ReduSol®

Universal shading agent!

ReduSol is a liquid shading agent for use in greenhouse horticulture that can be easily removed with ReduClean after the season. The shading effect can be adjusted by selecting the dilution factor that fits the respective crop. ReduSol is highly resistant to wear. This is reduced when higher dilution ratios are used.



Advantages:

- White even coating.
- Adjustable shading levels.
- Easy to apply.
- Highly resistant to wear.
- Diffuse light.
- Higher light transmission when wet.
- Easy to remove with ReduClean.
- Safe for humans and for the environment.

Technical information

ReduSol is a liquid shading paint for horticultural use. It gives an even, long-wearing shading coat. ReduSol can be applied in either thin or thick coats. When the shading season begins, ReduSol can be applied thinly. To increase the shading effect, simply spray on more ReduSol as the season progresses.
ReduSol can be removed easily, effectively and without any harm to the environment by applying ReduClean at the end of the season.

The major advantages of ReduSol:

- ReduSol forms an even layer for an optimal shading effect.
- ReduSol can provide light to heavy shading effects.
- ReduSol transmits more light when wet (rainy days or roof sprinklers).
- ReduSol is extremely resistant to frost, rain and the effect of UV radiation. If not applied too thinly, one application will last all season.
- ReduSol can be easily and safely removed with ReduClean.

For 1 hectare:				
Dilution ratio ReduSol : water	Number of buckets ReduSol	Shading effect in % when dry	Shading effect in % when wet	Wear resistance in weeks
1:1.5	40	82	61	25-28
1:2.0	33.5	78	56	21-23
1:3.0	25	72	47	18-22
1:4.0	20	67	41	16-18
1:5.0	16.5	58	35	10-14
1:7.0	12.5	44	25	6-9
1:10	9	23	12	5-7

The shading effect values in the above table are including glass and construction. If necessary ReduSol can be stored for a long period of time. Although it has to be stored frost free.



Application

ReduSol is a viscous liquid and is sold in 20 kg (approx. 16 ltr.) buckets. It is recommended to stir ReduSol briefly and then add it to clean water while stirring. ReduSol should be applied to a dry surface. In order to achieve a proper layer, it is important to spray during dry weather conditions. During spraying we recommend to keep stirring the spraying liquid. For 1 hectare you will need approximately 1500-2000 litres of spraying liquid.

Be aware that new materials (glass, plastic film, acrylic or polycarbonate) may be difficult to coat. They have to age for some time with UV and rain or cleaned with ReduClean.

ReduSol has to be applied on a dry surface. For good results it is important to spray during good drying conditions.

ReduClean

ReduClean easily removes ReduSol from glass, plastic film, acrylic and polycarbonate. A rain shower after using ReduClean is usually sufficient for a clean result. ReduClean is economical and safe for the user. ReduClean is sold in 10-litre and 25-litre containers.

Remarks:

- In order to prevent the pH value of water from changing, it is recommended to close the water basin before applying or Removing ReduSol.
- To guarantee efficient cleaning of the greenhouse, never use ReduSol in combination with other shading agents, other than ReduHeat.
- The use of roof sprinkler systems using surface water containing calcium or iron can hinder the removal process.
- For some types of plastic films it is recommended to rinse immediate after spraying ReduClean.

Environment

ReduSol and ReduClean do not contain any environmentally harmful ingredients. The Royal Decree on Greenhouse Horticulture (Koninklijk Besluit Glastuinbouw) (Regulation 2, section 1,d) of 21 February 2002 stipulates that it is legal to release rinse water into surface water if ReduClean is used on ReduSol.
Excessive visual pollution should be avoided by spraying ReduClean in advance of an considerable rain shower, so the reel water will be diluted sufficiently. It can also be avoided by using a lot of rinse water after spraying ReduClean.

