

PROS & CONS **LOW TUNNELS HIGH TUNNELS** Inexpensive Expensive Fast Payback \$\$ 1-2 year payback Limited crops in **Diverse crops** Short-lived Long-lived · Work by hand Tractor accessible • Not as sturdy Easy Rotations Sturdy in weather Yearly labor high Hard to Rotate







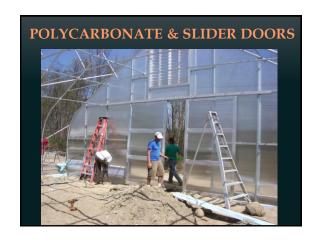








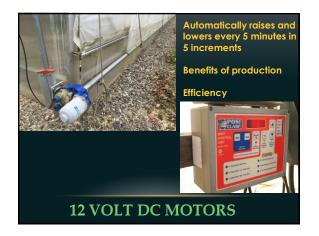






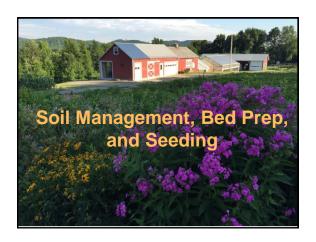






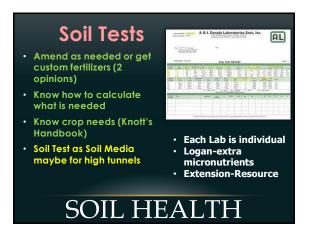


MOSTLY SUN DRIVEN SYSTEM LIMITED HEAT THERMOSTAT 21 DEGREES UNDER COVER EMERGENCY HEAT FOR HARVESTING



HIGH TUNNEL SOIL MANAGEMENT Soil Tests Fertilizers Organic Matter Mulching Compost Cover Crops Irrigation Greenhouse Amendments





Soil Tests

- Micronutrients important
- Ask for full soil analysis
- Bargain at any price!
- No longer 3 major nutrients
- Spread evenly to get all nutrients up to proper levels
- · Side-dressing of Nitrogen is common
- pH must be in proper range (6.5+); Adjust with lime or sulfur per recommendations

SOIL HEALTH



LIQUID MICRONUTRIENT APPLICATIONS

- Even distribution Tank Mix
- **Spring or Fall**



50 GAL 3 PT HITCH HYDRAULIC **SPRAYER W 100' HOSE**

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..uu 0.00 22% Total P2O5 0 0 00

LOTS OF ORGANIC FERTILIZERS OUT THERE

- Know the numbers
- OMRI-approved & listed Multiple nutrients
- What's needed in your soil

CUSTOM BLEND FERTILIZERS

- 20# Solubor (20% B)
- 16# Copper Sulfate (25% Copper)
- 400# Feather Meal
- 200# Humates
- 1214# Peanut Meal
- 100# Elemental Sulfur (90% S)
- 50# Zinc Sulfate (20% ZN)

GIVE SPECIFICS-POUNDS/ACRE & CUSTOM MADE BASED ON SOIL TEST

CUSTOM BLEND FERTILIZERS

- · Consider cost at \$800 per ton
- Spread at rate of 500# per acre to add 60# of N per acre
- Covers 4 acres and cost is \$200 per acre
- One acre on our farm grosses approximately \$30-65,000 per acre
- GREAT VALUE & Deals with all Nutrients





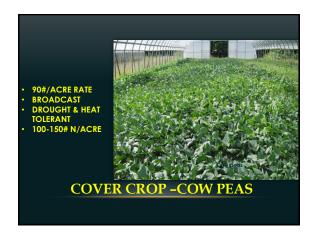










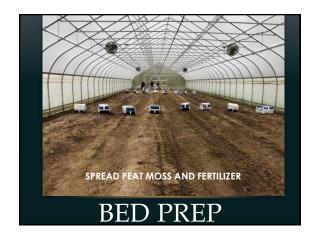










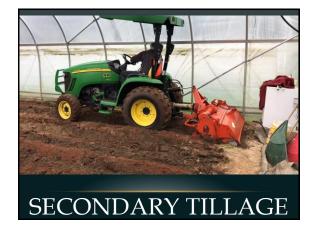




















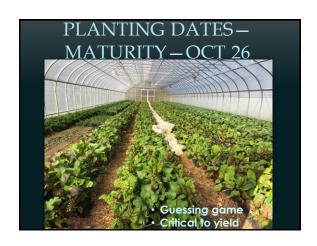


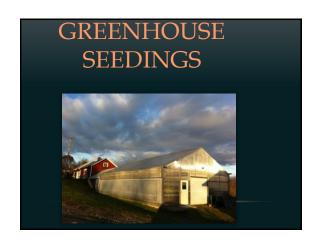
















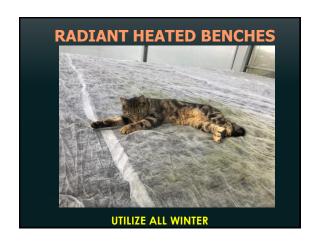




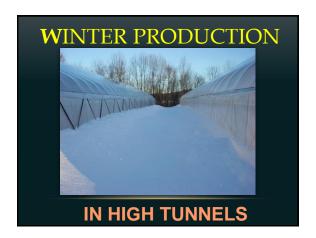


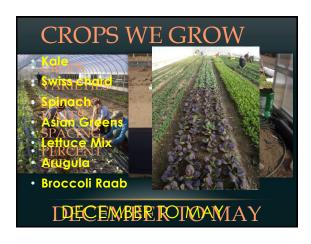














AMERICA TYEE BAHAMAS QUEEN CORVAIR **RACCOON CROCODILE RED KITTEN DONKEY REFLECT EMILIA REGIMENT EMU SAMISH ERSTE ERNTE SEVEN GRN SPACE GIANT WINTER LAZIO SPARGO LOMBARDIA ST HELENS MENORCA TARPY** SPINACH—ALWAYS DOING TRIALS! CHANGING! 24 VARIETIES FOR 2011-12















