

Name _____

AP BIOLOGY EXAM TWELVE

FREE RESPONSE QUESTION

Invasive species, such as red fire ants, introduced into an ecosystem often threaten native plants and animals.

- (a) **Describe** THREE different factors that contribute to the success of invasive species in an ecosystem.
- (b) **Discuss** THREE ways that an invasive species can affect its new ecosystem.
- (c) The map indicates the spread of the red fire ant after its initial entrance into the United States at the port of Mobile, Alabama, in the 1930s. **Discuss** TWO environmental factors that might have determined the pattern of fire ant invasion.
- (d) **Discuss** TWO possible methods of eradicating or slowing the spread of these ants, including the environmental consequences of each method.

FIRST REPORTED OCCURRENCE OF RED
IMPORTED FIRE ANT, *SOLENOPTIS INVICTA*

