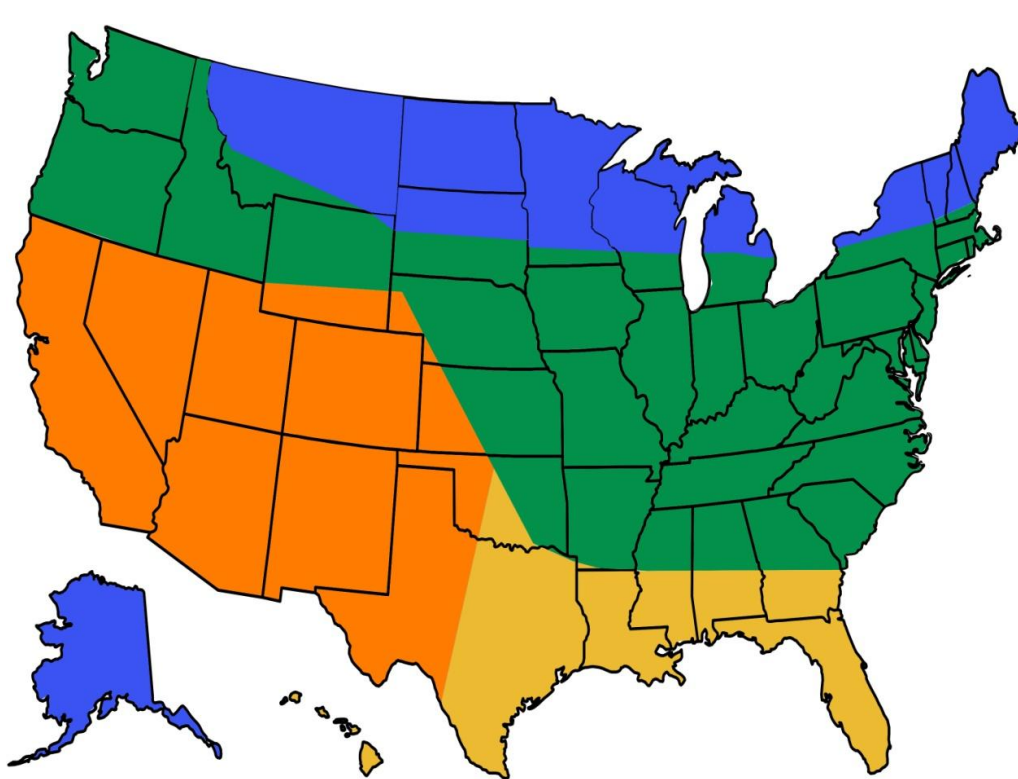






Greenhouse Recommendations Based on Location



-  = Northern Tier States and Alaska
-  = Northwest, Central, and Eastern States
-  = Southern States and Hawaii
-  = Southwestern States

Northern Tier States and Alaska – These states are characterized by extreme low temperatures and greatly reduced sunlight during the winter months. Energy-efficient greenhouses should be designed with insulated glass, which may include triple pane glass in some cases. The glass selected should be a high performance option which allows greater light transmission and solar heat gain, like LoE 272. Greenhouse accessories should include larger sized heaters and grow lights for successful year-round growing.

Northwest, Central, and Eastern States – These states are characterized by more moderate temperatures that may exceed both the high and low temperatures of the plant growing range. Most greenhouses will require insulated glass, like LoE 272, but some areas or plants may require less light transmission and solar heat gain and require LoE 240 in the roof glass. Depending upon plant requirements heaters and grow lights may be required for the winter, and evaporative coolers and shades may be needed for the summer.

Southern States and Hawaii – These states are characterized by extreme high temperatures and/or extreme sunlight intensity. Most greenhouses will require insulated glass, but some may be designed with monolithic (single pane) glass. Most greenhouses may consider LoE 240 in the roof glass to reduce light transmission and solar heat gain, especially in the summer. Most greenhouses will require evaporative coolers and/or shades for the summer season. Heaters are required for most areas and plant types.

Southwestern States - These states are characterized by extreme sunlight intensity. Most greenhouses will require insulated glass, but some may be designed with monolithic (single pane) glass. Most greenhouses may consider LoE 240 in the roof glass to reduce light transmission and solar heat gain throughout the year. Temperatures can experience extreme fluctuations between winter and summer and most greenhouses will require evaporative coolers and/or shades for the summer season and heaters for the winter.

Note: These are general climate characteristics for regions of the U.S. This information is intended for initial greenhouse design. For best greenhouse performance, location specific data must be used in conjunction with your greenhouse consultant.