

ReduSystems®

The bright side of growing



SHADING

Effective protection against excess heat and/or light

www.redusystems.com

ReduSol®

A practical and versatile shading agent



What is ReduSol?

ReduSol is a shading agent that reflects high levels of solar energy. It is wear-resistant and can be easily removed with ReduClean. For many years ReduSol is the obvious choice for protecting crops against excess heat and light.

Properties

- Best price-quality ratio on the market
- Up to 80% shading
- Wear and frost resistant
- Higher light transmission during rainfall
- Flexible in use, easily combined with other ReduSystems products
- Suitable for glass, acrylate, polycarbonate and plastic film
- Easy to remove with ReduClean

Application

ReduSol is a versatile shading agent that can be used in many different situations. Depending on the climate, both light-preferring and shade-preferring crops can benefit from a coating of ReduSol.

How to apply

For the best results, ReduSol should be diluted with a certain amount of clean water (depending on the application method) and sprayed evenly on a dry and clean greenhouse roof. The table below shows the number of buckets required and the effect on the greenhouse climate.

How to remove

ReduSol is easy to remove. Spray at least 250 litres of ReduClean per hectare, diluted with 5-7 parts of clean water, evenly on the desired roof area. (26 US gallon/acre)

Only apply when the roof surface is dry but rainfall is expected in the next few days. The rain will wash of the ReduSol layer.

For further information see
www.redusystems.com

Buckets per ha / acre	Heat reflection	Grow-light reflection (PAR)	Wear resistance
36 / 14	+++++	+++++	+++++
21 / 8	+++++	+++++	+++++
15 / 6	+++++	+++++	+++++
9 / 4	+++++	+++++	+++++

ReduHeat®

High grow-light transmission and effective heat reflection



What is ReduHeat?

ReduHeat is a protective agent containing a special pigment that transmits grow-light (PAR) while reflecting most of the heat radiation.

Properties

- High levels of grow-light (PAR) transmission
- High reflection of heat radiation (infrared)
- A better climate due to lower ventilation requirements
- An evenly balanced climate without peaks
- Suitable for glass, acrylate, polycarbonate and plastic film
- Highly wear-resistant
- More comfortable work conditions
- Easy to remove with ReduClean

Application

ReduHeat provides an optimal balance of light and temperature. It is suitable for crops that thrive on large amounts of light but need protection against heat.

How to apply

For the best results, ReduHeat should be diluted with a certain amount of clean water (depending on the application method) and sprayed evenly on a dry and clean greenhouse roof. The best layer is obtained when sprayed by machine. The table below shows the number of buckets required and the effect on the greenhouse climate.

How to remove

ReduHeat is easy to remove. Spray at least 250 litres of ReduClean per hectare, diluted with 5-7 parts of clean water, evenly on the desired roof area. (26 US gallon/acre)

Only apply when the roof surface is dry but rainfall is expected in the next few days. The rain will wash of the ReduHeat layer.

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Buckets per ha / acre	Heat reflection	Grow-light reflection (PAR)	Wear resistance
44 / 18	+++++	+++++	+++++
33 / 13	+++++	+++++	+++++
27 / 11	+++++	+++++	+++++
22 / 9	+++++	+++++	+++++

ReduSystems®

ReduSystems is the name of a group of removable coatings that gives the grower more control over their greenhouse climate. ReduSystems coatings are sprayed onto greenhouse roofs and are weather-resistant for the entire season. ReduSystems coatings can be removed at any time with ReduClean.

As no two situations are the same, ReduSystems prides itself on providing growers anywhere in the world with the solution they need. ReduSystems consists of three product lines:

SHADING

Effective protection against excess heat and/or light

Coatings that lower crop and greenhouse temperatures by reflecting heat-generating infrared light. The amount of grow-light that is transmitted depends on the choice of product.

DIFFUSION

Maximum light diffusion with minimum grow-light loss

Coatings that allow maximum sunlight diffusion, while maintaining high levels of grow-light transmission. The amount of heat radiation (infrared) that is reflected depends on the choice of product.

SPECIALTIES

Where innovations see the light

In the Mardenkro laboratory, new products are continuously developed in association with leading international research institutes, universities and growers. The specialties group consist of coatings designed for specific crops or climatic conditions. It also includes innovations that are to be tested further for efficacy in various crops.



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