

Supplemental Heat in High Tunnels

How to keep your stuff from freezing
Winter Production Conference

Lincoln University Carver Farm
Jefferson City, Mo February 11,2019

Options for your High Tunnel

- Double Layer Plastic
- Row-Covers
- Floating Row Covers
- Infra-Red Heaters
- Modine Heaters
- Greenhouse inside High Tunnel
- Additional Thoughts

Options Cont.

- Double Poly
 - Off Grid Options
 - 60 CFM



Options Cont.

- Row Cover
 - Spun Bonded
 - Different Brands
 - By weight
 - Wire Hoops
 - Cable



Options Cont.

- Floating Row Cover

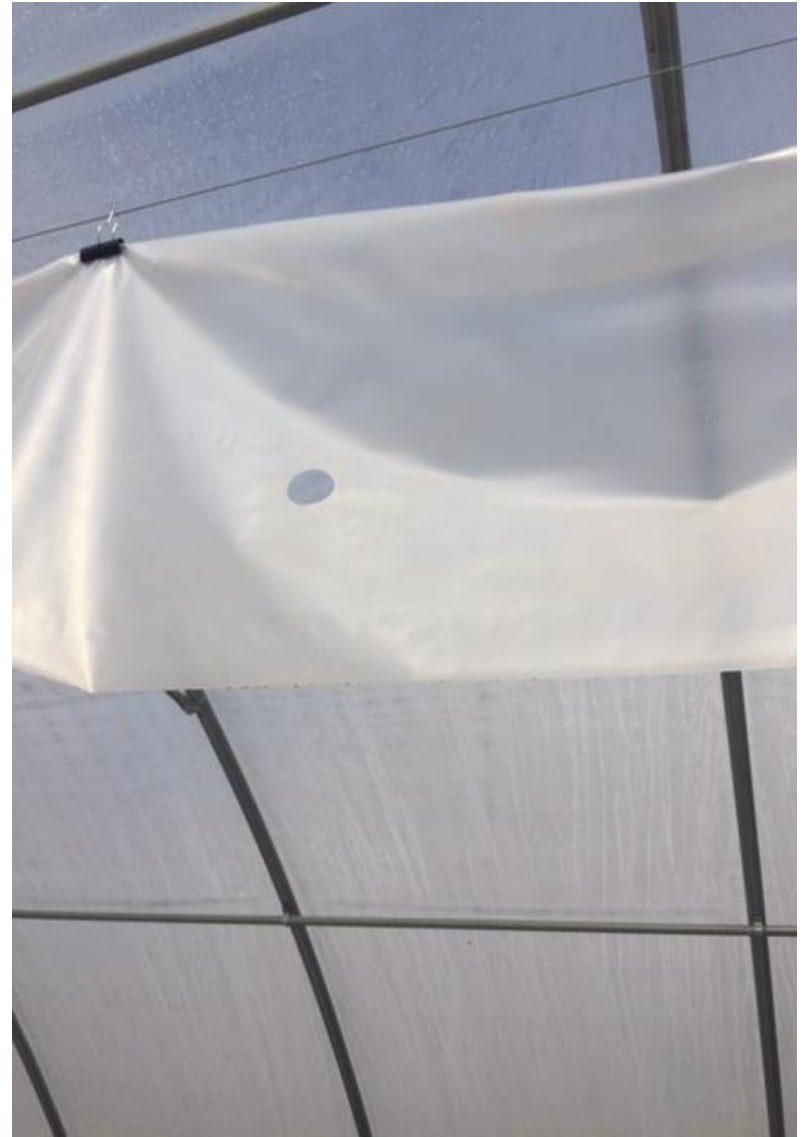


Options Cont.

- Infra- Red Heaters
- Common in Poultry Operations



Modine Heather with Poly Tube





Options Cont.

- For early season production, heat may not be required for the entire tunnel



- Heated Structure inside of a high tunnel
- Picture taken **February 8, 2019**



Option's Cont.

- Wood Furnace
 - Need to be extremely careful!!
 - Outdoor furnace is preferable
 - Recirculating Heated Water
 - Chinese High Tunnel
 - Water Barrels



Options Cont.

- Please remember that high tunnels are designed to be 'low tech'.
- Do you want to grow in a high tunnel or a greenhouse



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