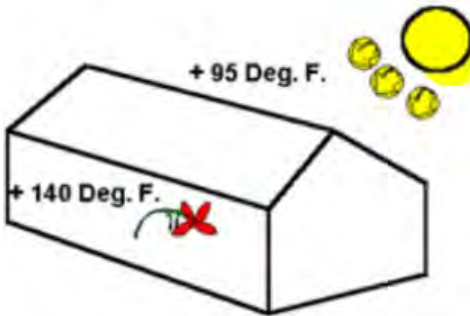


What type of cooling system do I need for my greenhouse?

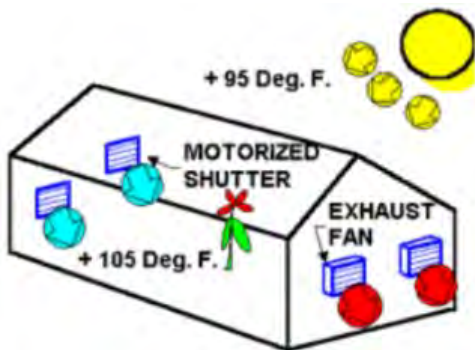
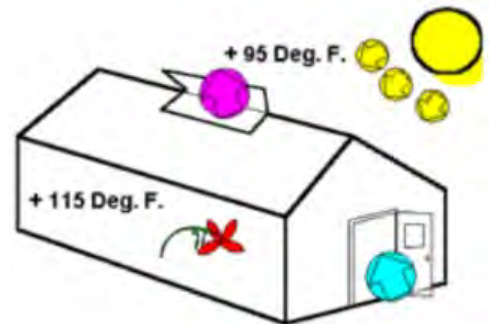


NO COOLING

1. Inside temperature of greenhouse can exceed 140 degrees F.
2. Plants will die within a short period of time.

NATURAL VENTILATION

1. Roof vent opens to allow hot air to escape to outside.
2. Door or other opening must be left open to provide for incoming air from outside to replace exhausted air.
3. On hot summer days temperatures can rise 20 to 30 degrees above outside temperature.
4. Recommended for mild climate areas only.

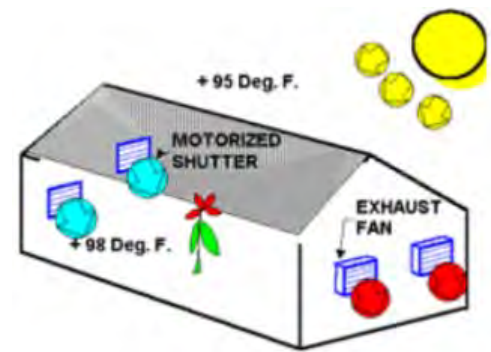


FAN & SHUTTER COOLING

1. Outdoor air is introduced through motorized inlet shutters.
2. Hot air is exhausted by exhaust fans.
3. Temperature inside house can be maintained within 10 degrees of outdoor temperature with properly designed system.
4. Fans and shutters are controlled by thermostat.

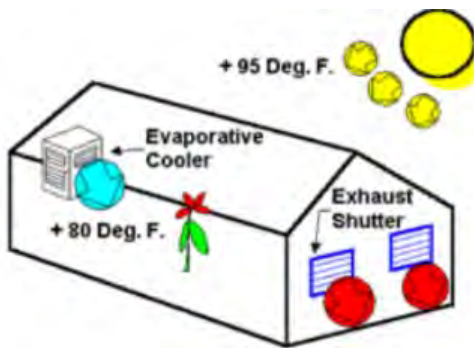
FAN & SHUTTER COOLING WITH SHADE CLOTH

1. Outdoor air is introduced through motorized inlet shutters.
2. Hot air is exhausted by exhaust fans.
3. Shade cloth is placed over exterior of greenhouse or suspended from wires places on inside.
4. Temperature inside house can be maintained within 3 to 4 degrees of outdoor temperature with properly designed system.
5. Fans and shutters are controlled by thermostat.



EVAPORATIVE COOLING (POSITIVE PRESSURE)

1. Outdoor air is cooled by Evaporative Cooler (located outside) and discharged into greenhouse.
2. Hot air is exhausted through outlet shutters that operate automatically on pressure differential.
3. Temperature inside house can be as much as 10 to 15 degrees cooler than outdoor temperature with properly designed system.
4. Evaporative Cooler is controlled by thermostat.
5. System efficiency can be increased with the use of shade system. The fans will not have to work as hard to maintain the desired temperature.



EVAPORATIVE COOLING (FAN AND PAD)

1. Outdoor air is drawn through pad cooling
2. system located on one end wall of the greenhouse. This cool air enters into the greenhouse.
3. Hot air is exhausted by fans mounted on the opposite end wall of the greenhouse.
4. Temperature inside house can be as much as 10 to 15 degrees cooler than outdoor temperature with properly designed system.
5. Fan & Pad System is controlled by thermostat.
6. System efficiency can be increased with the use of shade system. The fans will not have to work as hard to maintain the desired temperature.

