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Climate Control Solutions
for **Better Crop Production**



PHOTOSELECTIVE FILM
Greenhouse Covering Films

PHOTOSELECTIVE FILM

Cladding Material

The horticulture industry prefers uniform compact plants because it increases consumer acceptance, makes it easier to pack and ship mature plants, and speeds plant establishment in the field. Traditionally, chemicals have been used to produce compact plants, but because of increasing environmental concerns, researchers are investigating alternative methods to produce compact plants.

The photoselective films are cladding materials with incorporated pigments in order to modify the solar radiation spectrum which enters the greenhouse. Photosynthesis, photomorphogenesis and the growth of the plants can be controlled by the use of this film.



PHOTOSELECTIVE BLUE

The specific photo selective filter is effective in equilibrating the plant growth, developing more compact plants, more resistance to transplant stress (nursery crops) favouring the fruits ripening process instead of the vegetative production.

Advantages

- Unrivalled light transparency, particularly in the PAR (Photosynthetic Active Radiation, which is effective for the photosynthesis, i.e. 400-700 nm) necessary for the plant's growth.
- Reduction of the solar heat transmitted, reducing the shading operations.
- Better internode length – more fruits
- Uniform plant growth
- Color and flavor intensity of fruits.
- Excellent mechanical properties

PHOTOSELECTIVE RED

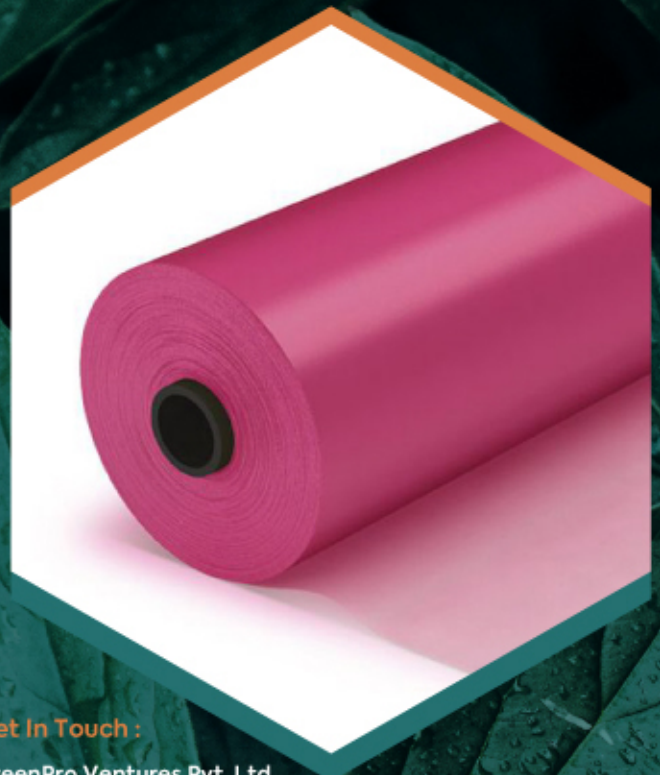
Red radiation is known to enhance seed germination, reduce stem elongation of seedlings, and promote lateral shoot growth of many plant species. The effects of FR radiation are mostly the opposite of IR radiation. Environments high in IR radiation relative to FR radiation (high IR:FR ratio) are favorable for production of short and compact plants. The magnitude of the response depends on the species and cultivar.

Thickness: 50 - 250 Micron

Width: Up to 12 Meter

Appearance: Blue / Red / Green

Customized products are also available.



Get In Touch :

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