

**Chris  
Wilkinson**



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Code	Description	Colour	UV	Shade %	Size	Price
KNI30B	Agricultural Shade Netting	Black	30%	30%	3m x 50m Roll	<b>2 325.00</b>
KNI30W	Agricultural Shade Netting	White	30%	12%	3m x 50m Roll	<b>2 325.00</b>
KNI40B	Agricultural Shade Netting	Black	40%	40%	3m x 50m Roll	<b>2 670.00</b>
KNI40G	Agricultural Shade Netting	Green	38%	36%	3m x 50m Roll	<b>2 670.00</b>
KNI40W	Agricultural Shade Netting	White	40%	14%	3m x 50m Roll	<b>2 670.00</b>
KNI50G	Agricultural Shade Netting	Green	43%	42%	3m x 50m Roll	<b>3 715.00</b>
KNI50W	Agricultural Shade Netting	White	50%	18%	3m x 50m Roll	<b>3 715.00</b>
KNI60B	Agricultural Shade Netting	Black	60%	60%	3m x 50m Roll	<b>3 715.00</b>
KNI60W	Agricultural Shade Netting	White	52%	22%	3m x 50m Roll	<b>3 715.00</b>
KNI70B	Agricultural Shade Netting	Black	70%	70%	3m x 50m Roll	<b>3 805.00</b>
KNI80B	Agricultural Shade Netting	Black	80%	80%	3m x 50m Roll	<b>3 975.00</b>
KNI80G	Agricultural Shade Netting	Green	76%	76%	3m x 50m Roll	<b>3 975.00</b>
KNI80BLU	Agricultural Shade Netting	Blue	*0%	77%	3m x 50m Roll	<b>3 975.00</b>

KNITTG	Colourshade Striped - Light Green / Dark Green			70%	3m x 50m Roll	<b>5 510.00</b>
KNITTBL	Colourshade Striped - Light Blue/Dark Blue			75%	3m x 50m Roll	<b>5 510.00</b>
KNISTRB	Colourshade Striped - Blue/White			60%	3m x 50m Roll	<b>5 510.00</b>
KNISTBB	Colourshade Striped -Brown/Beige			65	3m x 50m Roll	<b>5 510.00</b>

KNILACEB	Lacing Cord	Black			400 meter (1Kg)	<b>225.00</b>
KNILACEG	Lacing Cord	Green			400 meter (1Kg)	<b>225.00</b>
KNILACEW	Lacing Cord	White			400 meter (1Kg)	<b>225.00</b>

Delivery in Gauteng - R230.00

Standard Courier Rates on Quotation for other areas in South Africa

Simply place an order by email, get a quote, make the payment and we'll deliver within 7 days.

Email: [chris@ansup.co.za](mailto:chris@ansup.co.za)

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## **CLIMATE CONTROL SHADE NET**

**SpectraNet** is the ultimate shade net for climate control and light wave manipulation in the agricultural and horticultural industries.

**SpectraNet** is well known for providing plant and crop protection against harsh weather conditions and damage caused by hail, wind, insects, birds, drought & sunburn.

The brand name **SpectraNet** aptly describes the products ability to manipulate and alter the quantity, quality and relationship of blue, green, red and far-red wavelength energies absorbed by plants.

Four fundamental factors that impact on the physiology of plants are:

- Photosynthesis
- Photomorphogenesis
- Transpiration
- Respiration

**SpectraNet** plays a major role in all these areas, by manipulating and altering the quantity and quality of photosynthetic active radiation energy absorbed by plants. Photosynthesis is driven by temperature, light intensity, light quality, light duration, carbon dioxide quantity, water quality and nutrients in order to produce energy (sugars) for plant growth and food production.

Photomorphogenesis on the other hand is light-mediated changes in plant growth and development. The size, shape and appearance of a plant are influenced by the relationship of blue, green, red and far-red wavelengths absorbed by the plant. SpectraNet's light transmittance factors vary from 4% to 96% dependent upon colour and pattern of the netting.

## **SpectraNet Protects Crops**

A well-constructed shade house using one of the many **SpectraNet** fabrics will enable the grower, to modify or create an ideal protected micro climate in which to produce high quality seedlings, fruit, vegetables, pot plants and cut flowers.

Plants and crops suffer stress from excessive photosynthetic active radiation (PAR), heat, strong winds and UV burn, which generally results in smaller, lower quality yields. Hail, severe storms, insects and birds too, can cause considerable damage to crops.

**SpectraNet** will provide protection against such calamities, providing an environment for optimum growth and yield. It ensures good air circulation, with excellent moisture exchange resulting in large savings in water and chemical sprays.

## **High Density Polyethylene**

**SpectraNet** is a knitted shade net fabric, manufactured from “High Density Polyethylene”, high-quality colour concentrates and ultra-violet stabilisation additives.

## **Lock-Stitch Pattern**

The **SpectraNet** lock-stitch pattern, obtainable through a knitted construction, means the fabric will not fray or unravel when cut. The mesh size governing the shade percentage is fixed or locked in place, making it impossible for it to be altered. Due to its knitted lock-stitch pattern, SpectraNet allows easy joining and repairing should the fabric be accidentally torn

## **Salient features of SpectraNet are:**

A knitted lock-stitch pattern forms an integral part of the design which:

- ensures that the mesh configuration is consistent and stable;
- prevents laddering;
- prevents unravelling;
- is flexible and easier to work with;
- makes repairing insitu easy; and
- “breathes”, thus preventing hot air being trapped.

**SpectraNet** is used to protect plants and crops against:

- sunburn;
- hail damage;
- wind damage; and
- birds and insects.

**SpectraNet** creates a better climatic environment for plants to grow by:

- reducing temperatures;
- maintaining humidity;
- reducing evaporation;
- reducing stress;
- enhancing photosynthesis;
- improved light dispersion; and
- positively affects the photomorphogenesis of plants.

**SpectraNet** is durable and tough:

- does not rot;
- does not absorb water;
- is not considered a fire hazard; and
- is ozone friendly.

**SpectraNet** quality:

- carries the prestigious SATAS Certification mark for product quality management; and
- comes with an 10 year manufacturer’s warranty against UV degradation.