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*Shaping Lives...
Empowering Communities...*

Center for Smart Agriculture

Applied Hi-Tech Horticulture



Module 2: Intercultural operation
Session 20: Special intercultural operation in
fruits, vegetables and flowers



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Mulching

Mulching is the process of covering soil around the plants with an organic or synthetic material to create congenial condition for the plant growth, development and efficient production



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Mulching material

The material used for mulching is known as mulching material.

Organic mulches degrade easily and they are locally available usually and are on-farm produced. There is no issue of post utilization handling. For example:- Leaves, straw, grass etc.

Synthetic mulches are synthesized ones and they need prior work before use them in the field. They are easily available, easy to handle, transport & lay. For example:- Plastic films.



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Mulching





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Training, Pruning and Staking Tomato





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Single trellis system in cucurbits





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Rose

Deshooting

Sprouting of buds just below flower, from the point between shoot and leaf lead to smaller bud size. So these shoots should be removed regularly.

Dead shoot removal

In the old plants the dead shoot or dried shoots on plants are observed which will be the host for fungi. So regularly these have to be removed.



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Continues.....

Soil loosening on beds

After 6 months or so, there is every chance that the soil become stony and it has to be loosened for efficient irrigation.

Bending

Leaf is a source of food for every plant. There should be balance between source (assimilation) and sink (Dissimilation).

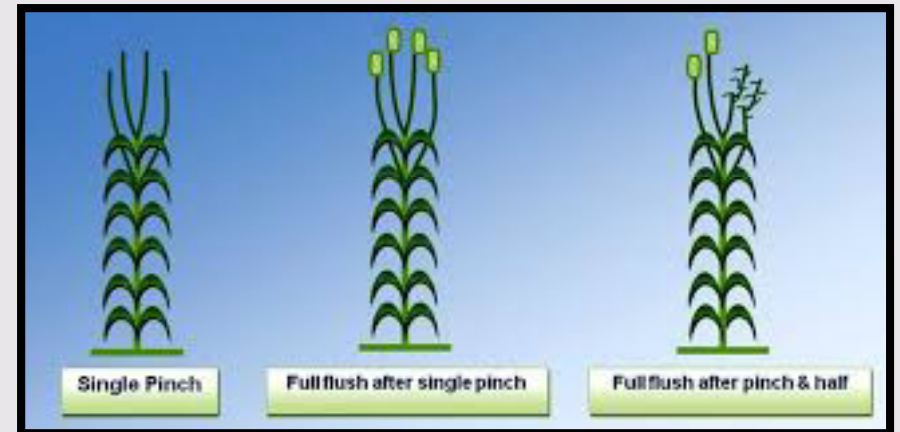




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Carnation

Support system (Netting)
Pinching
Disbudding





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Chrysanthemum

Pinching out the apical bud

As soon as the bud stems begin to elongate in other words as soon as the buds have just separated from one another, it is used to pinch out the central bud, this improves the spray shape.



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THANK YOU