



ROCKY MOUNTAIN CCA SELF-STUDY EXAMINATION

DIRECTIONS

- 1. Clearly mark an "X" in the brackets 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 \$15 check (processing fee) payable to the American Society of Agronomy (or fill out credit card information). Payment in U.S. currency 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 1.5 Rocky Mountain CEU's in soil and water management.

QUESTIC	NS
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QL 1.	UESTIONS Saltation is [] a. The movement of particles by wind high into the [] b. The wind-induced movement of particles in a be [] c. The suspension of fine particles in water [] d. Particles rolling across the surface						
2.	0 , 60 0 ,	tible to wind erosion?] c. A loose, dry soil] d. A smooth, wet soil					
3.	· · · · · · · · · · · · · · · · · · ·	ne U.S.] c. Decreased by 38%] d. Initially decreased, but then increased					
4.		duce erosion, it is recommended to leave stubble] c. At an intermediate height] d. Tilled under					
5.] c. Maintain erosion rates] d. Increase SOM levels					
6.		soil erosion by water ?] c. HEL] d. T-value					
7.	The T value is [] a. The amount of soil lost each year [] b. The amount of soil lost each year to wind erosion [] c. The amount of tolerable soil lost each year witho [] d. The value obtained by dividing RUSLE by WEO	ut negatively affecting productivity					
8.	To obtain the most accurate estimation of percent residue cover using the line-transect method, it is recommended to [] a. Set the measuring tape straight and perpendicular to rows [] b. Set the measuring tape straight and at a 45° angle across rows [] c. Use a flexible tape that can curve around bare areas [] d. Only use the most covered areas of a field for measurement						
9.	, ,] c. Increasing surface roughness] d. Compacting the soil					
10.	<u> </u>	wind is] c. Creep] d. Sheet					

11.	Is PAM an effective amendment for dryland opera [] a. No, because of its high solubility in the soil [] b. Yes, PAM's high solubility makes it ideal fo [] c. No, because of its low solubility and high a [] d. Yes, because of its high gypsum content	l, most PAM will be washed away r use in dryland systems					
12.	In Montana and Wyoming, erosion causes to [] a. Irrigation-induced [] b. Tillage	the majority of erosion. [] c. Water [] d. Wind					
13.	Rill erosion is the [] a. Uniform distribution of a thin layer of wate [] b. Channeling of water into small channels th [] c. Channeling of water into large channels tha [] d. Movement of water downhill by rainsplash	at can be smoothed by tillage at cannot be smoothed by tillage					
14.	Compared to conventional till, a study by Schillin [] a. Surface residue and clod mass was decreased [] b. Surface residue and clod mass was increased [] c. Yield was decreased in minimum till plots [] d. Water use efficiency was decreased in minimum	d by twice the amount in minimum till plo d by twice the amount in minimum till plo					
15.	Based on Figure 2, the wind speeds 40 in. above a [] a. 5 and 0 ft/sec, respectively [] b. 5 and 20 ft/sec, respectively	vegetated surface and bare surface were [] c. 0 and 5 ft/sec, respectively [] d. 20 and 5 ft/sec, respectively					
	SELF-STU	JDY EVALUATION FOR	M				
	SOIL A	AND WATER MODULE #3	STRONG DISAGR	LY EE ←			RONGL AGREE
Info	ormation presented will be useful in my daily crop a	advising activities		2	3	4	5
Info	ormation was organized and logical		1	2	3	4	5
Gra	phics/tables were appropriate and enhanced my lea	rning	1	2	3	4	5
I w	as stimulated to think how to use and apply the infe	ormation presented	1	2	3	4	5
The	article addressed the stated competency area and p	performance objective(s)	1	2	3	4	5
	What suggestions (general and specific) do you h	have to improve future modules?					
	Topics you would like to see addressed in future	self-study materials:					
	SELF-STUDY E	XAM REGISTRATION F	ORM				
	FOR ROCK	CY MOUNTAIN CCA CRED	IT				
Na	me:						
Ado	lress:						
Cit	y, State, Zip:						
CC	A Certification #: Cred	lit Card Type and #					
Exp	viration Date: Nam						
I ce	rtify that I alone completed this self-study course a	A $$2.00$ Processing Fee will b nd recognize that an ethics violation may a				charges	:

Date

Signature of registrant as it appears on Code of Ethics