



Colorado
Agrivoltaic
LEARNING CENTER

Engaging the Next Generation in Agrivoltaics

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What is Agrivoltaics? Co-location of Agriculture + Photovoltaics



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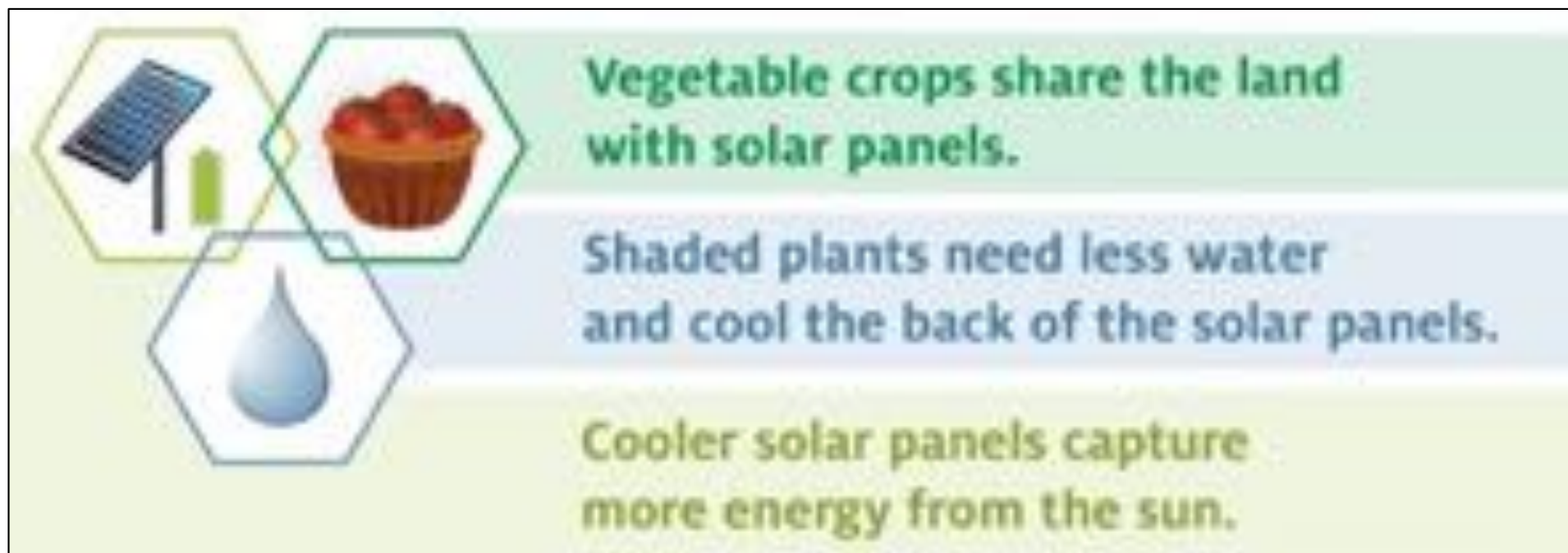


Image from the University of Arizona





Jack's Solar Garden



- 3,276 Single Axis Tracking Modules on 4 acres of land
 - Rotate from east to west during a day.
- Panels are elevated higher than normal
 - 2/3 of array are 6 feet tall
 - 1/3 of array are 8 feet tall
- 3 crops beds in between solar panels
- Or pasture grass is grown between panels (not in rows)

