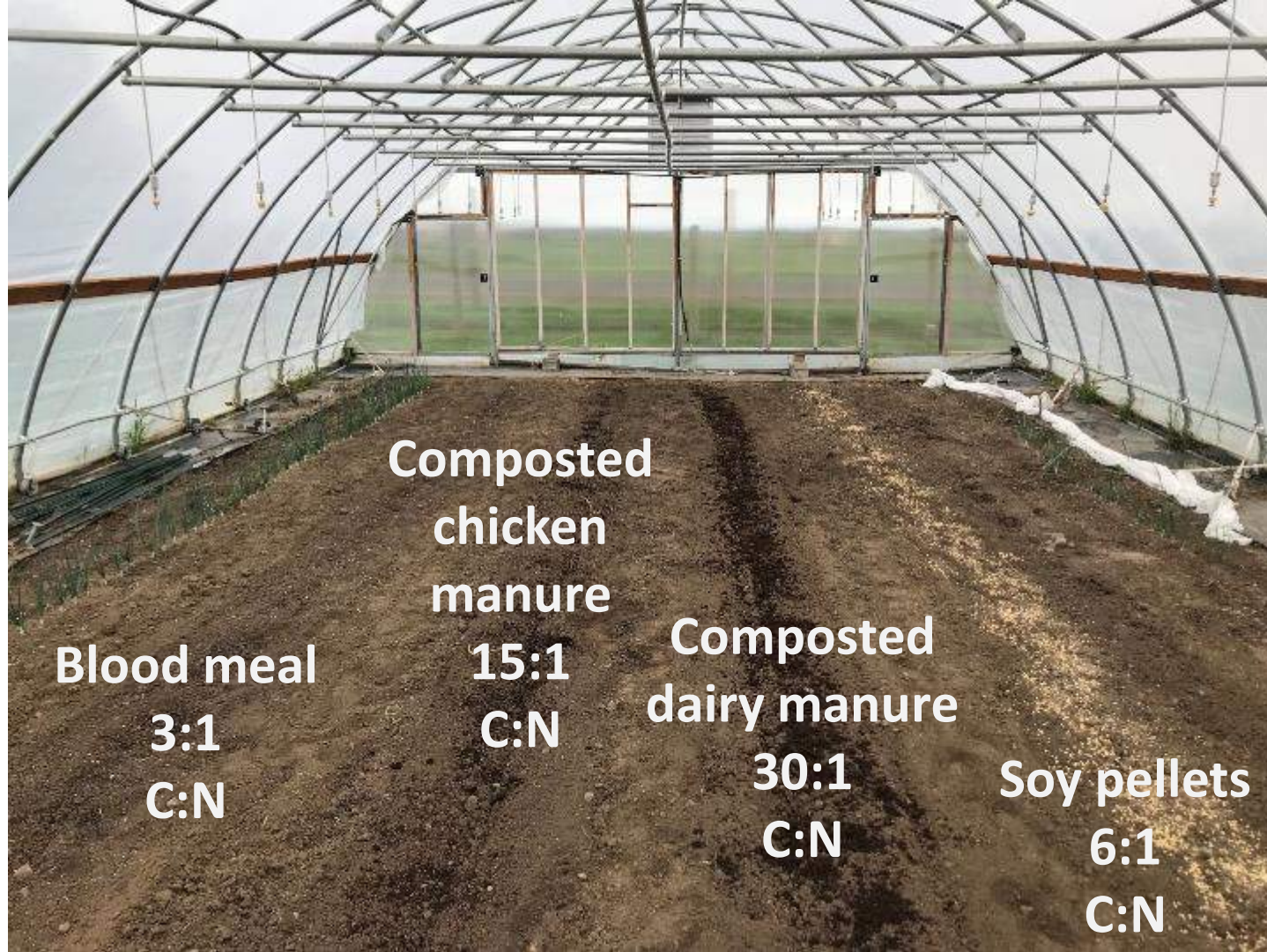


Season Extension Research Project

Organic Soil Fertility Management in Montana High Tunnels

Charlie Watt and Dr. Mac Burgess





4 treatments
with varying
C:N ratios

Blood meal
3:1
C:N

Composted
chicken
manure

15:1
C:N

Composted
dairy manure

30:1
C:N

Soy pellets
6:1
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

