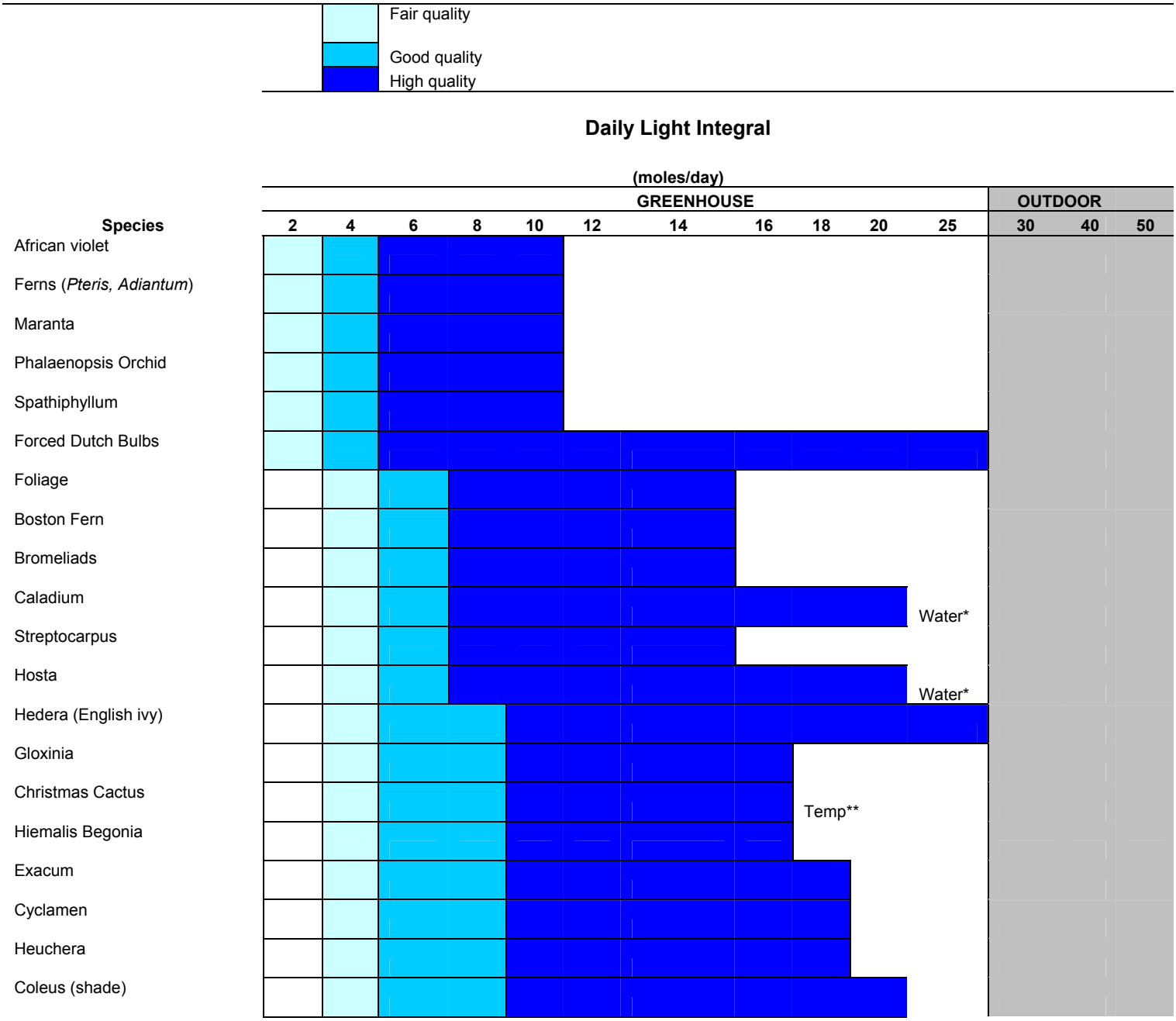
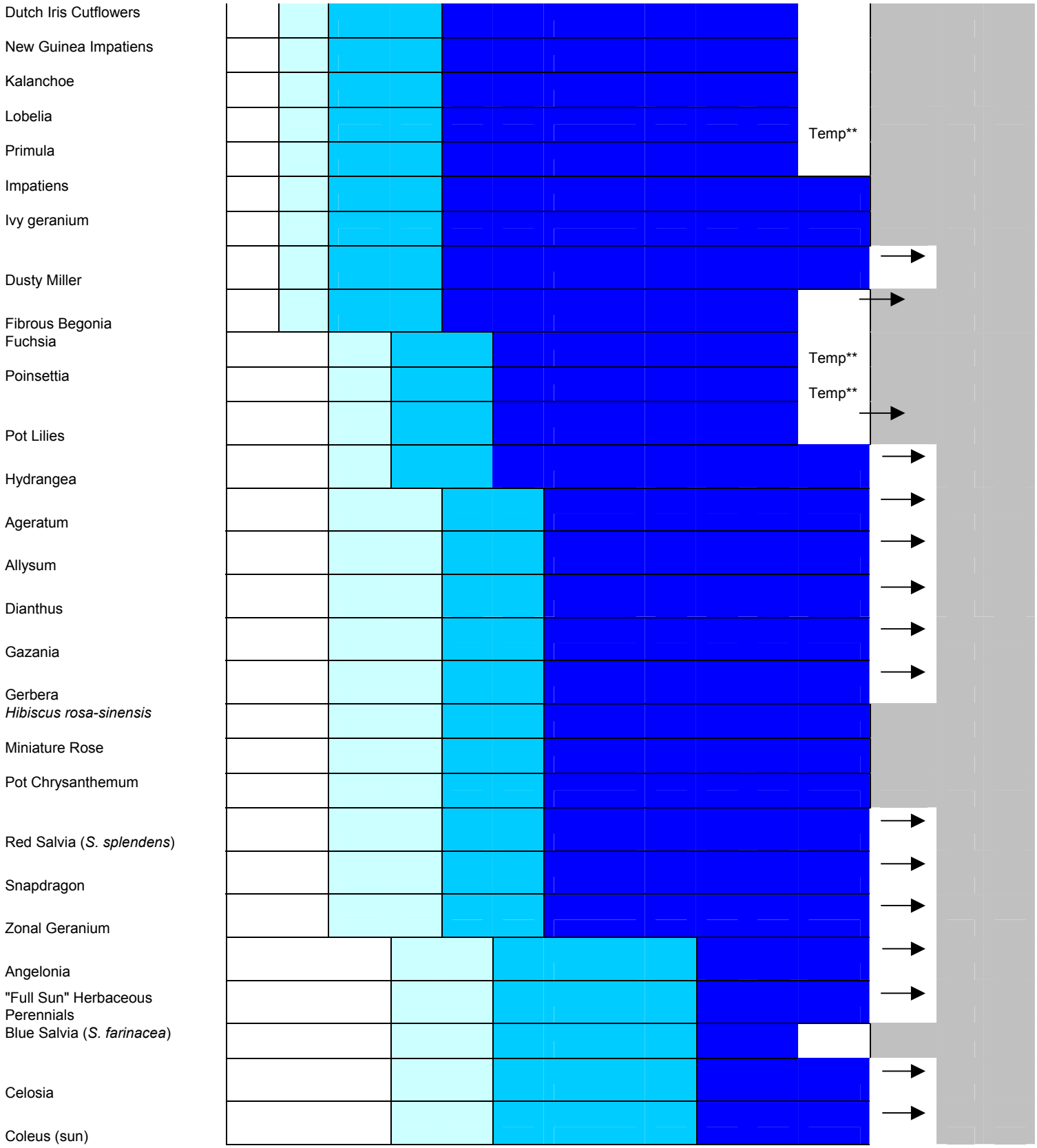
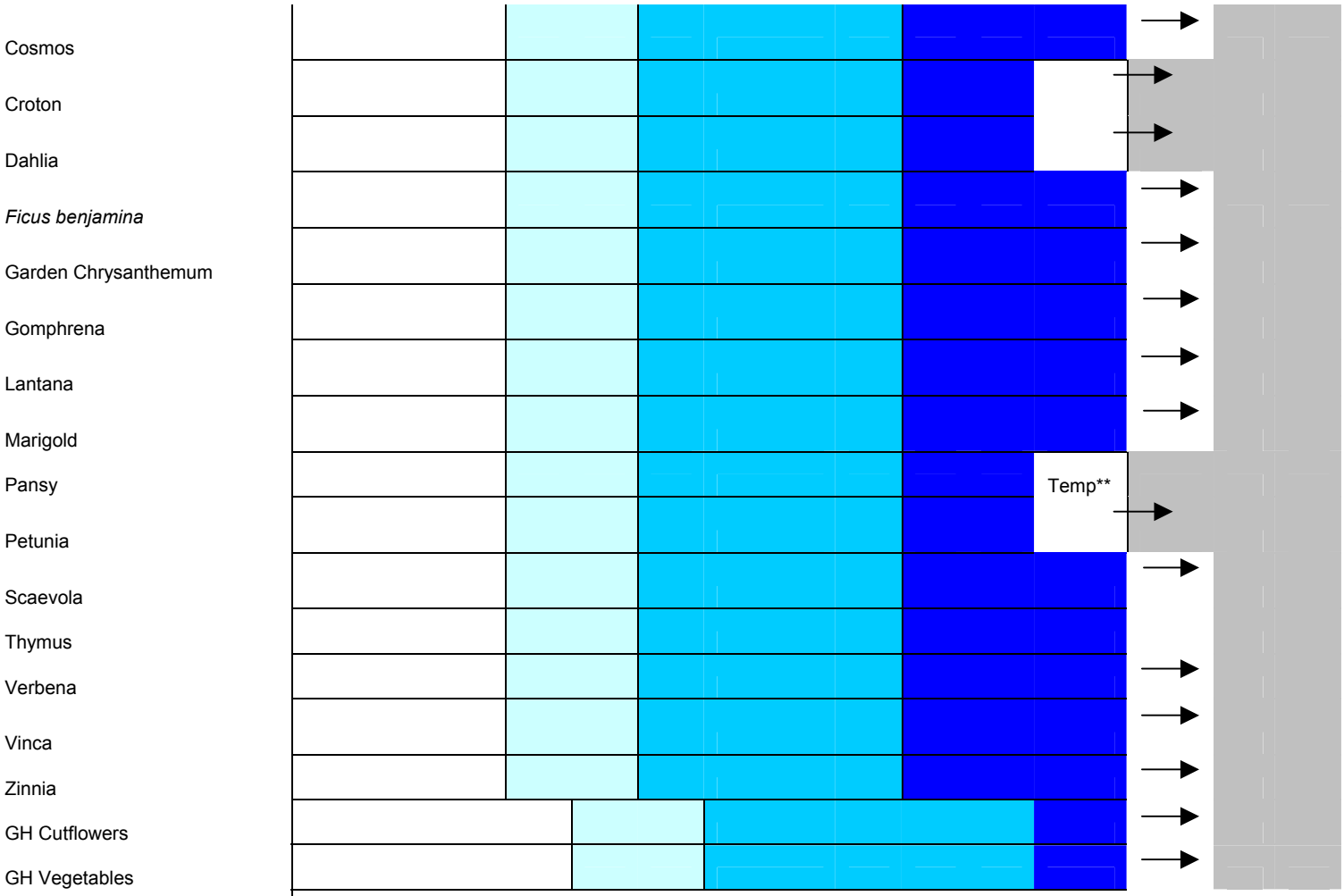
This table differentiates between the light levels required for minimal acceptable quality, good quality and high quality crops. These are subjective categories, but the intent is to demonstrate that plant quality improves as the daily light integral increases.

Table 1. Generalized responses of various greenhouse crops to daily light integrals.




Dutch Iris Cutflowers
New Guinea Impatiens
Kalanchoe
Lobelia
Primula
Impatiens
Ivy geranium
Dusty Miller
Fibrous Begonia
Fuchsia
Poinsettia
Pot Lilies
Hydrangea
Ageratum
Allysum
Dianthus
Gazania
Gerbera
*Hibiscus rosa-sinensis*
Miniature Rose
Pot Chrysanthemum
Red Salvia (*S. splendens*)
Snapdragon
Zonal Geranium
Angelonia
"Full Sun" Herbaceous Perennials
Blue Salvia (*S. farinacea*)
Celosia
Coleus (sun)
Temp**
Temp**
Temp**




*Water-Requires ample water to perform well at high light levels
**Temperature-Requires cool or moderate temperatures to perform well at high light levels
Arrows indicate that the species continues to perform well in full-sun outdoor conditions