



# MARUMEGH

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### POLY HOUSE TECHNIQUES

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A poly house is a protective shade house made of polyethylene which is used to produce high value agricultural products. It can be semicircular, square or elongated in shape. With the help of the equipment installed in it, the temperature, humidity, light etc. inside it are controlled. Poly house technology is being used under protected cultivation. By controlling the climate with this technique, cultivation can be done in other seasons also. The temperature and humidity are controlled by drip irrigation. With this artificial farming can be done, in this way, whenever you want, you can produce the desired crop. Different types of farming are done in poly house so that maximum production is done in less time and less space. Poly house is a single and multi type structure.

#### Advantages of Poly House

- Vegetables can be protected from damage caused by biological and natural factors inside the poly house.
- The poly house increases the production, productivity and quality per unit area.
- In poly house production can be taken throughout the year.
- Along with growing off-season vegetables in poly houses, the cost of pesticide also comes down.
- The production of vegetables in poly house is 3-4 times more than in normal farming.

#### Important Points for Maintenance of Poly House

- ✓ EC of irrigation water given in poly house should be less than 0.75 and the pH of the soil should be less than 8.
- ✓ A 1.5 feet deep trench should be made around the poly house, so that rain water will not collect and many types of soil organisms will not be able to enter the poly house.

- ✓ If there is any hole in the poly house or if the polythene and insect net gets torn, then it should be fixed immediately.
- ✓ The poly house should be in such an area where there is a short distance from the market.
- ✓ Special care should be taken of temperature and humidity in the poly house. Temperature and humidity should be kept under control by using foggers and curtains.
- ✓ There should be minimal movement in the poly house and both the anti chamber door and the main door should not be opened simultaneously.
- ✓ Drip system should be treated before planting and if the drains get clogged, they should be treated with dilute acid.
- ✓ The beds should be sterilized before planting the crop.
- ✓ The slope of the land should be such that the surface water should be kept away from the poly house, otherwise the possibility of disease in the crop increases.
- ✓ Before the completion of one crop, preparation for another crop should be started, such as preparing seedlings etc.
- ✓ Intensive farming system should be adopted in poly house. Never keep the poly house empty for more than a week.
- ✓ Varieties grown in poly houses should be high yielding and of high quality.
- ✓ There should not be any kind of remnants of old crops and any weeds inside the poly house.
- ✓ The poly house should not be used as a warehouse for manure, seeds and tools.

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