

What Do You Know About Fire Ants? - Answer Key

	True	False
1. In areas with single queen colonies, imported fire ant workers will prey on winged fire ant queens that fly into their territory.	X	
2. The best time to apply a fire ant bait is just before a rain, so the rain can help spread the bait around.		X
3. Fourth instar fire ant larvae are fed solid food. It is their job to convert it into a liquid form which is fed to all other members of the colony.	X	
4. Ants die faster when you apply higher rates of insect growth regulator baits		X

Multiple choice (Please mark the box next to the BEST answer to each question):

5. Match the following fire ant bait active ingredients (brand name) with one or more of these modes of action: a. metabolic inhibitors/nerve poison b. insect growth regulator c. insect growth regulator-like	
A	Hydramethylnon (Amdro)
B	Fenoxycarb (Award)
B	s-methoprene (Extinguish)
B	pyriproxifen (Distance)

C	Abamectin (Varsity)
A	Fipronil (Ceasefire)
A	Indoxacarb (Advion)
AB	Hydramethylnon + s-methoprene (Extinguish Plus)

6. Fire ant baits can be stored, tightly sealed, in a cool dry place for	
	a. up to 3 months
	b. up to 6 months
X	c. about 1-2 years
	d. up to 5 years
7. The Herd fire ant spreaders are calibrated to dispense fire ant bait at the rate of:	
X	a. 1- 1.5 lb. per acre
	b. 1- 1.5 lb. per 1000 sq. ft.
	c. 1- 1.5 lb. per 10,000 sq. ft.
	d. 10 lb per acre
8. An insect growth regulator product eliminates ant colonies by:	
	a. killing the foraging fire ant workers
X	b. stopping the queen from laying eggs that are capable of hatching
	c. preventing workers from tending the brood
	d. all of the above
	e. none of the above

9. What is the best way to control fire ants?		
	a. gasoline	
	b. baits	
	c. individual mound treatment	
	d. grits	
X	e. there is no single best way to control fire ants because fire ant control is site specific	
10. When applied at a rate of 1.5 lbs of product per acre, how many granules are there in a square foot?		
	a. 1	
	b. 5	
X	c. 20	
	d. none of the above	
11. What does the presence of no larvae or only reproductive ant brood indicate about the health of a colony?		
	a. a healthy colony	
	b. a young colony	
X	c. a declining colony	
	d. any of the above	
12. Match the Fire Ant Bait (common name) with the speed of activity a. a few days b. two weeks c. 6-12 weeks		
A	Advion (indoxacarb)	B Amdro (hydramethylnon)

B	Ceasefire (fipronil)	C	Award (fenoxycarb)
C	Distance Fire Ant Bait (pyriproxifen)	C	Ascend (abamectin)
C	Extinguish ((S)-methoprene)	B	Extinguish Plus (hydramethylnon + (S)-methoprene)
Bonus Question			
13. What are the fastest acting bait products?			
	a. baits with (S)-methoprene as the active ingredient		
X	b. baits with indoxacarb as the active ingredient		
	c. baits that are broadcast		
	a and c		
	b and c		