



GREENHOUSE SHADER



DOĞAL

KİMYEVİ MADDELER ve ZİRAİ İLAÇLAR A.Ş.

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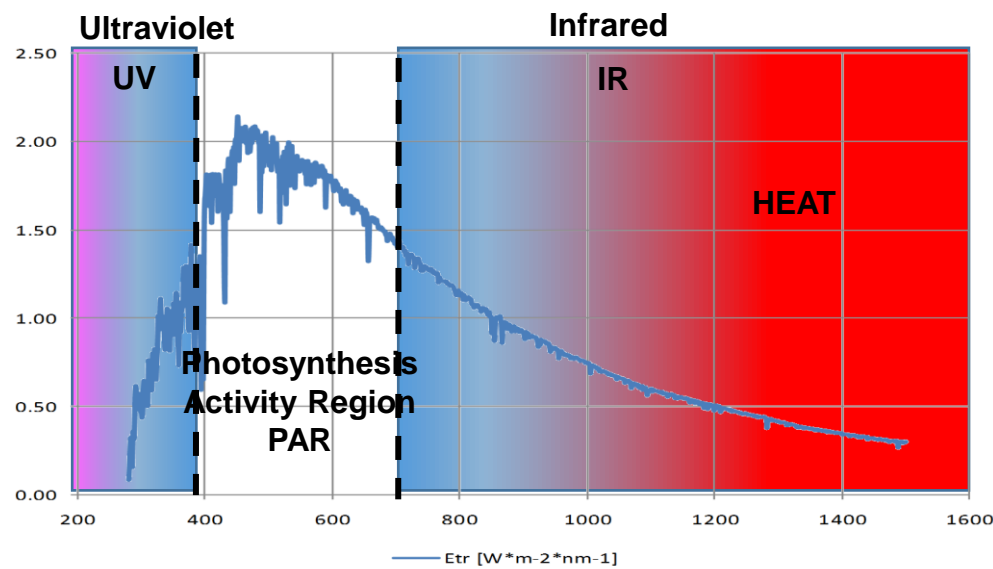


Sunlight is one of the key inputs for crop growth but excess sun light can cause crop damage & yield loss



SOLAR STRESS AND SUN DAMAGE

- Excess UV & IR lights and high temperature in green house
 - Difficult environment for worker, lower efficiency of worker
 - Slowdown of photosynthesis
 - Higher transpiration, higher water and energy consumption
 - Lower yield and low quality
 - High cost of production





GREENHOUSE SHADER EFFECT

- Prevent excess UV & IR
- Better photosynthesis - Only photosynthetically active radiation (PAR = 400-700 nm) pass
- Temperature decrease - Avoid stress & better working environment



 Easy to apply with horticulture sprayers.





Easy to apply with horticulture sprayers.



Aerial application for high greenhouses.





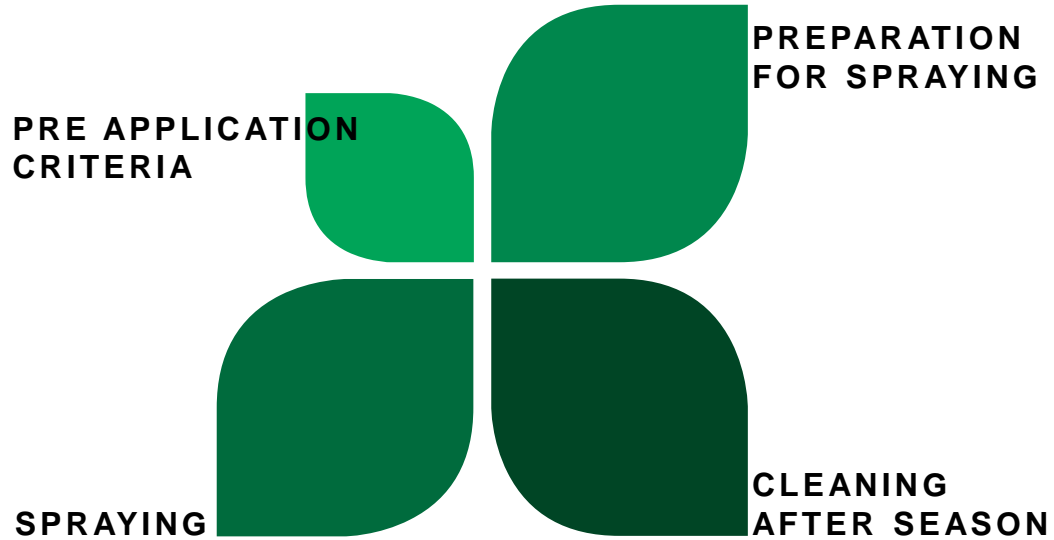
- Can be used on greenhouses growing all kinds of crops
- Decreases transpiration and water loss



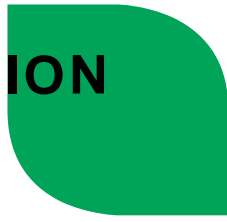
- Extends the life of greenhouse materials
- Can be used on all kinds of greenhouses
- Optimum lasting on the surface
- No need an additional solvent to clean
- Logistics & handling advantage

HOW TO USE?

