Ginegar’s Products Manipulate Radiation to Improve Yield, Quality and Revenue

Ginegar Plastics Product Ltd. manufactures woven and knitted products for covering fruit trees at two plants sites in Israel and one in Brazil. Ginegar has a strong R&D orientation and focused in finding the best solution for covering orchards in the last twenty years.

Ginegar’s high-density polyethylene Leno Pearl net, offer the perfect combination of mechanical and spectral properties. The additives that implement during processing improve light diffusion for even and homogeneous distribution in the canopy, eliminating the shadow between neighbor plants. By altering the light quality that penetrates into the canopy, we create better plant and fruit growth more photosynthesis and vigor. The Leno Pearl net has the Anti-dust property keeping the net clean over time.

Ginegar’s high density polyethylene Leno Blue net altered the spectral light distribution enhanced the proportion of Blue light (400-500 nm) and reduced the Red light proportion (600-700 nm). Blue netting reduced soil temperature and reduced fruit surface temperature during hot periods under full sun conditions and therefore reduced the incidence and severity of sunburn measured at harvest.

Ginegar’s high density polyethylene Leno Red net increased the light transmission in R and FR spectra (600-800 nm). Leno Red net increased apple fruit size compared to black net, reduced the incidence and severity of sunburn measured at harvest on 'Fuji', 'Gala' variety.

Bibliography:


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