

Pig Health – Fumonisin Poisoning

First Name:		Last Name:	
Email:			Veterinary Practice:
Postcode:		Date:	

Please circle one answer only e.g. **A**

1. Mycotoxins are poisons produced by which group of microorganisms?
 - a. Bacteria
 - b. Viruses
 - c. Fungi
 - d. Worms
2. Which of the following statements is true of Mycotoxins?
 - a. There are many hundreds of different types produced
 - b. All mycotoxins are harmful to pigs
 - c. All mycotoxins are produced by a single species of fungus
 - d. Where one fungal toxin occurs it is unlikely that others will be present
3. Ergot is produced by which fungus which grows on pasture?
 - a. Penicillium sp
 - b. Aspergillus sp
 - c. Fusarium sp
 - d. Claviceps sp
4. Which of the following toxins is not produced by Fusarium sp of fungus?
 - a. DON
 - b. Aflatoxin
 - c. Zeralenone
 - d. Fumonisin
5. The most likely presentation of Fumonisin poisoning in pigs is
 - a. Dry gangrene of the extremities
 - b. Infertility
 - c. Sudden death
 - d. Increased appetite
6. Which of the following statements is true of mycotoxins?
 - a. They only occur when moulds are visible
 - b. They can be present even when moulds are not visible
 - c. Toxins are visible
 - d. Mouldy food stuck in a feed bin is safe
7. Fusarium fungi are most likely to grow on feed stored in
 - a. Dry cool conditions
 - b. Dry warm conditions
 - c. Well ventilated conditions
 - d. Warm damp conditions
8. Which of the following is not likely to be true if feed is left in storage bins for prolonged time in warm weather?
 - a. Vitamin levels may decay
 - b. Moulds will tend to grow
 - c. Palatability will improve

- d. Mycotoxin risk increases
9. The most likely gross post mortem finding in a pig which has died of Fumonisin poisoning is
- a. Massive oedema in the lungs
 - b. Massive oedema in the liver
 - c. Mould growing in the lungs
 - d. Pneumonia
10. Which of the following actions is least appropriate to minimise mycotoxin contamination in feed bins?
- a. Only fill with food that has fully cooled
 - b. Keep bins continually in use never allowing them to empty
 - c. Periodically empty bins completely and clean them
 - d. Incorporate a mycotoxin binder in the feed