

SOLAROUS™

CHROMATIC PLANT ENHANCER



SOLAROUS™ fuses a blend of chromatic reflective ingredients and innovative surfactant systems to increase coverage and adhesion on the plant. As a chromatic plant enhancer, it combines these unique ingredients to give your surfaces a distinct appearance and protect turf health by reflecting UV radiation.

FEATURES AND BENEFITS

- Chromatic reflective ingredients increase UV reflectance for plant protection during stressful conditions
- Highly concentrated surfactant system that increases coverage on the leaf surface and improves mixing and handling
- Unique green color that ties in well with natural turf appearance

USE RATES:

- 0.5 – 2 ounces per 1,000 ft² in a minimum of 50 gallons of water per acre
- Use rates will depend on turf or plant species, growing conditions, and desired color.

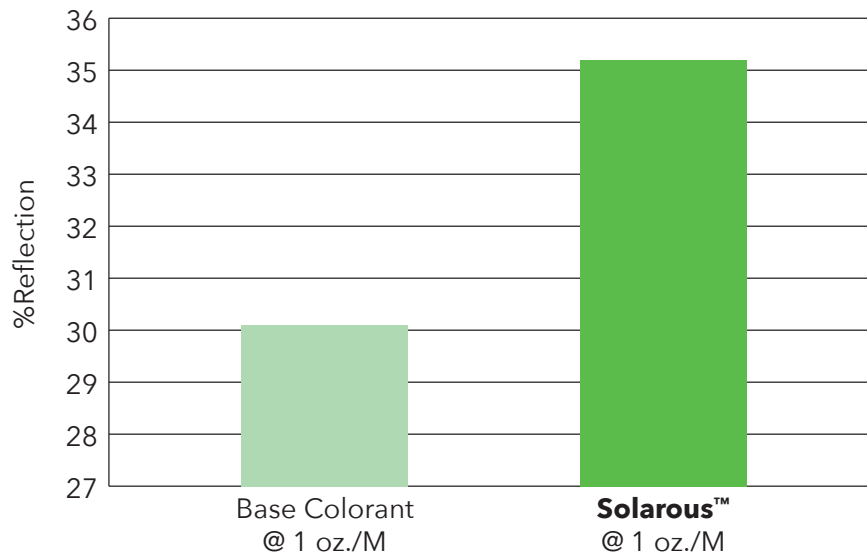
PACKAGING:

- 4x1 gallon containers per case

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UV Reflection
Increased by
20%



Green turf colorants, including the green base-colorant of SOLAROUS, are known to have the ability to reflect ultraviolet radiation. In research performed in the lab at North Carolina State University we set out to learn whether adding a chromatic reflectance ingredient (CRI) enhanced the ability of the base colorant to reflect more UV radiation between 342 and 399.5 nanometers. This range falls within the spectrum of wavelengths that are known to accumulate in plants and cause stress.

The trial was set up to reflect a 1 oz./1000 ft² sprayable rate of SOLAROUS and a 1 oz./1000 ft² rate of just the base colorant without the CRI. A spectrometer and mathematical calculations were used to determine reflectance of the stated wavelengths. An average of 16 replications were completed for each treatment.

The results of the trial showed that by incorporating the CRI in the SOLAROUS formulation, we increased UV radiation reflectance by an average of 20%.