

Questionnaire
Number
468

District Code
Number 23 ← Name 8 Code No signature
Location _____
Date 1971

Start

Rest-Rotation Grazing Management

This questionnaire is designed to provide information for guiding future rest-rotation grazing training and management efforts. It is directed mainly at personnel involved with renewable resource management.

Please answer all questions. Fill out page 7, detach and keep in your possession. Summaries and answers will be available in about a month after the questionnaires are returned to Berkeley. You may sign the questionnaire if you wish, but it is not necessary.

Background on participant

1. Location

Classification of offices

(Circle applicable)

Not used
C →

- Washington Office . . . Administration . . . 1
- Denver Service Center . . . Management . . . 2
- Portland Service Center . . . Management . . . 3
- State Office . . . Administration . . . 4
- District Office . . . Management . . . 5
- ~~Area Office 6~~
- Alaska 7
- Arizona 8
- California 9
- Colorado 10
- Idaho 11
- Montana 12
- Nevada 13
- New Mexico 14
- Oregon 15
- Utah 16
- Washington 17
- Wyoming 18

Total number of states
Alaska to Wyoming 11

Combine with Oregon

When state office or District office circled appropriate state also circled

2. Activity

(Circle one)

- Management 1
- Administration 2
- Legislation, plans 3
- Education 4
- Other (please specify) 5

3. Function or Specialty

(Circle one)

- Resource management 1
- Range management 2
- Watershed management 3
- Wildlife management 4
- Recreation management 5
- Forest management 6
- Resource protection (fire, pests, diseases) 7
- Other (please specify) 8

Code number 8 in questions 4 to 27 means question not answered or no entry

4. Have you read Mr. Hormay's publication -- "Principles of Rest-Rotation Grazing and Multiple-Use Land Management" U.S. Dept. of Interior, Bureau of Land Management; U.S. Dept. of Agriculture, Forest Service (TT-4) (2200) Sept. 1970?

- NA* Yes (Circle one)
- No 1
- Don't know 2
- 3

5. How many one-day long (or longer) rest-rotation grazing management training sessions conducted by Mr. Hormay have you attended?

- (Circle one)
- None 1
- One 2
- Two 3
- Three or more 4

6. How would you describe Mr. Hormay's teaching methods?

- (Circle one)
- Poor 1
- Fair 2
- Good 3
- Very good 4
- Excellent 5
- Have not heard him 6

7. How many rest-rotation grazing management plans have you prepared?

- (Circle one)
- None 1
- One 2
- Two 3
- Three or more 4

When answer here is 1 question 8 is not applicable

8. How many of the plans in question No. 7 are in operation?

- (Circle one)
- None 1
- One 2
- Two 3
- Three or more 4
- Don't know 5
- Not applicable* 6

9. How useful is the information on rest-rotation grazing management in the BLM manual in preparing a rest-rotation grazing plan?

- (Circle one)
- No use 1
- Little use 2
- Some use 3
- Very useful 4
- Don't know 5

10. If you have not had training in rest-rotation grazing management would you like some?

(Circle one)

Yes 1
No 2
Don't know 3
Not applicable (when 11 is ①) 4

11. If you have had some training in rest-rotation grazing management would you like more?

(Circle one)

Yes 1
No 2
Don't know 3
Not applicable (when 10 is ①) 4

12. In your opinion is rest-rotation grazing management scientifically sound?

(Circle one)

Yes 1
No 2
Don't know 3

13. Do you know of a more effective, widely applicable, practical grazing method than rest-rotation grazing?

(Circle one)

Yes 1
No 2
Don't know 3

If the answer to question No. 13 is yes, name or briefly describe the method or system.

14. Is the Bureau of Land Management committed to sustained yield multiple-use management of the renewable land resources under its jurisdiction?

(Circle one)

Yes 1
No 2
Don't know 2

Questions on Rest-Rotation Grazing Management

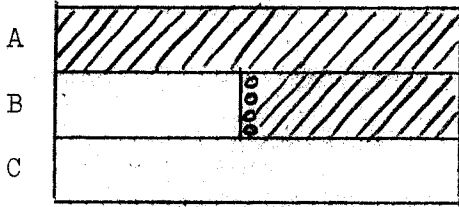
15. The main purpose of a rest-rotation grazing plan is livestock production.

