CERTIFIED CROP ADVISER

ASA American Society of Agronomy

Sample Questions from the ICCA Practice Exam—Answer Key

Nutrient Management

1. Plant macronutrients include N, P, K, Ca, S, and
a. *Mg.
b. Mn.
c. Mo.
d. Zn.

2. Which factor would influence a soil test result?
a. Regional climate
b. Crop species
c. *Depth of sampling
d. Method of irrigation

3. A soil at which of the following pH values would have the most plant-available phosphorus?
a. 4.2
b. 5.2
c. *7.2
d. 8.2

4. Which pathway of phosphate loss is of most concern from a recently tilled soil?
a. Runoff
b. *Erosion
c. Volatilization
d. Leaching

Soil and Water Management

1. Cation exchange capacity (CEC) is the measure of a soil's ability to
a. hold negatively charged ions.
b. *hold positively charged ions.
c. hold monovalent ions.
d. Increase field capacity.

2. You can tell a soil is poorly drained for most of the year if the color is
a. brown
b. *gray.
c. red.
d. yellow.

3. Which type of water erosion is occurring if the landscape shows an organized pattern of small channels?
a. *Rill
b. Gully
c. Sheet
d. Splash

4. Of the following, greenhouse gases would most likely come from
a. *flooded soils.
b. dry soils.
c. soil minerals.
d. soil organic matter.

Pest Management

1. Which of the following pest management strategies includes the use of quarantine?
a. *Prevention
b. Avoidance
c. Monitoring
d. Suppression

2. Which pest has an immature stage that causes plant damage by chewing?
a. *Moth
b. Aphid
c. Leafhopper
d. Mite

3. When should pest monitoring be ended?
a. *When pests can no longer do economic damage.
b. When pests can no longer do plant damage.
c. When the pest infestation is at its peak.
d. When beneficial insects are at their peak.

4. The continued use of a particular pesticide leads to
a. the same genetic pool year after year.
b. *the shift of pest genetics toward resistance.
c. the shift of pest genetics away from resistance.
d. the transfer of genes from pests to crops.

Crop Management

1. The yields of varieties A, B, and C are 60, 65, and 59 bu per acre. If the LSD is 5, which of the following is true?
a. There are no significant differences in yield.
b. The yield of variety B is significantly higher than variety C.
c. *The yield of variety B is significantly higher than varieties A and C.
d. The yield of variety A is significantly higher than variety C.

2. If pure seed content is 90% and germination is 80%, what is the %PLS?
a. 90%
b. 85%
c. *72%
d. 80%

3. Uptake that occurs because roots grow in direct proximity to nutrients is
a. diffusion.
b. mass flow.
c. *interception.
d. lateral flow.

4. If the basis is high, then
a. demand is low, and it's time to sell.
b. demand is high, and it's not yet time to sell.
c. demand is low, and it's not yet time to sell.
d. *demand is high, and it's time to sell.

About the ICCA Practice Exam

This tool can help you become familiar with the exam format and help highlight gaps in your knowledge as you prepare for the International CCA exam. No question on the practice exam appears on the ICCA Exam. A passing score on the practice exam is not a guarantee of a passing score on the ICCA exam. Learn more about our study tools here.