

Agriculture Merit Badge Worksheet



Requirement 1

Explain the following:

a. The Nature of Soil

b. The Texture of Soil

c. Soil's Need of Water

d. Soil's Need of Air

e. Soil's Need of Plant and Animal Life

f. What the Soil does for the Plant

g. How Soil may be improved and conserved

Requirement 2

Do the following:

- Prepare a seedbed and test the germination of three chosen varieties of 100 seeds each variety. Below list the name of each variety you selected and the result of your germination test.

Seed Variety # 1 _____

Result of Germination Test

Seed Variety # 2 _____

Result of Germination Test

Seed Variety # 3 _____

Result of Germination Test

- Identify and describe ten common weeds in the locality and tell how best to eliminate them.

#	Name of Weed	Describe	How best to eliminate
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Scout Name _____ Unit # _____ Date _____

Identify six common insect pests; tell what plants they usually infest and how best to control them.

#	Insect Pest	Plants Usually Infested (list at least 2)	How best to control them
1			
2			
3			
4			
5			
6			

Requirement 3

Have a practical knowledge of the following, the purpose of each, and describe the implements used in each.

a. Hoeing

Practical Knowledge

Purpose

Describe Implements Used

b. Plowing

Practical Knowledge

Purpose

Describe Implements Used

c. Harrowing

Practical Knowledge

Scout Name _____ Unit # _____ Date _____

Purpose

Describe Implements Used

d. The Use of a Rake and a Roller

Practical Knowledge

Purpose

Describe Implements Used

e. Irrigating and Raining

Practical Knowledge

Purpose

Describe Implements Used

f. Planting and Harvesting

Practical Knowledge

Purpose

Describe Implements Used

Requirement 4

Tell how plants are propagated by the following methods:

a. Seeds

b. Roots

c. Cuttings

d. Grafts

Explain where plants get their food

Explain how plants grow

Requirement 5

Name and identify ten common birds in the locality and state their value to the farmer.

#	Name of Common Bird	Date Identified	Value to the Farmer
1			
2			
3			
4			
5			
6			

Scout Name _____ Unit # _____ Date _____

#	Name of Common Bird	Date Identified	Value to the Farmer
7			
8			
9			
10			

Requirement 6

Tell what part the carabao plays in present-day farming

Requirement 7

Explain how farming may be modernized

What steps are now being taken by the government to attain this goal (of modernizing farming)

Tell the advantages of modernized farming
