



The future of shade net in the agricultural sector is growing at an **EXCITING** pace.

Many farmers have already made the choice to erect large-scale shade net structures and are reaping the benefits from it. Growth and yield performance is directly related to a plant's environment and Food Source. In the short-term, shade net structures boost farmers' profits, by cutting costs and increasing their quantity and quality of yields. Over the longer term, it may even contribute to the solution of feeding the world's growing population.

A well-constructed shade house can provide the grower with a protected microclimate, ideal for seedlings, vegetables, cut flowers, pot plants, etc. In hot climates vegetables and cut flowers are grown under shade cloth to reduce heat and light intensity. With the help of science, innovative light manipulation and UV management, photo-selective colour netting creates an environment that can be manipulated into optimal growing conditions for crops to flourish in. Shade netting can also help benefit water efficiency as it reduces the amount of evaporation from free water surfaces.

Knittex commenced trading in 1964, and has since grown to be an industry-leading manufacturer of high quality knitted fabric that is durable and 100% recyclable. Our SpectraNet range gives producers the highest results and best return on their investment.

This is backed by years of research and development to ensure that nets have a guaranteed lifespan of 10 years or more. Some other advantages of our nets is that our fabric does not unravel when cut. If the material is damaged, repair work can easily be done. Due to the flexibility, durability and lightweight of our fabric, it is easy to erect and it is a very economical cover and it breathes, due to the open mesh configuration. By using the correct mesh size to manipulate air movement through the shade house you can control the humidity and therefore also the transpiration rate.

Knittex shade net can be used to manipulate plant growth, for example to get stem length, use a net that allows far-red wavelengths through. This will force the plant to stretch to the light. White SHADENET or Black/White combination SHADENET has been used very successfully on various vegetables, especially when grown hydroponically. Light spectrums can help us to choose the right colour and percentage for your crops.

It is very important to note that there is no universal shade net to manipulate light. Each plant has its own unique requirement, and each region and crop has its own challenges. KNITTEX shade netting not only covers for protection, but covers to enhance production.