(Circle one)

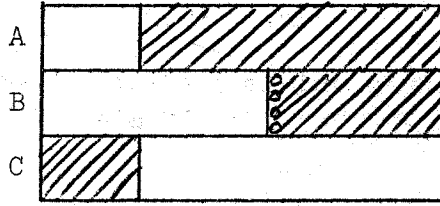
True 1
False 2
Don't know 3

16. The rest-rotation grazing system calls for heavy grazing in some pastures.
(Circle one)
True 1
False 2
Don't know 3
17. Rest-rotation grazing management cannot be started advantageously until all pastures are established.
(Circle one)
True 1
False 2
Don't know 3
18. Under rest-rotation grazing, range improvement is brought about mainly by proper stocking, proper season of use, and proper livestock distribution.
(Circle one)
True 1
False 2
Don't know 3
19. Under rest-rotation grazing management, plant composition is determined mainly by soil condition and climate.
(Circle one)
True 1
False 2
Don't know 3
20. Heavily deteriorated ranges require more rest from grazing than moderately deteriorated ones.
(Circle one)
True 1
False 2
Don't know 3
21. For the purpose of maximizing livestock production the rest-rotation grazing system calls for frequent moving of livestock to ungrazed pastures.
(Circle one)
True 1
False 2
Don't know 3
22. Under rest-rotation grazing, a range can be improved with any stocking rate beneficial to livestock.
(Circle one)
True 1
False 2
Don't know 3

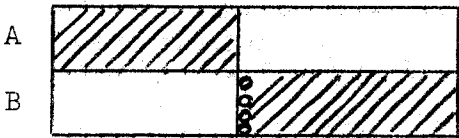
23. Each of the following 6 grazing formulas was developed for a particular range and satisfies plant, animal and soil requirements. Which of these are rest-rotation grazing formulas? Identify them by circling the appropriate formula numbers on the right hand side of the page.



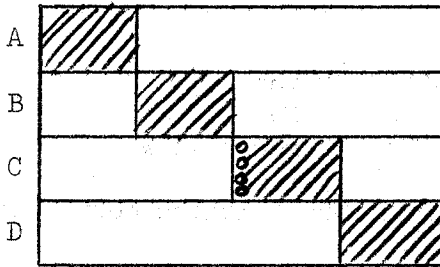
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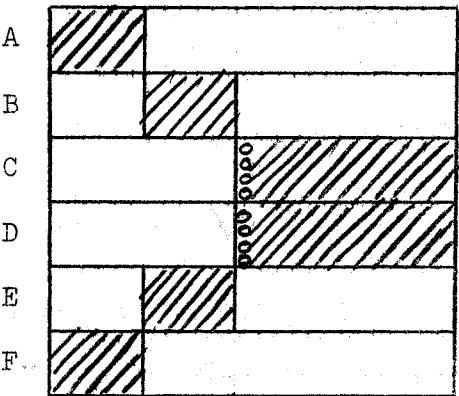
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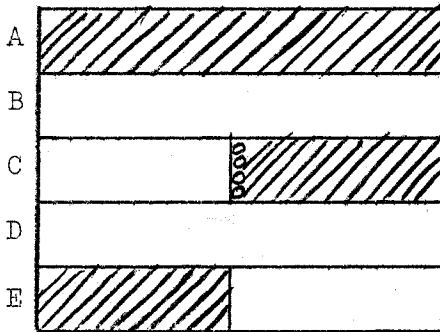
3



4



5



6

Formula Number

1

2

3

4

5

6

Don't know 7

Answers Code No

~~All six~~

Right

1

All six circled

Wrong

2

Five or less circled

Don't know

3

-5- Number 7 circled

Special case (where 1 and 6 are circled)

Wrong

2

(and 1 in column 49) where answer is 1 and 6

0 any other

Are the following statements in keeping with the philosophy of rest-rotation grazing management?

24. When proper use is reached on the key species livestock are moved to the next pasture.

(Circle one)

Yes	1
No	2
Don't know	3

25. Cultural practices such as seeding, spraying, chaining and erosion control work should be completed before grazing management is started.

(Circle one)

Yes	1
No	2
Don't know	3

26. Overstocking is the most important single cause of rangeland deterioration.

(Circle one)

Yes	1
No	2
Don't know	3

27. Rangelands can be rehabilitated most rapidly by exclusion of livestock grazing.

(Circle one)

Yes	1
No	2
Don't know	3

51

An entry of 1 in column 51 means The respondent made comments on questions or the questionnaire

Name ALH
 Location _____
 Date _____

Questionnaire
 Rest-Rotation Grazing Management

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Please answer all questions. Fill out page 7, detach and keep in your possession. Summaries and answers will be available in about a month after the questionnaires are returned to Berkeley. You may sign the questionnaire if you wish, but it is not necessary.