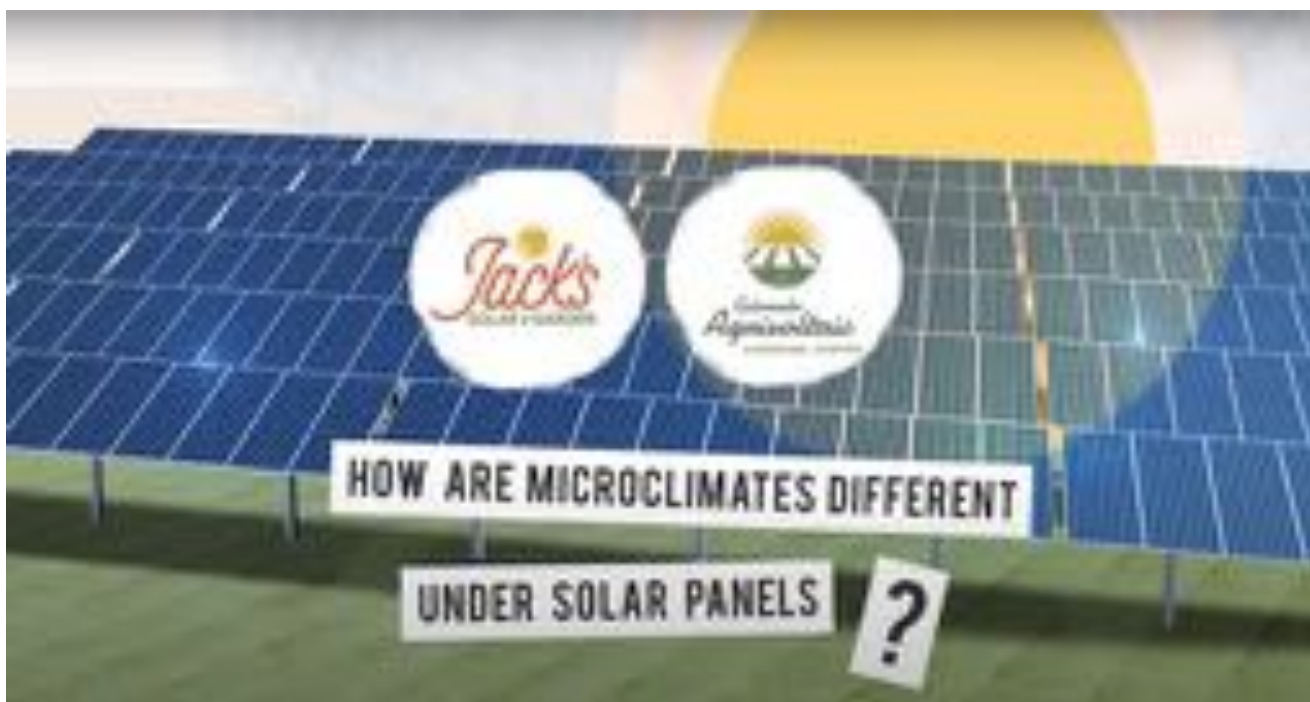




Why is Agrivoltaics Beneficial?



