

**20% Increase in Crop Yield\***  
**Renewable Zero Carbon Electricity Generation**  
**Energy in the field off or on grid connections**

# **Agrivoltaics**

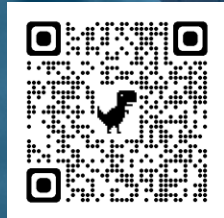


**Up to £100K IFP Grants Available**



**Polysolar**

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Full Solar Solutions**



# Advanced Applications in Photovoltaics



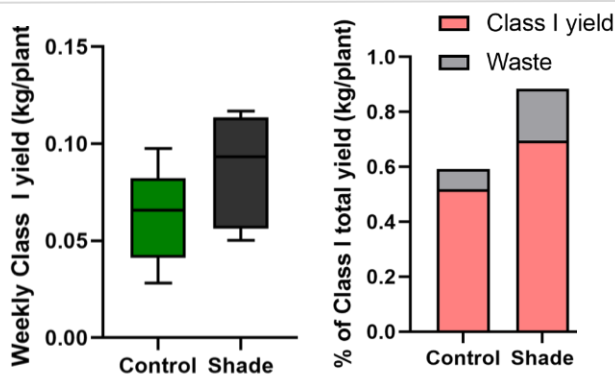
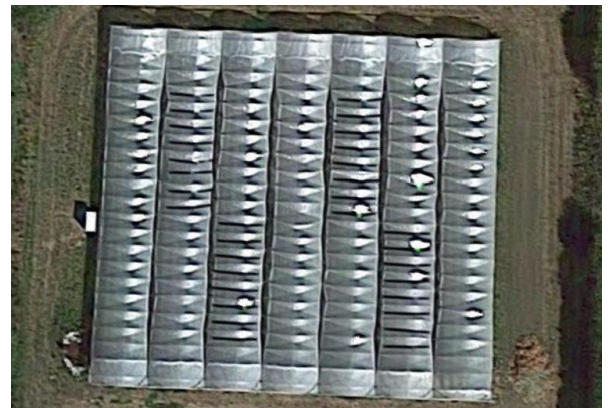
# Polysolar

**Agrivoltaics** - solar integrated into agriculture offering dual land use - enabling farmers to generate renewable energy off grid for their own use, or as a revenue stream by exporting power to the grid. This combined with continued and improved agricultural production. With more controlled growing environments, lower resource inputs and ultimately higher yields.



**Transparent Solar PV Glass** - technology deployed in greenhouses as a thermal power generating window. Offering improved and regulated environmental control (heating, lighting, irrigation, etc.) while generating clean renewable energy to automate, electrify production and reduce the operational carbon footprint.

**Lightweight Flexible Solar Panels** – provides for innovative application in horticultural polytunnels, delivering in field renewable electricity to run robotic pickers, irrigation or lighting etc. The simple movable solar system with battery storage enables the farmer to manage and install the solar system without additional planning and controls.



**\*20% Extra Crop Yield** - two years of UK academic trial data on polytunnels shows that despite lower light levels strawberry yields increased 20%. This positive yield data is replicated in green leaf vegetable and other crop trials undertaken around the globe. Higher productivity in agriculture and energy generation means a win win for farmers.