

20 Points

Answer the questions

1. Why is biological control of plant diseases more difficult than biological control of insects and weeds? (2 pts)
2. What are two characteristics that make weeds very competitive against agronomic crops? (2 pts)
3. _____ weeds re-establish from seeds and only live for one season (2 pts)
 - a. Biennial
 - b. Perennial
 - c. Annual
4. Which statement is not true about soil applied herbicides (2 pts)
 - a. Soil texture influences herbicide activity
 - b. They require less than ¼" rain to activate
 - c. They typically remain about three weeks
 - d. Soil pH can influence herbicide activity
5. What is an advantage and disadvantage of post applied herbicides? (2pts)
 - a. Soil type does not influence activity and weed size is unimportant
 - b. Can identify the weed before spraying dry conditions are not a problem
 - c. Rain is not needed to activate herbicide and rain can delay application
6. You are working as an intern with an experienced agronomist and you are meeting with a customer that sprays their own fields and this is the plan for the spray:
 - a. **Corn** Burndown with Glyphosate (9) + Atrazine (5) + Metolachlor (Dual 15) + Mesotrione (27) +/- Bicyclopyrone (27)
 - b. **Soybean** Spring burndown Glyphosate (9) + residual (Dual or Warrant 15) + Dicamba or 2,4-D (4) + possibly Metribuzin (5)

The customer says they think they have waterhemp in their alfalfa and the agronomist says that Warrant (15) is labeled for alfalfa and can be sprayed after the cutting.

What concern do you have about this program across all the farmers acres? (4 pts)



7. The mode of action in the photo is a pigment inhibitor blocking production of? (2 pts)
- a. Aromatic amino acids
 - b. Chlorophyll
 - c. Cell membrane
 - d. Cuticle
8. What are two benefits of the exoskeleton? (2 pts)
9. Why are there so few insects that cause problems to the corn crop in northwest Ohio? (2 pts)

James A. Rhodes State College