

2005-52

KERALA AGRICULTURAL UNIVERSITY

B.Sc. (Ag) 2005 Admission II Semester Final Examination, October 2006

Agro 1202

Weed Management (1+1)

Max. Marks: 60

Time: 2 hours

I Answer all the questions

(20x0.5=10)

a. Fill up the blanks

1. Barnyard grass is an example for ----- weed
2. ----- is an important aquatic weed
3. ----- is a post emergence herbicide used for rice
4. ----- is an example for adjuvant
5. Atrazine is available in ----- formulation

b. Choose the correct answer

1. In India more herbicide used for ----- crop
(Wheat, Rice, Sugarcane)
2. Trade name of Paraquate is -----
a.) Gramoxone b) Fernoxone
3. Herbicide applied in plant community kill only the targeted plant is called -----
a) Selective herbicide b) Non selective herbicide
4. Herbicide applied before sowing is known as -----
a) Pre-plant incorporation b) Pre-emergence
5. In India the losses due to weed in food production is
a) 15 % b) 20 % c) 40 %

c. Answer True or False

1. Cuscuta is a root parasitic
2. Trade name of Fluchloralin is glycel
3. Deflected nozzle is used for weedicide spray
4. Witch weed is a parasitic weed
5. Butachlor herbicide is available in WP formulation

d. Give the Botanical name of the following weeds

1. Witch weed
2. Wild carrot
3. Nut grass
4. Barnyard grass
5. Common pursulane

College of Agriculture
Vellanikkara - 630 654

II. Answer any six question

(6x1=6)

1. Weed index
2. Active ingredient
3. Allelopathy
4. Weed shift
5. Biological weed control of *Eichornia*
6. Aquatic weeds
7. Weed dormancy
8. Problematic weeds in major crops

III. Answer any six questions

(6x2=12)

1. Herbicide formulation
2. Weed control efficiency
3. Integrated weed control
4. Surfactant
5. Differentiate facultative and obligate weed
6. Differentiate crop bound and crop associated weed
7. Explain stale seed bed preparation
8. Differentiate pre-emergence and post emergence application

IV. Answer any four questions

(4x3=12)

1. Explain the principles of chemical weed control
2. Classify the weeds
3. Discuss losses caused by weeds
4. Discuss weed crop competition
5. Herbicide persistence in soil
6. Weed management practices for the control of *Cyperus rotundus*

V. Answer any four questions

(4x5=20)

1. Explain the principles involved in the control of weeds
 2. Discuss the classification of herbicide
 3. Explain herbicide selection and recommendation based on crops and cropping system
 4. Discuss on the cultural method of weed control
 5. Discuss the economic uses of weed
 6. Discuss on the mechanical weeds control in different ecosystem
-