

Penang Sangam High School
P.O. Box 44, Rakiraki
Year 12 Agriculture Lesson Notes Week 11

Strand	AS 12.3 Agronomy
Sub-Strand	AS 12.3.2.3: Ornamental Horticulture
Content Learning Outcome	Deliberate on Ornamental Horticulture by investigating, selecting and practicing appropriate husbandry methods on selected ornamental plants.

Lesson 9: Maintaining Lawns

Lesson Outcome: Discuss the methods used to maintain lawns.

A vigorous, healthy lawn enhances any environment.

Lawn maintenance activity	Description	Items used
Mowing	-control weeds especially broadleaf weeds -ensure lawn grass is at least 5 cm tall after mowing to maintain the rooting system	-Push mower -Motorized push mower -Motorized ride on mower
Feeding	-Mix fertilizing material with soil before applying to ensure even distribution -Apply the mixture in cool, moist conditions and lightly water it in	-Fertilizer spreaders
Water control	-Sprinkle water onto the lawn once the top 5 cm of soil is dry	-Water sprinklers
Scarifying	-Remove the grass clippings to promote better lawn growth	-Rake
Edging	-Clean line is created where lawn meets other surfaces, structures or plants to give the lawn a more professional look	-Cane knife -Brush cutter
Spiking	-Small holes are made in the soil surface to allow water infiltration and aeration	-Digging fork -Lawn aerator shoes -Push lawn aerator

Activity Question

1. State reasons why spiking is carried out during the maintenance of a lawn.

Lesson 10: Methods of Raising Ornamental Plants in Containers

Lesson Outcome: Discuss and practice some methods used for growing plants in containers.

Ornamental plants need to be propagated and cared for just like any crop however, the methods used depends on the type, planting material, purpose, size and intended use of the plants. Potted plants need special attention.

Some methods used for growing plants in containers are:

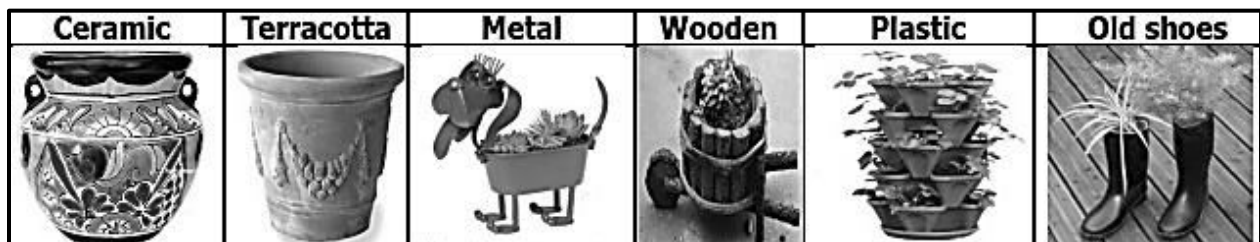
1. Pot plant – a plant is grown in a container of planting medium. Eg. citrus plant
2. Bonsai plant – growing ornamental, artificially dwarfed trees or shrubs (prevented from reaching their normal height). Eg. Kuromatsu tree
3. Terrarium garden – growing plants in a covered or closed container, usually made of glass. Eg terrarium of succulents
4. Dish gardens - plants growing in a shallow dish or bowl for a container.

Growing medium - a substance through which roots grow and extract water and nutrients

When choosing containers ensure that the container is affordable and has:

- ✓ drainage holes
- ✓ eye appeal
- ✓ durability
- ✓ adequate space for roots and growing medium

Pots may be ceramic, clay (terracotta), wooden, metal, plastic or recycled containers.



Activity Question

1. Differentiate between a terrarium garden and a dish garden.
