

MEIRYO®



Agricultural Heat Shielding Material without Blocking Visible Light.

MEIRYO® is uniquely designed to lower greenhouse temperatures without blocking out the sunlight necessary for optimal growing conditions.

MEIRYO® is a CLAF®-based non-woven fabric which uses a shielding material to reflect the sun's infrared(IR) and disperse its ultra-violet(UV) rays while allowing transmission of visible light, the energy source needed for plant photosynthesis. Ventilation is achieved through our open mesh structure which further contributes to reduction of the ground surface temperature.

Product of

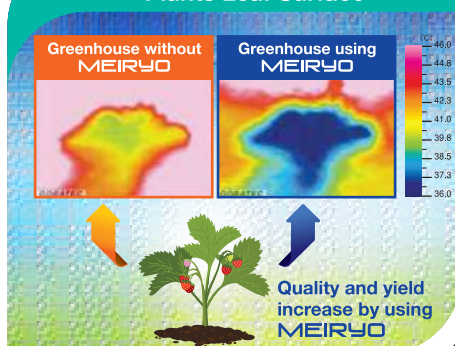


JX Nippon ANCI Corporation Japan

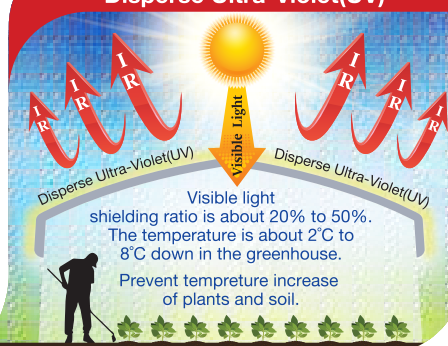
Greenhouse Using MEIRYO



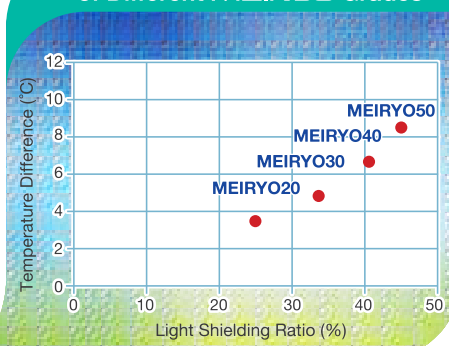
Temperature Comparison of Plants Leaf Surface



Reflection of Infrared Rays(IR) Disperse Ultra-Violet(UV)



Heat Shielding Efficiency of Different MEIRYO Grades



※ Any properties listed herein are provided as information only and in no way create any warranty.

Characteristics of MEIRYO

- ▶ **Added Special Additive** ➡ **Bright but Cool**
 - i. Reflect infrared light(IR) to lower greenhouse temperatures without blocking the sunlight which is necessary for optimal growing.
 - ii. Lower Ultra-Violet(UV) transmittance.
 - iii. Light shielding ratio is 20%, 30%, 40% and 50%.
- ▶ **Added UV Resistant** ➡ **Superior Durability**
- ▶ **40% Open Area Ratio** ➡ **Excellent Breathability**
- ▶ **Lightweight** ➡ **Easy Construction**
- ▶ **Thermal Fusion Bonding** ➡ **High Dimensional Stability and No Joint Slides**
- ▶ **Water and Chemical Resistant**

Physical Properties of MEIRYO

Type	Light Shielding Ratio	Weight (g/m ²)	Tensile Strength (N/50mm)	
			MD	CD
MEIRYO 20	20%~25%	37≤	190≤	230≤
MEIRYO 30	30%~35%	40≤	210≤	250≤
MEIRYO 40	40%~45%	44≤	200≤	220≤
MEIRYO 50	45%~50%	54≤	230≤	250≤

For more enquiries, please contact:

