

e-GRO

Fan and Pad Considerations

Air Flow

- Fan number and size
 - 8 cfm/ft² (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>

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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

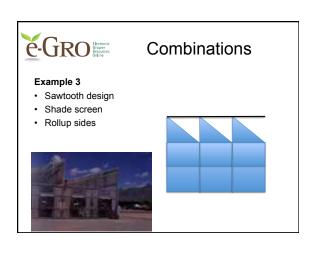
Example 1

- 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)



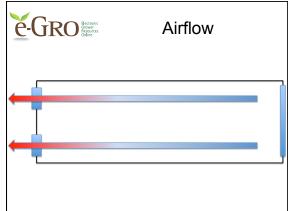
e-GRO Hectronic Grower Online

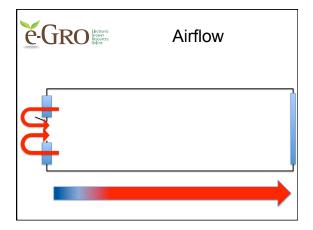
More on Airflow

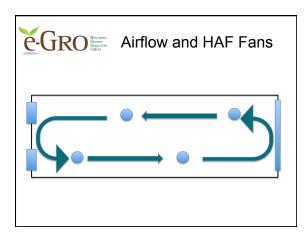
- Air will always take the path of least resistance
- Do not create turbulent air

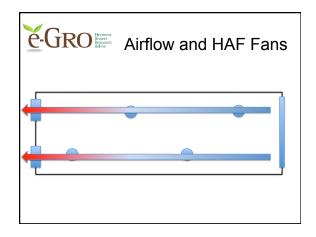


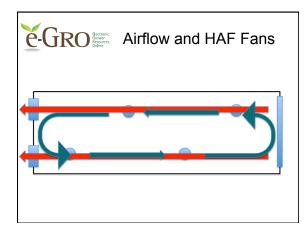












CGRO

- 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