Background on participant

1. Location (Circle applicable)

- Washington Office 1
- Denver Service Center 2
- Portland Service Center 3
- State Office 4
- District Office 5
- Area Office 6
- Alaska 7
- Arizona 8
- California 9
- Colorado 10
- Idaho 11
- Montana 12
- Nevada 13
- New Mexico 14
- Oregon 15
- Utah 16
- Washington 17
- Wyoming 18

2. Activity (Circle one)

- Management 1
- Administration 2
- Legislation, plans 3
- Education 4
- Other (please specify) 5

3. Function or Specialty (Circle one)

- Resource management 1
- Range management 2
- Watershed management 3
- Wildlife management 4
- Recreation management 5
- Forest management 6
- Resource protection (fire, pests, diseases) 7
- Other (please specify) 8

4. Have you read Mr. Hormay's publication -- "Principles of Rest-Rotation Grazing and Multiple-Use Land Management" U.S. Dept. of Interior, Bureau of Land Management; U.S. Dept. of Agriculture, Forest Service (TT-4) (2200) Sept. 1970?

(Circle one)

Yes	1
No	2
Don't know	3

5. How many one-day long (or longer) rest-rotation grazing management training sessions conducted by Mr. Hormay have you attended?

(Circle one)

None	1
One	2
Two	3
Three or more	4

6. How would you describe Mr. Hormay's teaching methods?

(Circle one)

Poor	1
Fair	2
Good	3
Very good	4
Excellent	5
Have not heard him	6

7. How many rest-rotation grazing management plans have you prepared?

(Circle one)

None	1
One	2
Two	3
Three or more	4

8. How many of the plans in question No. 7 are in operation?

(Circle one)

None	1
One	2
Two	3
Three or more	4
Don't know	5

How long in effect?
Long enough to appraise effectiveness.

9. How useful is the information on rest-rotation grazing management in the BLM manual in preparing a rest-rotation grazing plan?

(Circle one)

No use	1
Little use	2
Some use	3
Very useful	4
Don't know	5

10. If you have not had training in rest-rotation grazing management would you like some?

(Circle one)

- Yes 1
- No 2
- Don't know 3

11. If you have had some training in rest-rotation grazing management would you like more?

(Circle one)

- Yes 1
- No 2
- Don't know 3

12. In your opinion is rest-rotation grazing management scientifically sound?

(Circle one)

- Yes 1
- No 2
- Don't know 3

13. Do you know of a more effective, widely applicable, practical grazing method than rest-rotation grazing?

(Circle one)

- Yes 1
- No 2
- Don't know 3

If the answer to question No. 13 is yes, name or briefly describe the method or system.

AK, Bruce

14. Is the Bureau of Land Management committed to sustained yield multiple-use management of the renewable land resources under its jurisdiction?

(Circle one)

- Yes 1
- No 2
- Don't know 2

Questions on Rest-Rotation Grazing Management

15. The main purpose of a rest-rotation grazing plan is livestock production.

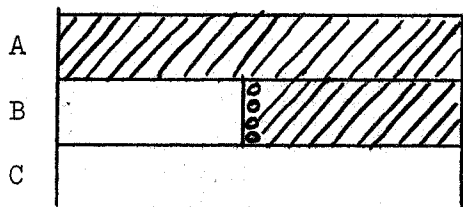
(Circle one)

- True
- False
- Don't know

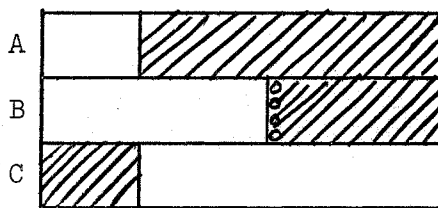
1
2 10
3

16. The rest-rotation grazing system calls for heavy grazing in some pastures.
 (Circle one)
 True 1
 False 2
 Don't know 3
17. Rest-rotation grazing management cannot be started advantageously until all pastures are established.
 (Circle one)
 True 1
 False 2
 Don't know 3
18. Under rest-rotation grazing, range improvement is brought about mainly by proper stocking, proper season of use, and proper livestock distribution.
 (Circle one)
 True 1
 False 2
 Don't know 3
19. Under rest-rotation grazing management, plant composition is determined mainly by soil condition and climate.
 (Circle one)
 True 1
 False 2
 Don't know 3
20. Heavily deteriorated ranges require more rest from grazing than moderately deteriorated ones.
 (Circle one)
 True 1
 False 2
 Don't know 3
21. For the purpose of maximizing livestock production the rest-rotation grazing system calls for frequent moving of livestock to ungrazed pastures.
 (Circle one)
 True 1
 False 2
 Don't know 3
22. Under rest-rotation grazing, a range can be improved with any stocking rate beneficial to livestock.
 (Circle one)
 True 1
 False 2
 Don't know 3

