

LIQUID SHADING TO PROTECT YOUR GREENHOUSE CROP

WHAT IS LIQUID SHADING?

Liquid shading is a coating that is applied annually on the greenhouse roof/cover to protect your crop in spring or summer when light intensity gets too high. The coating reduces the temperature in the greenhouse by reflecting light and/or heat and improves the greenhouse climate during warm periods. Coatings can be easily removed at the end of the season to allow maximum light levels in the winter.



WHAT ARE THE BENEFITS OF USING SHADING COATINGS?

Benefits of using coatings:

- Easy to use: you only have to mix the coating from the bucket with water and spray it on your greenhouse.
- Flexible to use: apply and remove the shading coating whenever you want.
- Coatings reduce the heat and the greenhouse temperature which is beneficial for both the crop and the people working in the greenhouse.
- With a moveable screen the light and heat still get into the greenhouse, while coatings keep the excess light and heat outside the greenhouse.
- With a partly closed screen, part of crop is getting full light and part is getting less light (shadow). Coatings always ensure for even light distribution in the greenhouse. Using a coating results in the crop getting more light.

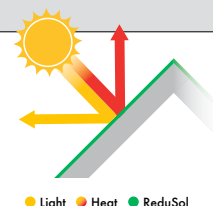
WHAT LIGHT DO YOU NEED IN YOUR GREENHOUSE?

I WANT LESS LIGHT AND HEAT

ReduSol is a liquid shading agent that shades the light and heat.

The coating protects against excess stress.

- Adjust shading percentages to crop needs.
- Lowers greenhouse temperature.
- For maximum shading.

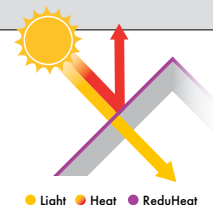


I WANT LESS HEAT BUT KEEP ENOUGH GROWTH LIGHT

ReduHeat is a removable coating that blocks the heat rays (infrared) of the sun.

The transmission of growth light (PAR) remains high.

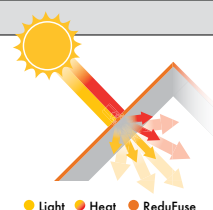
- Better yield and quality.
- A better climate through less ventilation.
- Even climate with no peaks.



I WANT DIFFUSE LIGHT

ReduFuse distributes sunlight in the greenhouse. The even light distribution ensures optimal growth of the crop and thus potentially more production and better quality.

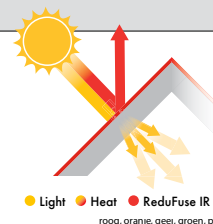
- Light penetrates deeper into the crop.
- More photosynthesis in lower leaves.
- Healthier crop, better quality and less stress in the crop.



I WANT DIFFUSE LIGHT AND LESS HEAT

ReduFuse IR distributes sunlight in the greenhouse and protects the crop from heat radiation. That improves growth and production.

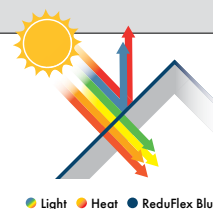
- High reflection of heat radiation.
- Lower temperature in the greenhouse.
- Less stress in the crop.



I WANT TO IMPROVE THE PRODUCTION OF ROSES

ReduFlex Blue is a photo-selective coating which has a beneficial effect on the cultivation and production of cut roses because it transmits relatively less blue light than red light.

- Longer stems in roses.
- Prevents overly high plant and bud temperatures.
- Better quality due to less blackening of buds.



HOW DO I APPLY THE COATING?

MANUAL

- Grower can apply the coating with commonly available spray equipment.
- Good alternative if application with a machine is not an option.



MACHINE

- Yields the best quality
- Beautifully even spray pattern; the coating is of the same thickness
- No loss of product due to efficient method of working.
- Very safe method of working.
- Requires workmanship and well maintained equipment.



HOW DO I REMOVE THE COATING?

ReduClean has been specially developed to easily remove ReduSystems coatings from the greenhouse cover. For diffuse coatings, use ReduClean for diffuse coatings.

- ReduClean makes ReduSystems coatings water-soluble. Rain then washes away the coating
- Suitable for any greenhouse cover: glass and all types of plastic.



DO YOU WANT TO KNOW WHICH COATING WORKS BEST FOR YOU?

There is an ideal coating for every situation. Based on your crop, greenhouse, location, and climate, the ReduWizard on the ReduSystems website calculates the best solution for your situation. Simply enter location, crop, and greenhouse properties to receive customized advice.

Use the ReduWizard for your personalized advice or contact us for more information and technical advice.

REDUSYSTEMS.COM/REDUWIZARD →

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TasmanCrop

ReduSystems® is the global leading brand in developing coatings and cleaners for greenhouse cultivation. The products control the incidence of natural light and heat to optimise the climate for the crop in every season - from a cooler climate in summer and more light in winter, to diffuse light and changing the light spectrum.

ReduSystems is a brand of Lumiforte®