

# Supplemental Heat in High Tunnels

How to keep your stuff from freezing  
Winter Production Conference

Eureka, Mo February 17,2020

# 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 Heater 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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