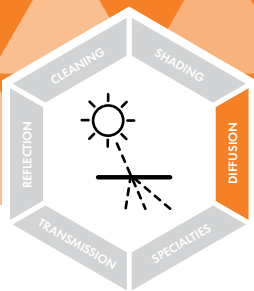


## REMOVABLE GREENHOUSE COATING FOR DIFFUSED LIGHT



ReduFuse distributes sunlight in the greenhouse. The even light distribution provides optimal growth of the crop and thus potentially more production and better quality. A diffuse coating ensures that the light is distributed better in the greenhouse, both horizontally and vertically. Due to the evenness of the light, the crop experiences less stress and grows better. In addition, the light penetrates deeper into the crop. The leaves further down in the crop become much more active due to this light increase.

ReduFuse is suitable for all crops that need large amounts of light and has proven to be successful for vegetable crops and highly light-dependent flowers and plants.

### PROPERTIES

- ✓ Best suited for glass greenhouses, but can also be used effectively in structures made of acrylate, polycarbonate, and plastic film.
- ✓ Highly wear-resistant.
- ✓ Easily combined with other ReduSystems products. Note: when using multiple layers, ReduFuse should always be the first layer on the greenhouse.
- ✓ Potentially higher yield and better quality.
- ✓ Distributes incoming PAR light evenly in the greenhouse.
- ✓ The light penetrates deeper into the crop.
- ✓ Net photosynthesis increases.
- ✓ Very high light transmission.



● Light ● Heat ● ReduFuse



SPRING



SUMMER



AUTUMN



WINTER

DO YOU WANT TO MAKE OPTIMAL USE OF SUNLIGHT ALL YEAR ROUND?

[REDUSYSTEMS.COM](https://www.redu.com)

## HOW TO APPLY?



**DRONE**



**MACHINE**



**HELICOPTER**



**MANUAL**

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

- ✓ Apply ReduFuse 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 ReduFuse, stirring continuously.
- ✓ Stir the spray liquid frequently during the application.
- ✓ Apply ReduFuse evenly to the greenhouse surface, preferably using a spraying machine.
- ✗ Do not use any non-ReduSystems shading products in combination with ReduFuse.
- ✗ 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	HORTISCATTER
14	6	3%	4%	49%
12	5	2%	4%	41%

**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/3.92 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?

- ReduFuse should be removed with ReduClean for diffuse coatings. Spray at least 250 liters of ReduClean for diffuse coatings 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.
- Only apply when the roof surface is dry, and a considerable amount of rainfall is expected within 2 days. Alternatively, in case of a marginal removal result, use a new application of ReduClean for diffuse coatings combined with a brushing machine to ensure proper removal.



**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®**