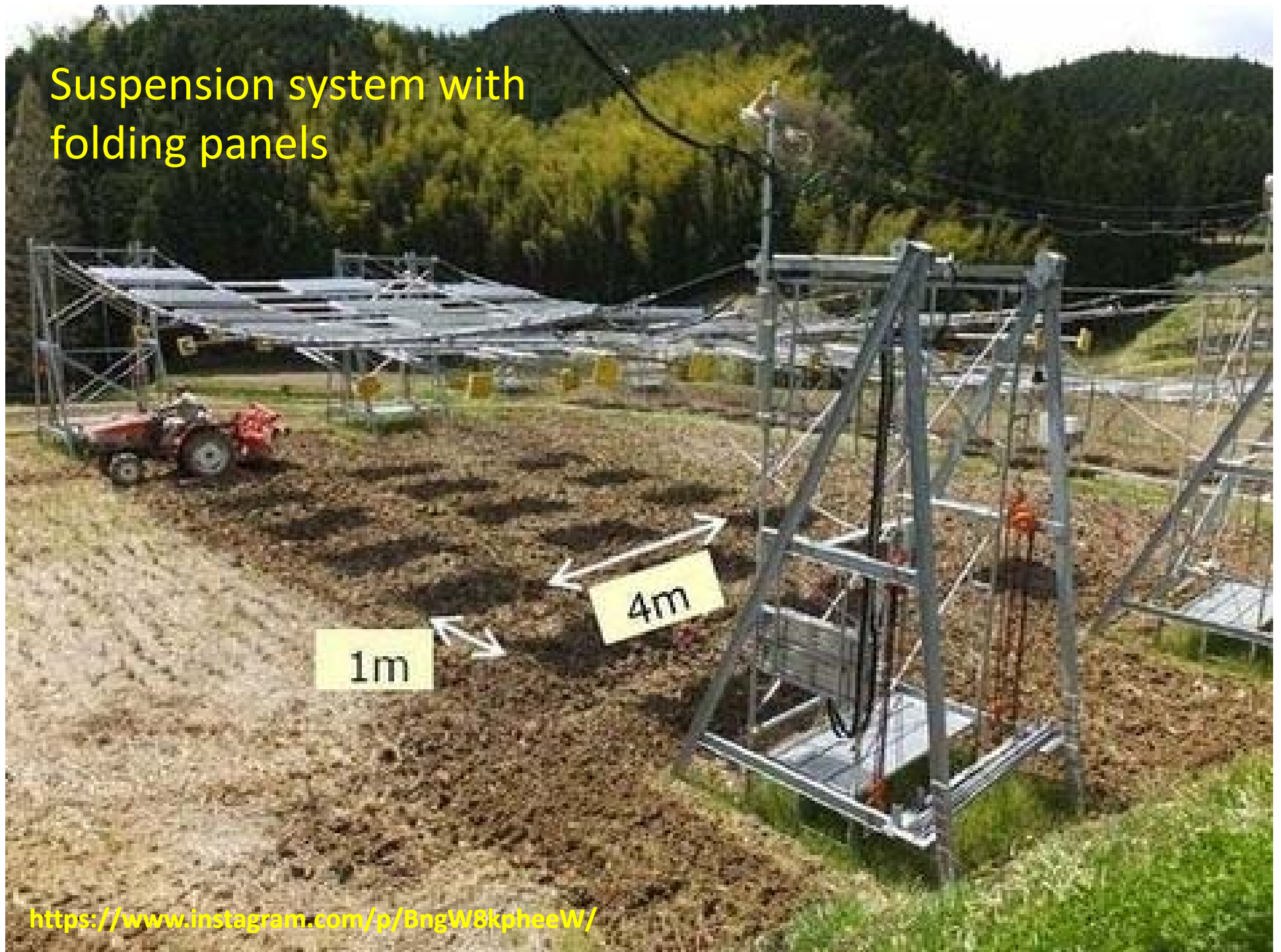
**Post footings  
a bit too large**

# Sliding solar panels over grapevines



<https://www.pv-magazine.com/2019/12/05/french-start-up-ombrea-develops-solar-blinds-made-of-sliding-pv-panels/>

# Suspension system with folding panels





**Need lateral structural rigidity (trusses)  
to support extra weight and prevent wind damage  
(Note reinforcing zig-zags)**

**Part of a greenhouse roof  
Strawberry production  
in suspended troughs**