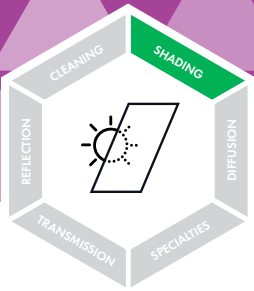


REMOVABLE GREENHOUSE SHADING FOR MORE GROW-LIGHT AND LESS HEAT



ReduHeat is a removable coating that reflects the heat rays (infrared) of the sun. The transmission of grow light (PAR) remains high.

Every shading agent has its strong features. The agent that best suits your situation mainly depends on the crop and sometimes the variety. General shading coatings provide shade from the sunlight across the whole spectrum. However, if the crop is suffering from heat, but it could still convert light into production, ReduHeat is a better choice. This coating shades the plants from infrared light, which warms up the plants and lets more grow light through. It is suitable for crops that thrive on large amounts of light but need protection against heat.

PROPERTIES

- ✓ Suitable for glass, acrylate, polycarbonate, and plastic film.
- ✓ Highly wear-resistant.
- ✓ Easily combined with other ReduSystems products.
- ✓ Potentially higher yield and better quality.
- ✓ Fastest drying time compared to other IR-reflecting coating.
- ✓ Shading Infrared Radiation (IR).
- ✓ Admitting Photosynthetic Active Radiation (PAR) light.



SPRING



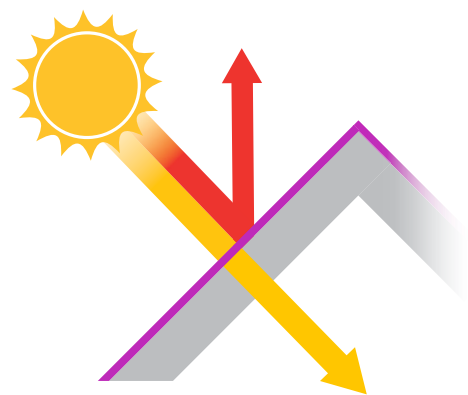
SUMMER



AUTUMN



WINTER



● Light ● Heat ● ReduHeat

HOW TO APPLY?



DRONE



MACHINE



HELICOPTER



MANUAL

The best and longest-lasting results, with optimum light transmission, are obtained when ReduHeat is applied to a clean, dry greenhouse roof, as follows:

- ✓ Apply ReduHeat only under fast-drying circumstances. ($T > 10^{\circ}\text{C}/50^{\circ}\text{F} + \text{RH} < 80\%$)
- ✓ Fill the mixing tank with the required quantity of clean water and add ReduHeat, stirring continuously.
- ✓ Stir the spray liquid frequently during the application.
- ✓ Apply ReduHeat evenly to the greenhouse surface.
- ✗ Do not use any non-ReduSystems shading products in combination with ReduHeat.
- ✗ Do not apply when rain is expected within 12 hours, respect drying time.

BUCKETS PER HECTARE	BUCKETS PER ACRE	NET PAR SHADING	NET NIR SHADING
25	10	35%	55%
20	8	26%	45%
15	6	17%	32%

Values are based on Wageningen University & Research measurements. The values mentioned are the maximum shading values possible and applied in laboratory circumstances. Depending on the application method, weather, and greenhouse type, shading values in practice can differ.

Note: The number of buckets (each containing 15KG/3.57 US gal) can vary depending on the crop, climate, and type of greenhouse. **Products need to be mixed with water,** and the total amount of spraying liquid (water + coating) varies according to the application method. Net shading does not include structure.

HOW TO REMOVE?

- ReduHeat can be easily removed using ReduClean. For optimal results, dilute 250 liters of ReduClean per hectare (26 US gal/acre) with water at a ratio of 1:5 to 1:7. Ensure it is evenly spread over a dry greenhouse surface. Do not spray during rainy conditions or when strong winds exceed 2 m/s.
- When cleaning mechanically allow ReduClean to soak minimal 15 minutes before brushing. Alternatively, ReduClean can be applied when a considerable amount of rain is expected within one week. The rain will wash off the ReduHeat layer.



Contact us for more information and technical advice:

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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®

ReduSystems®