Season Extension Research Project

Organic Soil Fertility Management in Montana High Tunnels

Charlie Watt and Dr. Mac Burgess
4 treatments with varying C:N ratios

- Composted chicken manure: 15:1 C:N
- Composted dairy manure: 30:1 C:N
- Soy pellets: 6:1 C:N
- Blood meal: 3:1 C:N
Build soils that regulate N
Increase soil quality

- Microbial life
- Physical structure
- Enhanced nutrient cycling
Undergraduate student engagement

- Research plots are part of our farm tours
- Students get to see experimental design
- Help with harvest and data collection
- Involved in soil sampling and nitrate testing in lab
Thank you