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LECTURE -4

TOOLS AND IMPLEMENTS USED IN GARDENING



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Spade

Hand tools

To loosen the soil, prepare irrigation channels, collect the soil in heaps and facilitate filling up of soil, manure in the baskets

- ✓ The blade is made from tempered steel; however, some spades are also made of stainless steel.
- ✓ The blade should be kept vertical during digging, as it requires minimum efforts.



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Forks

Used to loosen the moist soil
or manure pits

- ✓ Digging forks are used for digging in the soil already turned by spade.
- ✓ They normally have four prongs, which can be either round or square in section.
- ✓ Border forks are used as weeders in the border area of field.
- ✓ They are narrower and lighter than digging forks and normally have 3 or 4 prongs.



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Garden rake

Used for removing stubbles, small stones, leveling of nursery beds and formation of small beds

- ✓ It has about 10 rigid teeth.
- ✓ Lawn rakes and hay rakes are also used for collecting grasses and tree leaves in the garden, which are necessary to keep the area clean.



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Hoes

Destroy the weeds and loosen the soil around the trees

- ✓ There are two types of hoes; draw-hoe being pulled by the worker and push-hoe.
- ✓ Triangular headed hoes are also used as garden tool for making shallow drill usually in conjunction with a garden line.
- ✓ Garden line is generally used when seed sowing, trenching, lawn edging and transplanting operations is performed in the garden.



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For cutting small sized
branches



Pruning shear

- ✓ Hand shears have blade 200-300 mm long with wooden or plastic handles.
- ✓ The cutting action takes place between the two blades, which are pivoted and material to be cut is sheared between them.
- ✓ Some shears have a pruning notch near the pivot of the blades so that thick twig can easily be cut.
- ✓ Edging shears are used for cutting lawn edges because they have handles about 1 m in length and attached at an angle to the blades.



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Hedge cutters

To prune the tender parts of garden shear the plants, it is specially useful for trimming hedges, borders, topiary work



- ✓ They are of two types viz. hand shears and edging shears.
- ✓ Hand shears have blade 200-300 mm long with wooden or plastic handles.
- ✓ The cutting action takes place between the two blades, which are pivoted and material to be cut is sheared between them.



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To prune the branches, twigs, water suckers etc. of small plants

- ✓ Being handy and easy to operate,
- ✓ The secateurs are selected according to the operation and size of the twig or branch.
- ✓ The pruning secateurs are available in various sizes (150, 175, 200, 225, and 250 mm), refers to overall length of the secateurs and cutting capacity is up to 20 mm diameter



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