Module 14:Technological Advances in Nutrient Management ROCKY MOUNTAIN CCA SELF-STUDY EXAMINATION

4449-14 QUIZ

DIRECTIONS

- 1. Clearly mark an "X" next to the best answer to each question. Complete evaluation form and registration form.
- 2. Tear out this page and place in envelope along with a \$10 check (processing fee) payable to the American Society of Agronomy (or fill out credit card information). Payment in U.S. funds only.
- 3. Mail self-study exam and fee to: ASA c/o CCA Self-Study Exam, 677 S. Segoe Road, Madison, WI 53711.

A passing exam score (70%) is worth 1.0 Rocky Mountain CEU in **nutrient management**.

Ų	UESTIONS
1.	Which

1.	Which of the following is a GIS application? [] a. Positioning a vehicle [] b. Differential correction	[] c. Mapping in-field P availability[] d. Measuring chlorophyll content					
2.	Is Selective Availability a concern for GPS users today? [] a. Yes, interference occurs frequently [] b. Yes, it often results in inaccurate readings [] c. No, it hasn't been a concern since 2000 [] d. No, it's never really been a concern						
3.	One Montana study showed that vegetation indices are well correlated with biomass but not well correlated to [] a. Total biomass [] b. Late-season yield [] c. Percent N [] d. Bare soil						
4.	What is a benefit of using GPS when applying nutrients or o [] a. Improves RS interpretation [] b. Avoids misapplication of nutrients	ther inputs? [] c. Assesses field variability [] d. Locates N deficiencies					
5.	Of the following, when is GPS signal loss most likely to occu [] a. When picking up five satellites [] b. When surrounded by tall trees [] c. When in an open field [] d. When using differential correction	ır?					
6.	What is an advantage of RS? [] a. Useful for large areas [] b. Quick processing	[] c. Cloud cover is not a problem [] d. Low cost					
7.	Where is visible light within the electromagnetic spectrum? [] a. Near the longest wavelengths [] b. Near the lowest frequencies [] c. Between radio and micro-waves [] d. Between ultra-violet and infrared waves						
8.	According to a Montana study, can you usually tell a different [] a. Yes, you can see plow lines on tilled fields [] b. Yes, one is circular and the other square [] c. There is a difference but you can't see it with the nake [] d. No, there is no difference						

9. What effect did live bioma[] a. decreased[] b. no change							
_	bably been slow in the Northern Great Plains? anywhere in the US	.v.iv.iip					
SELF STUDY E	EVALUATION FORM: Nutrient Man	ıageme	nt Mo	dule	14		
R	tating Scale: 1 = Strongly Disagree 5 =	Strongly A	Agree				
Information presented will be	useful in my daily crop advising activities:	1	2	3	4	5	
Information was organized and logical:			2	3	4	5	
Graphics/tables were appropri	1	2	3	4	5		
I was stimulated to think how to use and apply the information presented:			2	3	4	5	
The article addressed the state	ed competency area and performance objective(s)	1	2	3	4	5	
	addressed in future self-study materials: DY EXAM REGISTRATION FORM-FOR ROCKY M	ountain CC	'A Cred	IT			
Name:							
Address:							
City, State, Zip:							
CCA Certification #:							
Credit Card #:	Type of Card: Visa Mast	ercard Di	scovery _	Am Ex	press	_	
Expiration Date:	Name on Card:					-	
A \$2.00 Processing Fee will b	be added to all credit card charges.						
I certify that I alone completed	d this self-study course and recognize that an ethic	es violation r	nay revol	ke my CC	A status	; .	

Date

Signature of Registrant as it appears on Code of Ethics