

# e-GRO

#### Fan and Pad Considerations

#### Air Flow

- Fan number and size
  - 8 cfm/ft<sup>2</sup> (some correction for altitude and light)
  - 0.1 static water pressure
  - No more than 25 feet apart
- Vent/Pad size
  - Based on fan size
  - 4" thick pad requires 0.5 gal water/min/linear foot
  - 6" thick pad requires 0.75 gal water/min/linear foot





# <image>

# e-GRO

#### Combination

- Both winter and summer systems in same greenhouse
- · Both active and passive systems
- · Multiples of systems to increase efficiency

#### e-GRO Electronic Grower Deline

### Combinations

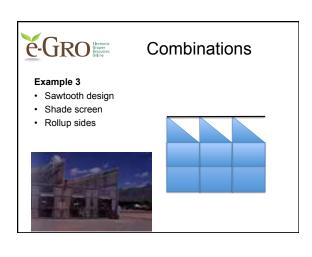
#### Example 1

- Roof vent (Winter) Fan & louvers (Spring/
- Fall)

  Fan and Pad (Summer)
- Fan and Pad (Summ
  Shade screen

# Example 2 Gable vent (Winter)

- Rollup sides (Spring/Fall)
- Fan and vent (Summer)
- White wash (Summer)



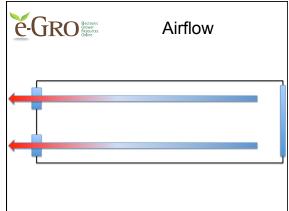
#### e-GRO Hectronic Grower Online

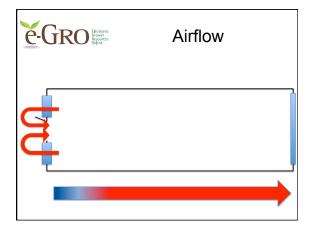
## More on Airflow

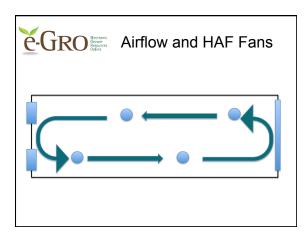
- Air will always take the path of least resistance
- Do not create turbulent air

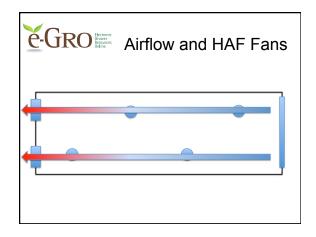


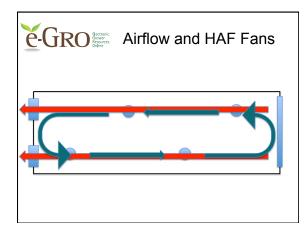












# CGRO

- Exhaust fans and open rollup sides
- Exhaust fans and open ridge vents
- Too short of span between fans and vents
- HAF fans running and open ridge vent
- HAF fans running with open rollup sides