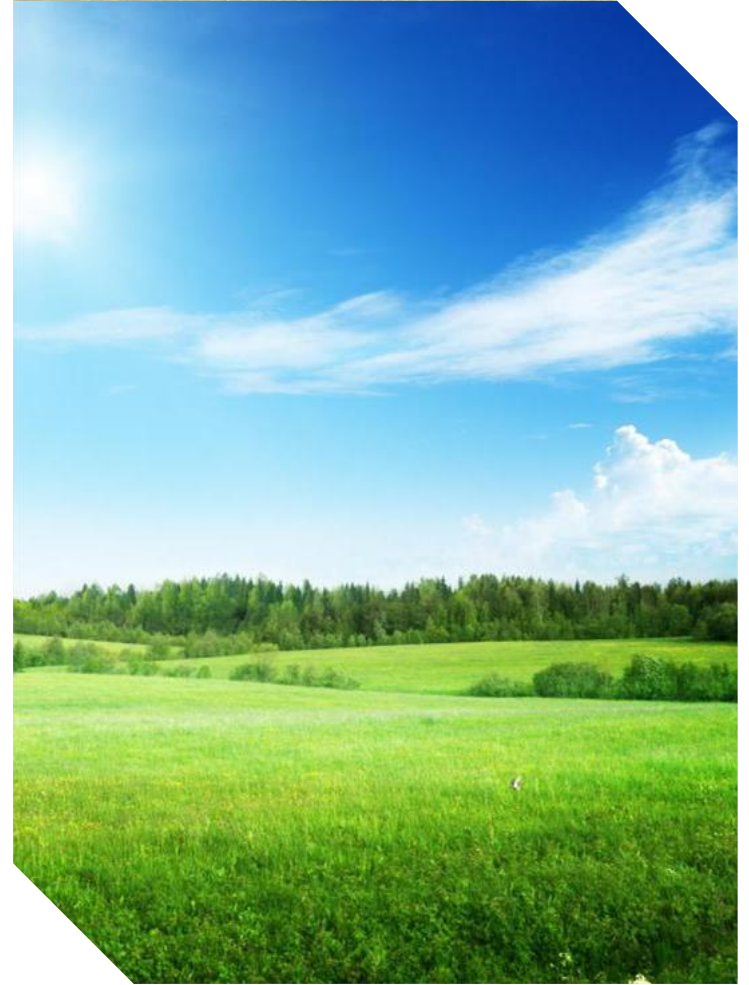
PHASES



PRE APPLICATION CRITERIA



- Check weather forecast;
 - No rain expected at application day and 2-3 days after
 - Calm weather at application date



Tools and Equipment

- Minimum 50 lt container for pre-mix
- Minimum 100 lt garden sprayer for application
- 2 mm diameter nozzle



- Control mixing device
- Control if the sprayer works properly

Clean dirty surfaces with water, and if necessary use brush, as **Greenhouse Shader** sticks poor and gets washed off by rain easily if greenhouse surface is dirty



* Wait until all surfaces to dry after washing dirty surfaces

PREPARATION FOR SPRAYING



Adjustable shade density

DOSES lt / 1000 m²

- 50 % of shade 6 lt (1 bucket) with 100-120 lt water
- Less shade 4 lt (2/3 buckets) with 100-120 lt water
- More shade 12 lt (2 buckets) with 150-160 lt water

Pre-mix



Dilute calculated amount of
Greenhouse Shader

- at least 2 hours earlier
- ideally one night before.

- Dilution rate: 8-10 times water of product's own volume
(i.e Mix 6lt Greenhouse Shader with 50-60 lt water)

Mixing instructions

- Make calibration for necessary water volume for treatment area

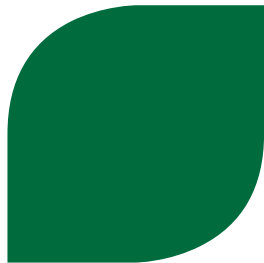


- Fill some water into sprayer tank and pour pre mixed GHS into sprayer tank.
- Fill up the tank as calibrated, while mixing device of sprayer is on.
- Keep mixing until the end of application

- Spray homogeneously all surfaces without leakage for a uniform shade.
- Hold the sprayer lance at 45° angle while spraying on the surface



SPRAYING



NO ADDITIONAL SOLVENT REQUIRED TO CLEAN



- In case of insufficient rain on summer,
 - Clean the product cover by washing with high pressure water and brush.



**CLEANING
AFTER
SEASON**

In Brief: Application Steps

- Pre mix with water ideally 1 night before
- Make calibration for necessary water volume for treatment area
- If dirty, wash all surfaces of greenhouse
- Wait until all surfaces to dry
- Fill some water into sprayer tank
- Pour pre mixed GHS into sprayer tank
- Fill up the tank as calibrated
- Mixing device is always on operation
- Spray homogenously with 45° angle





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