



# **RNB**

GLOBAL UNIVERSITY

Educating stars for tomorrow

**SHADE -NET HOUSE**

**RNB GLOBAL UNIVERSITY**

RNB Global City, Ganganagar Road,  
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### 3. SHADE NET HOUSE (GREEN HOUSE)

At present, two shade net houses are in working condition at university campus. They are being used to grow vegetables under controlled environmental condition of low temperature, less sunshine, more humidity etc. Nursery plants are also grown under the controlled environment conditions. Trays are available in nursery to grow nursery plants.

A shade net house is a structure that is framed and made using materials such as wood or bamboo, pipes and iron. Now, this shade net house structure is covered by a net which is referred to as a shade net. Hence, the name – shade net house. It is one which is made of a 100% polyethylene and the threads are specialized to stabilize the incoming UV radiation. These shade nets not only act as climate controllers and stabilizers but also act as a protective shield against birds and pests. Shade Net provide materials are also available, which are non-hygroscopic and hence, fungus resistant. Plus, the shade nets are made from high density polyethylene and are therefore, very strong and durable.

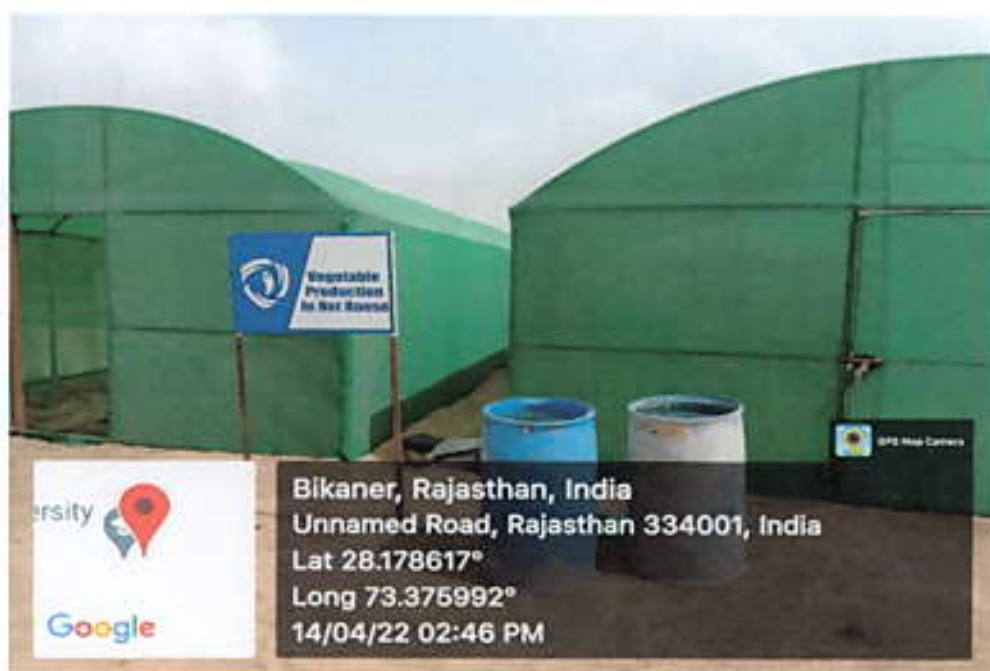
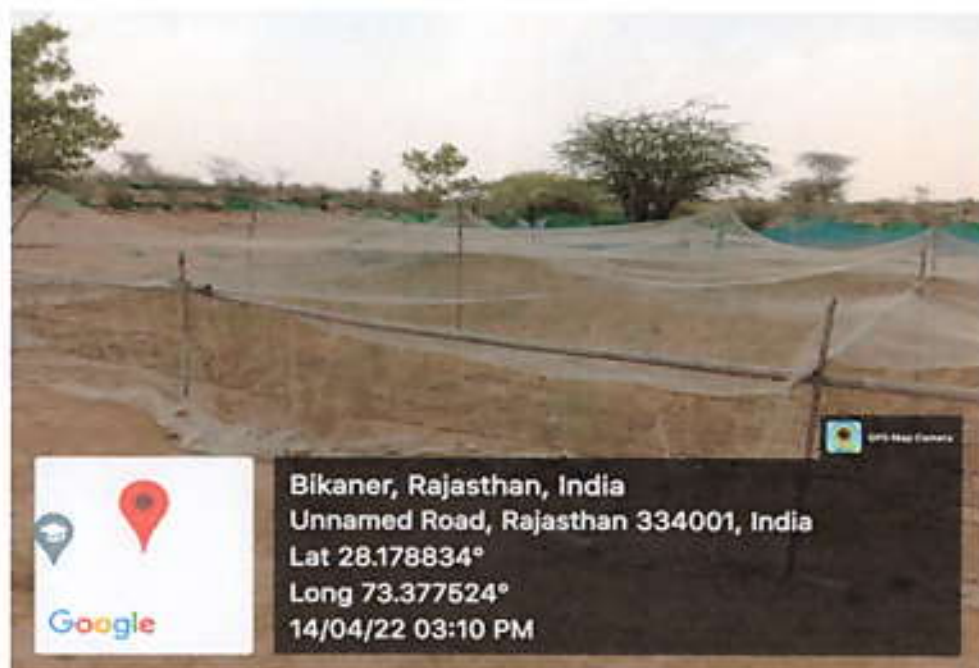
There are also a variety of different shade percentages in which the shade nets are available. These different percentages to choose from are – 15%, 35%, 40%, 50%, 75% and 90%. What these percentages determine is how much percentage of light intensity will that particular shade net be able to cut down. For example, a shade net with a 50% factor will be able to cut down 50% of the light intensity. These factors are very important and have multiple uses in different scenarios.

So, as per each plant's requirement, it is important to choose the right percentage of shade net. Each and every plant has a different requirement for sunlight and shade. So, depending on what kind of plant or flower we want to grow in shade net house, the percentage depends. It is very important to choose the right percentage in order to make optimum utilization of the particular shade net and enhance the plant's productivity.

It helps in cultivating vegetable, spices, medicinal plants, aromatic plants and a variety of different plants depending on the kind of usage. Shade net houses are of utmost importance in raising nurseries of vegetables and fruits. It very effectively protects precious plants and flowers against pest attacks. It maximizes the yield during summer season, when the sun's rays are vertical. Various agriculture based products are very efficiently dried as well. Be it the wind, snow, rain, hail, frost, insects or birds, the shade net protects the plants from all the natural weather disturbances. Shade nets are also very useful in producing graft saplings.

At present, chilli, tomato, eggplant, bitter gourd, ridge gourd etc. are being grown in the shade net houses. Students are doing experiments related to nursery management under shade net house.





**Shade Net House (Green House)**







**Protected Crop Cultivation**

