

***** EXAMINATION *****

FEEDING RICE STRAW TO CATTLE

1. **The largest single cost of producing beef is**
 - a) shelter
 - b) land
 - c) feed
 - d) vaccines

2. **If not feed to cattle, rice straw is**
 - a) burnt
 - b) re-cycled
 - c) used for chemical refining
 - d) None of the above

3. **A disadvantage of alternative feeds is**
 - a) variable consistency
 - b) potential toxicants
 - c) unusual composition
 - d) All of the above

4. **Rice straw should be baled within**
 - a) 6 days
 - b) 10 days
 - c) 14 days
 - d) 21 days

5. **The rice straw should be tested for crude protein**
 - a) before purchase
 - b) after purchase
 - c) before transporting to the feed lot
 - d) after transporting to the feed lot

6. **Rice straw has a**
 - a) 4% to 8% silica content
 - b) 8% to 14% silica content
 - c) 15% to 20% silica content
 - d) 20% to 25 % silica content

7. **Oxalates in rice straw**
 - a) increase the absorption of nitrogen
 - b) decrease the absorption of nitrogen
 - c) decrease the absorption of calcium
 - d) increase the absorption of calcium
8. **Palatability of rice straw includes**
 - a) smell
 - b) flavor
 - c) color
 - d) All of the above
9. **The crude protein content of rice straw should be**
 - a) 2.5% or higher on a dry matter basis
 - b) 4.5% or higher on a dry matter basis
 - c) 6.5% or higher on a dry matter basis
 - d) 8.5% or higher on a dry matter basis
10. **The acid detergent fiber of rice straw should be**
 - a) 10% or lower on a dry matter basis
 - b) 30% or lower on a dry matter basis
 - c) 50% or lower on a dry matter basis
 - d) 70% or lower on a dry matter basis
11. **Back hauling rice straw after transporting alfalfa**
 - a) reduces transportation costs
 - b) reduces the age of the rice straw after harvesting
 - c) increases the protein content of the rice straw
 - d) increases the nutrient content of the rice straw
12. **Average milking cows with calves should have their**
 - a) rice straw content restricted to 15% of their diet
 - b) rice straw content restricted to 25% of their diet
 - c) rice straw content restricted to 35% of their diet
 - d) rice straw content restricted to 45% of their diet
13. **Dry cows should have their**
 - a) rice straw content restricted to 10% of their diet
 - b) rice straw content restricted to 30% of their diet
 - c) rice straw content restricted to 50% of their diet
 - d) rice straw content restricted to 70% of their diet
14. **The advantage of using large rice straw bales is**
 - a) decreased labor
 - b) decreased rice straw waste
 - c) longer nutrient life
 - d) longer protein life

15. **The cost of a rice straw ration is about**
- a) double the cost of the rice straw without transportation
 - b) triple the cost of the rice straw without transportation
 - c) quadruple the cost of the rice straw without transportation
 - d) the same as the cost of the rice straw without transportation
16. **A rice straw acid detergent fiber of 45% will have a**
- a) total digestible nutrient value of 34.1%
 - b) total digestible nutrient value of 44.1%
 - c) total digestible nutrient value of 47.9%
 - d) total digestible nutrient value of 51.7%
17. **A rice straw acid detergent fiber of 50% will have a**
- a) total digestible nutrient value of 34.1%
 - b) total digestible nutrient value of 44.1%
 - c) total digestible nutrient value of 47.9%
 - d) total digestible nutrient value of 51.7%
18. **A rice straw acid detergent fiber of 55% will have a**
- a) total digestible nutrient value of 34.1%
 - b) total digestible nutrient value of 44.1%
 - c) total digestible nutrient value of 47.9%
 - d) total digestible nutrient value of 51.7%
19. **Low protein content of rice straw will require**
- a) additional protein supplements added to the rations
 - a) additional vitamin supplements added to the rations
 - a) additional oxalate supplements added to the rations
 - a) None of the above
20. **Rice straw produces about**
- a) the same ash content as alfalfa
 - b) double the ash content of alfalfa
 - c) triple the ash content of alfalfa
 - d) quadruple the ash content of alfalfa

GEOGRAPHIC INFORMATION SYSTEMS
 GEOGRAPHIC INFORMATION CENTER
 PO BOX 5839
 MC ALLEN, TEXAS 78502-5839

1-800-522-0139
 kh@acnet.net
 Copyright 2012

*** ANSWER SHEET *** U319 FEEDING RICE STRAW TO CATTLE	<u>STATE BOARD</u>	<u>COURSE NO.</u>	<u>VALUE</u>
			8 PDH
Office Use Only			

FILL IN ONE BOX FOR EACH ANSWER.

	A	B	C	D
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

I hereby certify that I studied the course materials, and the above answers are my own. No other person has helped me to complete this exam.

 Signature

 Date

 Printed or typed name

 Seal or Number

**GEOGRAPHIC INFORMATION SYSTEMS
GEOGRAPHIC INFORMATION CENTER
PO BOX 5839
MC ALLEN, TEXAS 78502-5839**

1-800-522-0139

**kh@acnet.net
Copyright 2012**

Name _____

Company _____

Address _____

City _____ **State** _____ **Zip** _____

Telephone _____ **E-Mail** _____

Fax _____ () **24-Hour Fax**

() **Yes** () **No** If fax and telephone are the same number, shall we call first?

Mail certificates to above address _____ **check address** _____ **envelope address** _____

State + Specialty + PE Registration number (i.e. TX EE 12389) _____

State + Professional Land Surveying registration number _____

NC (North Carolina) + Specialty + PE Registration number _____

NC (North Carolina) + Land Surveying Registration Number _____

Professional Affiliations _____

Return this page with your answer sheet and a check or money order For \$100 per course. Use one check for each registrant (in your company) taking one or more courses. We accept company checks (if they are your employer's). We do not accept third-party checks or checks outside of your city of residence. Using third-party checks that do not include your name or company name may invalidate your professional development hours being reviewed by an audit process. Add \$5 for same day processing and priority shipping.

Make checks or money orders payable to Geographic Information Systems.

