

SANGAM SKM COLLEGE-NADI

WEEK 2

AGRICULTURAL SCIENCE -YEAR 12 WORKSHEET

(Activity 1)

1. Explain one reason why paper mulch material is used during the hydro mulching of a new lawn?
2. State one advantage of adding wood charcoal to the growing medium of a potted plant?
3. Describe one symptom which appears when a potted plant has been over fertilized?
4. State one method used by farmers to prevent pests from eating the mature fruit of a species of fruit tree which you have studied?

(Activity 2)

1. State one traditional method used by Pacific Islanders to preserve breadfruit?
2. Explain one reason why many Pacific Islanders consider the wood of breadfruit trees suitable for the construction of traditional canoes?
3. Explain one method which farmers use to prevent the bruising of fruit during the harvesting process?
4. State one advantage of using close spacing between wood producing trees growing in a plantation forest?

(Activity 3)

1. State reasons why the bark is removed before a log is washed and sawn into timber?
2. Explain one precaution which farmers take to stop fires from spreading in a plantation forest?
3. Explain the Dump Heap Hypothesis in relation to how agriculture began?
4. State one reason why florists remove the stigma from harvested flowers?

(Activity 4)

1. Differentiate between a photophilous plant and a sciophilous plant in relation to site selection for propagation?
2. State one reason why spiking is carried out during the maintenance of a lawn?
3. Explain one silvicultural method used to control pest attacks on established trees?
4. State one reason why the majority of fruit trees in Fiji are not cultivated in orchards?

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WEEK 3

AGRICULTURAL SCIENCE -YEAR 12 WORKSHEET

(Activity 1)

1. State one way in which farmers can ensure that tree crops are not affected by salt spray?
2. Discuss the relationship between plants and animals in an aqua-forestry system?
3. State one reason why farmers practice thinning of healthy saplings in a plantation forest?
4. State one use of the slash which is produced during the logging process?

(Activity 2)

1. State one defect which may occur in lumber during the drying process?
2. Explain natural causes of fires in plantation forests?
3. State examples of a germplasm collection?
4. State reasons why commercial farmers may not want to establish agro-forestry systems on their farms?

(Activity 3)

1. State advantages of the Riparian Forest Buffer agroforestry system?
2. State protective functions of agroforestry systems?
3. State advantages of using coir as an ingredient in the potting mixture for hibiscus plants?
4. Identify causes of abscission in harvested flowers?

(Activity 4)

1. State one reason why farmers harvest fruit as soon as they are mature?
2. Outline ways in which farmers can minimize the bruising of fruit, like pawpaw, during harvesting?