

Q-Heat



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Heat reducing shading agent



- Reflects heat radiation (NIR) from the greenhouse
- Retains light for growth (PAR)
- Adjustable shading percentage
- Easy to remove with Removit

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Q-Heat for a cooler greenhouse climate

Q-Heat is an adjustable shading agent with heat-reflective properties. The Q-Heat layer reflects heat radiation (NIR) and light from the greenhouse. This NIR reflection makes the climate considerably cooler while more valuable PAR light, which is essential for the crop, is transmitted than with conventional shading agents.

Maximum heat protection

For crops that need strong heat reduction, but do not want to block all growing light, Q-Heat can offer a solution. Normally screening materials reflect as much growing light as they do heat thermal radiation. The heat-reflective properties of Q-Heat exceed the light reflecting properties. In this way Q-Heat provides more heat protection than light protection in the greenhouse. However, for heat protection with maximum diffuse grow light and maximum wear resistance, we recommend D-GREE. Q-Heat can be applied to all greenhouses made of glass, polycarbonate, foil and acrylic.

Shading percentage

With Q-Heat it is easily possible to choose the most optimal shading percentage for your crop. By means of diluting, the right percentage of shading can be chosen. The table shows the percentage of shading in relation to the number of buckets of Q-Heat per hectare.

Buckets per hectare	% Shading in PAR +/-	% Shading in NIR +/-	% Haze (diffusivity)	Lifespan (weeks) +/-	Weather resistance
44	40%	70%	90%	21 - 24	Maximum
33	30%	65%	94%	18 - 20	Maximum
27	25%	60%	95%	15 - 17	Maximum
22	20%	50%	93%	12 - 14	Medium
17	15%	40%	91%	10 - 11	Medium

Lifespan is measured in average European weather conditions. Extreme weather conditions may slightly affect the values specified in the table.

Removal

Q-Heat can be easily removed at any time from the greenhouse deck with Removit. By spraying with Removit in the right dosage, the greenhouse roof will be clean again after a few showers. If there is no rain for more than a week, a repeat treatment may be necessary. You can also choose to rinse Q-Heat off with water immediately after spraying the greenhouse roof.

Environment, storage and application

Q-Heat contains no environmentally harmful components and complies the Dutch discharges decree. Q-Heat must be stored frost-free. The product has a shelf life of two years. If Q-Heat is older than one year, it must first be stirred in the bucket before adding it to clean water. Q-Heat should be applied when the weather is dry, above 5°C and when no rain is expected.

More information

For more information on these or other products please contact your local Royal Brinkman account manager or contact Royal Brinkman International: +31 174-446100.

More information is also available on our website: www.royalbrinkman.com