MONAD UNIVERSITY

Department of Agriculture

Programme : M.Sc (Ag) Agronomy IV Semester
Course Name : Advances in Weed Management
Course Code : MSAGN-211(B)
Assignment No : 02
Due date of submission: 22.04.2019

Instruction

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your Name, Programme, and Enrolment No. clearly at the top of the page.

Q-1-

(a) A farmer is suggested to mix weeder (sulfosulfuron 75% WG) and FUMA 10 EC (fenoxaprop) in a spray tank for weed control in 40m x 30m wheat plot. If recommended rate of mixture of sulfosulfuron and fenoxaprop is 12.5 and 50 g/ha, respectively, calculate the amount of herbicide for his wheat plot. Also, calculate the amount of herbicides to be mixed per tank of backpack sprayer (tank capacity = 12lit.), if 600 lit. Water is required to spray 1 ha area.

(b) A student conducted an experiment on weed control with 4 treatments of butachlor @ 0.75, 1.0, 1.25 and 1.5 kg a.i. /ha with 5 replication. He used machete 50 EC. If the plot size of the experiment is 6m x 5m, calculate the amount of herbicide he used in the experiment.

Q-2-

(a) A farmer was suggested to treat his pond with 2 ppm 2,4 D ethyl ester to control the submerged weeds. The length and width of the pond and depth of water are 50m, 20m and 2.5m, respectively. Calculate the amount of knock weed 36 EC required for the treatment of the pond.

(b) Describe the methods of herbicidal application.