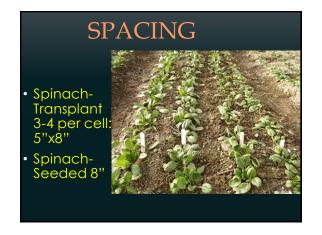


















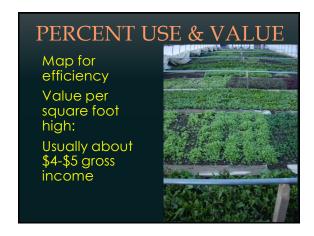








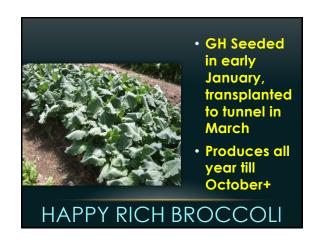












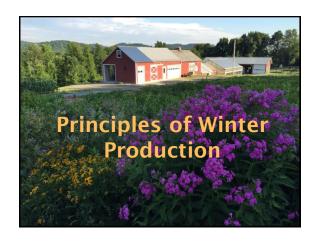


































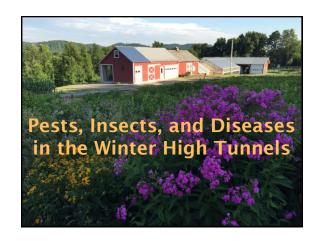










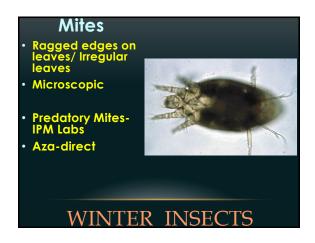
















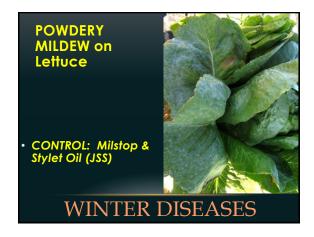














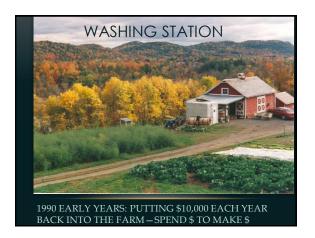




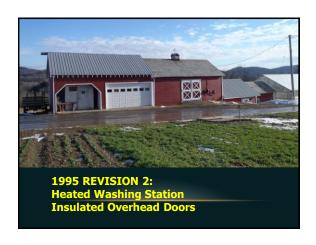




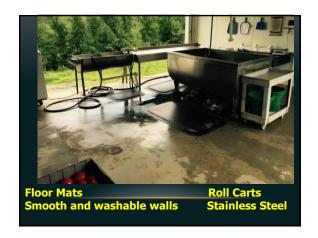


















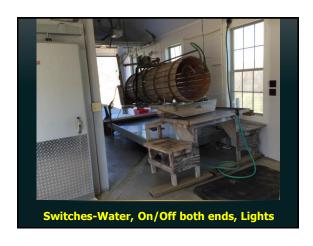




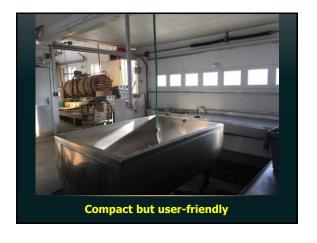


































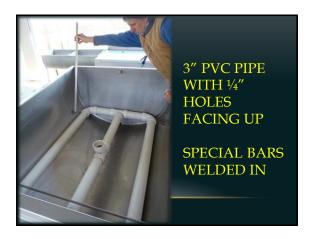




















































WHY TECHNOLOGY ON PVF?

- Avoid Disasters
- Peace of Mind
- Notifications when away
- Training
- Improvement of systems
- Efficiency of time
- Checking on status
- Improves communication
- Increases accuracy of growing data

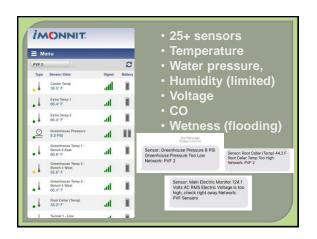
WHAT TECHNOLOGY ON PVF?

- Monnit Monitoring system
- Cameras
- Davis Weather System
- Farm Truck Monitoring-"Automatic"
- olpad usage-Market
- Ipad usage-Washing Station
- •WiFi





















Internet & WiFi

- WiFi on 80% of main farm
- Allows all tech to function, it's the backbone
- iPads can function anywhere
 - Only need cell plan for markets
- Makes installing new tech easy (ex: WiFi thermostat in high tunnel? Easy)
- · Better communication between workers
- Can view cameras without internet from most of farm (saves mobile internet)



