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*Shaping Lives...
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Center for Smart Agriculture

Organic Farming



Module 2: Soil cultivation and tillage operation

Session 3: Types of soil cultivation



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- Cultivating as a practice is really two things: removing weeds from the garden and loosening the soil to optimize the retention and penetration of air, water and nutrients.
- Cultivating breaks up the crusty soil surface allowing for a much easier movements of air, nutrients and water deep into the soil where plant roots can gain access to them.



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The Types of Soil Cultivation includes Post-Harvest, Primary Tillage, Seedbed Preparation, In-between cropping.

The tools for Soil cultivation can be grouped in four types and Tools should be chosen considering the soil cultivation purpose, the soil type, the crop and the available power source.



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1. Tools for primary cultivation:

pole plough, mould board plough, digging fork, spade.

2. Tools for secondary cultivation:

cultivators, harrows, rakes.

3. Tools for inter-row cultivation:

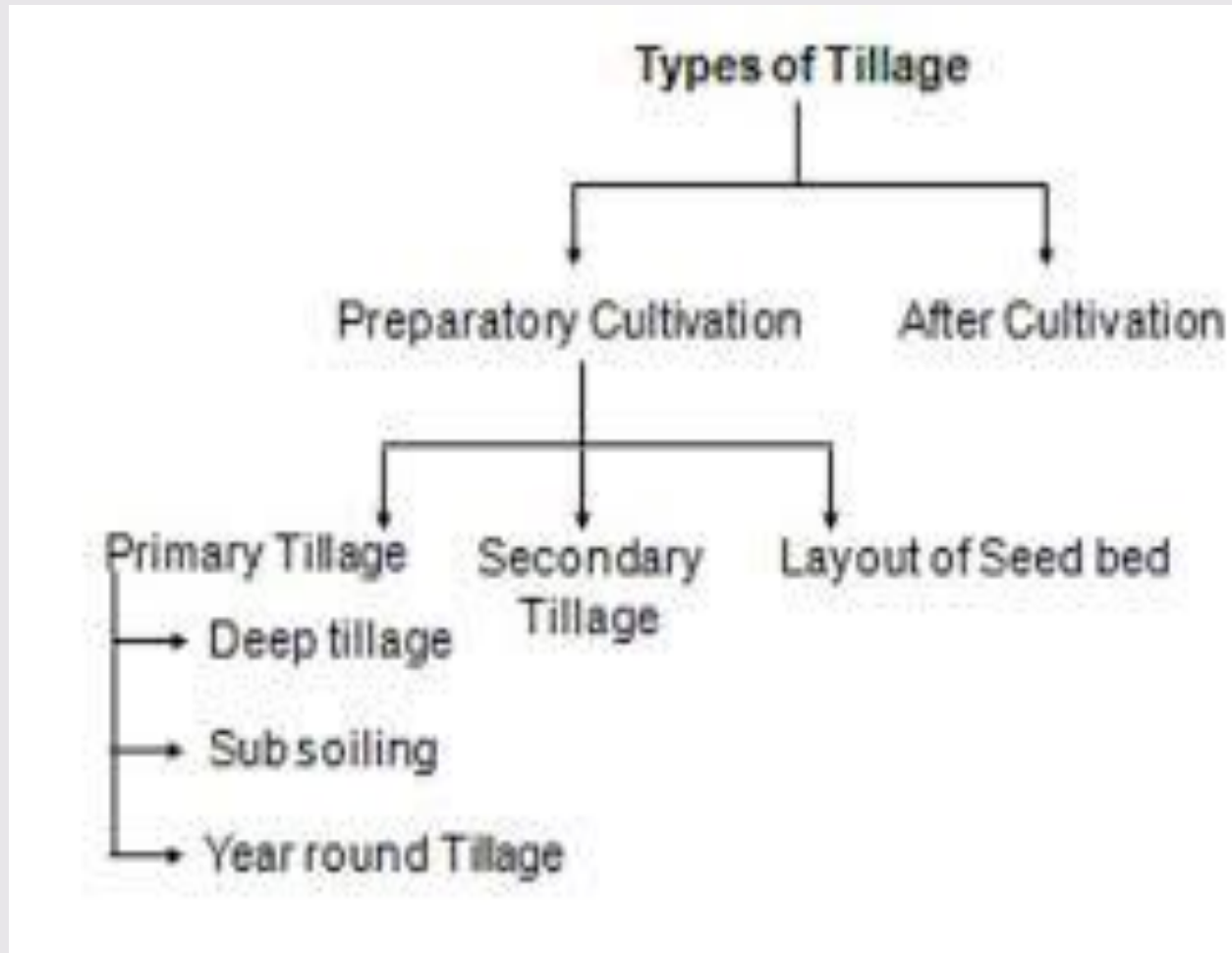
inter-row cultivators, hoes.

4. Tools for land forming: ridgers, hoes



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THANK YOU