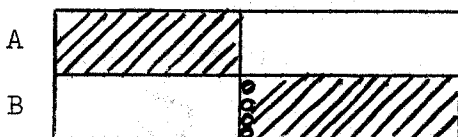
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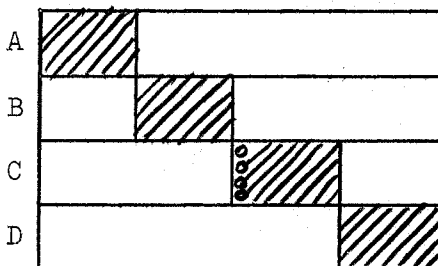
1



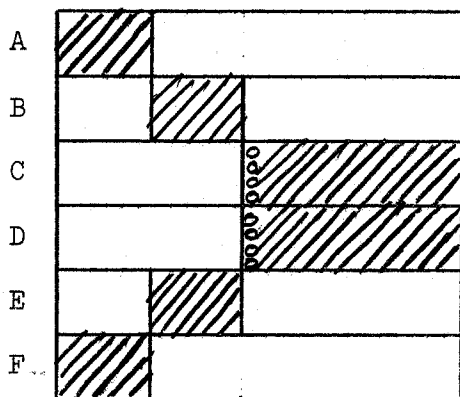
2



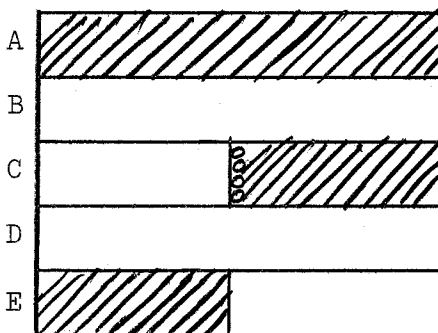
3



4



5



6

Formula Number

- 1
- 2
- 3
- 4
- 5
- 6

15

Don't know 7

Are the following statements in keeping with the philosophy of rest-rotation grazing management?

24. When proper use is reached on the key species livestock are moved to the next pasture.

(Circle one)

Yes
No
Don't know

1
2
3

5

25. Cultural practices such as seeding, spraying, chaining and erosion control work should be completed before grazing management is started.

(Circle one)

Yes
No
Don't know

1
2
3

5

26. Overstocking is the most important single cause of rangeland deterioration.

(Circle one)

Yes
No
Don't know

1
2
3

10

27. Rangelands can be rehabilitated most rapidly by exclusion of livestock grazing.

(Circle one)

Yes
No
Don't know

1
2
3

5

Name _____

Date _____

Replies to statements and questions in the rest-rotation grazing management questionnaire.

<u>Statement or question</u>	<u>Reply</u>	<u>Statement or question</u>	<u>Reply</u>
1	_____	15	_____
2	_____	16	_____
3	_____	17	_____
4	_____	18	_____
5	_____	19	_____
6	_____	20	_____
7	_____	21	_____
8	_____	22	_____
9	_____	23	_____
10	_____	24	_____
11	_____	27	_____
12	_____	26	_____
13	_____	27	_____
14	_____		

Answers

TABLE 2. ANSWERS TO QUESTIONS 15 TO 27 OF REST-ROTATION
GRAZING MANAGEMENT QUESTIONNAIRE 1/

<u>QUESTION</u>	<u>ANSWER</u>	<u>EXPLANATION</u>
15	False	Main purpose is high-level sustained production of all renewable resource values.
16	False	Degree of use of vegetation is not indicated or specified by the system. It is determined by the land manager.
17	False	Management can be started with but one pasture.
18	False	Range improvement is brought about mainly by resting the range from use.
19	True	
20	False	The amount of rest needed for food production and storage and seedling establishment is essentially the same on moderately and heavily deteriorated ranges.
21	False	No moving or minimum moving of animals is recommended.
22	True	
23	All six	A rest-rotation system is designed by the land manager for the specific situation so as to meet plant, soil, and animal requirements and management objectives. The answer to this question is given in the first sentence of the question.

<u>QUESTION</u>	<u>ANSWER</u>	<u>EXPLANATION</u>
24	No	Degree of use of vegetation is not the criteria used in determining when animals can be allowed to graze in a new pasture. It is plant growth stage.
25	No	The range should be managed for a period of time before cultural treatments are applied.
26	No	Continuous grazing is the most important cause of range deterioration.
27	No	Rangelands can be rehabilitated most rapidly with livestock grazing because of such factors as planting of seed by trampling and the stimulating effect of grazing on plant growth.

1/ Answers to all these questions are contained in the material in Training Text 4 (2200)