



DFR, *Cynodon dactylon* mutants



Lolium perenne at DFR-New Delhi research farm





Diechondra as ground cover at
DFR-New Delhi farm



Poa pratensis at
DFR-New Delhi research farm



Zoysia japonica at
DFR-New Delhi research farm



Cynodon dactylon at
DFR-New Delhi research farm

Growth of different turfgrass genotype



Cynodon dactylon L. "Black Jack"



C. d. x C. t. "Tifdwarf"



Zoysia tenuifolia



Axonopus compressus

Asthetic appearance of different turfgrass genotypes



Cynodon dactylon L. "Local"



Zoysia matrella



Stenotaphrum secundatum



C. d. x C. t. "Tifdwarf"

Suitability of different grass species evaluated
For sports field



Paspalum vaginatum



Axonopus compressus



Cynodon dactylon

For sports field and drought tolerance



Brachiaria reptans



Dactyloctenium aegyptium



Cenchrus ciliaris

Suitability of different grass species evaluated
Aesthetic purpose and tropical conditions



Brachiaria reptans



S. secundatum variegata



Zoysia japonica



Zoysia matrella



Root grub adults



Root grub larvae



Root grub infestation



Mole cricket



Armyworm



Cutworm



Chinch bug

Major insect pests on lawn grasses

Lawn Care Tools

Lawn care is a very demanding activity and requires different equipments to make the job easier and efficient. Some of the equipments used for this purpose are as mentioned below-

Rakes- Rakes are used for leveling soil that has turned up and can also be used for cleaning purpose. Hand held rakes can efficiently be used for removing debris using two hands.



Steel Rake



Leaf Rake

Pruners- Pruners are used for pruning of branches and suckers of plants. There are two types of pruners-



Anvil Pruners



Bypass Pruners

Shovels- There are two types of shovels

- Round point shovels- primarily used for digging holes.
- Square point shovel- Square point shovel is square in shape and is used for picking up trash and debris. It is much larger in size with a different kind of grip, hence can pick more debris at one time.

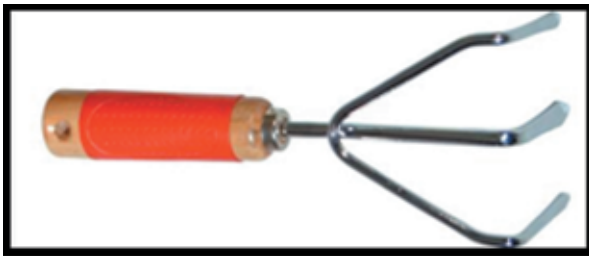
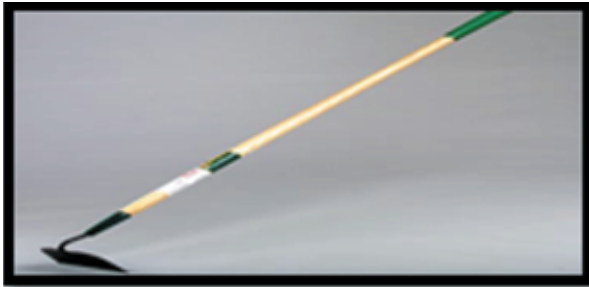


Square Point Shovel

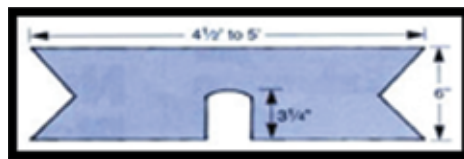


Round Point Shovel

Steel Head Garden Cultivator- This is also used to cultivate the soil which further allows air to penetrate the soil. This equipment is also used for removing weeds.



Planting Board- Used for proper placement of plants in dig



Garden hoe- Garden hoe is used to cultivate soil and remove weeds.



Trowels- Trowels aid in planting and also help in cleaning to some extent by removing dirt. This equipment is easy to handle and can be held using one hand.



Wheel barrow- Wheel barrow is primarily used to move heavy things from one place to another. This can be used to hold trash.



Nozzles- Nozzles are use for watering plants and regulate the direction of spray. The amount of watering is dependent on size of nozzle.



Secateurs- Used to prune off branches of pencil thickness and making cutting etc.



Tree Pruners- Used to prune off branches of trees at 3-4 meters height & 3-4 cm thick



Pruning Knife- Used for pruning of branches and suckers



Grafting and budding Knife- Used to perform grafting and budding operation



Hedge Shear- Used to cut the hedge and edge



Hand Rotary duster- Used to dust the chemicals



Spade- Used to dig or turn the soil

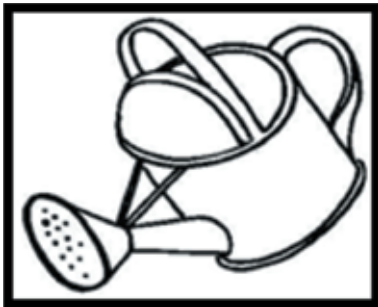


Sprayer- Used to spray the pesticide and weedicide



Knapsack Sprayer

Watering cane- Used to water the plants



Bill Hook - Used to cut the branches of trees



Foot sprayer