

# Red/Blue Light Influence on Crops

## By Plant Development Stage

### BENEFITS FOR CROPS

Throughout Plant Lifecycle Red / Blue Light Promotes  
Flavonoid and Terpene Development

#### Development Phase

Germination:

- Red can trigger germination in photoblastic seeds like beets, tobacco, carrots, lactuca sativa lettuce.

Seedling:

- Red / Blue balance aids in:
  - Strong and deep root structures and
  - Stem/ leaf development

Vegetative Growth:

- Red: Maximizes leaf development
- Blue: Balances the red to prevent stem elongation

Flowering Stage and Fruit Development

- Red: Promotes fruit set
- Red and Far Right Red: Timing of flowering
- Blue: Promotes flowering

### BENEFITS FOR GROWERS

5-year UV warranty:

- Color will not fail due to UV
- HDPE is expected to last 10-15 years

Easy Install:

- No need for trained installers, just lay it out
- Can hang with twist ties (UV protected)

Crop Quality:

- Flavor, color, nutritional content
- Timing of grow