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Benefits of Agrivoltaics

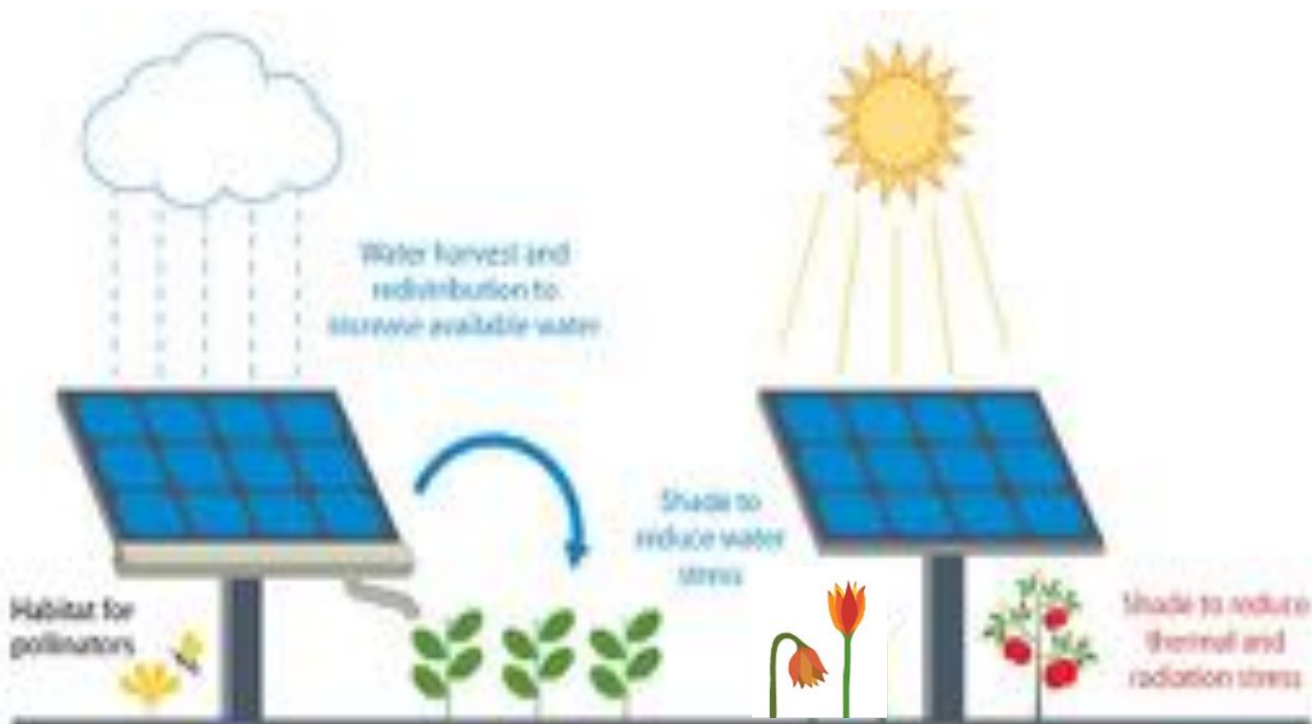


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- Water Conservation
- Higher Crop Yields
- Increased Solar Panel Efficiency
- Improved Habitat for Livestock and Wildlife
- Crop Protection
- Economic Opportunities for Farmers





We teach the next generation of sustainability leaders by connecting students, community members, and policymakers to clean energy, local food, and responsible land use management through agrivoltaic tours and events at **Jack's Solar Garden**.

www.coagrivoltaic.org

Our Three Educational Pillars



Youth

Tours and activities for students



Communities

Tours, events, and volunteering



Policymakers

Tours, events, and policy suggestions

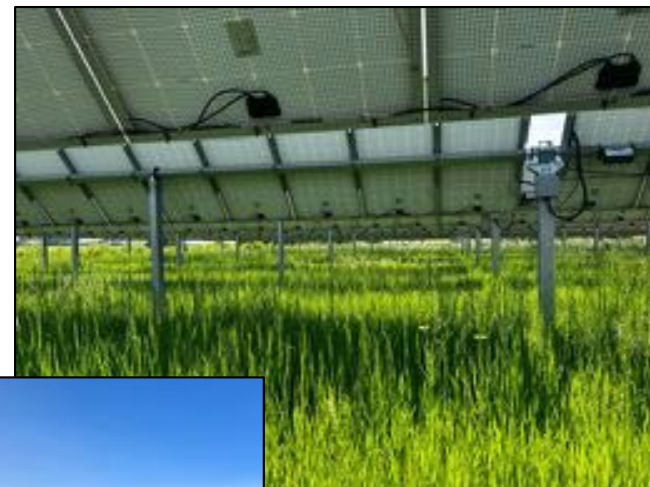




How do we make it safe for people in the array?



- Elevating the panels
- Adding mesh over the wires
- Good wire management
- Have visitors sign a waiver





Connecting Agrivoltaics with Content



- Need to identify state/national standards
- Provide hands-on activities
- Relate the subject to important issues for students
- Create lasting partnerships





Importance to Students



Problems Students are Concerned about:

- Climate Change
- Decrease in Biodiversity

Growing Career Opportunities:

- Renewable Energy
- Regenerative Agriculture
- Solar Grazing
- Agrivoltaic Research





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Education in Action





Successes and Room for Growth



- Impacted almost 1,000 students since 2020!
- Developed curriculum for science and civics classes, and AP Environmental Science and AP Government
- Want to expand our geographic reach across Colorado
- Would like to provide transportation to high need schools





That's All I Got

Questions???

**Support our work or
schedule a tour at
www.coagrivoltaic.org**

