**Questionnaire Number**

<table>
<thead>
<tr>
<th>Number</th>
<th>District Code</th>
<th>Rest-Rotation Grazing Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>468</td>
<td>23</td>
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</tbody>
</table>

**Questionnaire**

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**
   - Washington Office
   - Denver Service Center
   - Portland Service Center
   - State Office
   - District Office
   - Area Office

2. **Activity**
   - Management
   - Administration
   - Legislation, plans
   - Education
   - Other (please specify)

3. **Function or Specialty**
   - Resource management
   - Range management
   - Watershed management
   - Wildlife management
   - Recreation management
   - Forest management
   - Resource protection (fire, pests, diseases)
   - Other (please specify)

### Classification of offices

<table>
<thead>
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<th>(Circle applicable)</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>Administration</td>
</tr>
<tr>
<td>Management</td>
</tr>
<tr>
<td>Total number of states: 11 (Alaska to Wyoming)</td>
</tr>
</tbody>
</table>

**State Office or District Office circled appropriate state also circled**

- Washington
- Oregon
- Wyoming
- Total number of states: 11

**When no state office or district office circled**
   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) When answer here is 1 question 8 is not applicable
   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
   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 0) 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 0) 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 3

**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
   False
   Don't know

17. Rest-rotation grazing management cannot be started advantageously until all pastures are established. (Circle one)

   True
   False
   Don't know

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
   False
   Don't know

19. Under rest-rotation grazing management, plant composition is determined mainly by soil condition and climate. (Circle one)

   True
   False
   Don't know

20. Heavily deteriorated ranges require more rest from grazing than moderately deteriorated ones. (Circle one)

   True
   False
   Don't know

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
   False
   Don't know

22. Under rest-rotation grazing, a range can be improved with any stocking rate beneficial to livestock. (Circle one)

   True
   False
   Don't know
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.

Answers Code: No. Right = 1, Wrong = 2, Don't know = 3.

Formula Number

1
2
3
4
5
6
7

All six circled
Five or less circled
-5- Number 7 circled
Special case (where 0 and 6 are circled)
Wrong (and 1 in column 49) where answer is 0 and 6
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

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

   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

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

3. Function or Specialty

   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
   (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

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  
   No  
   Don't know

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

   Yes  
   No  
   Don't know

12. In your opinion is rest-rotation grazing management scientifically sound? (Circle one)

   Yes  
   No  
   Don't know

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

   Yes  
   No  
   Don't know

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  
   No  
   Don't know

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
16. The rest-rotation grazing system calls for heavy grazing in some pastures.  
   (Circle one)  
   True  
   False  
   Don't know  
   [1 2 3] 5

17. Rest-rotation grazing management cannot be started advantageously until all pastures are established.  
   (Circle one)  
   True  
   False  
   Don't know  
   [1 2 3] 5

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  
   False  
   Don't know  
   [1 2 3] 10

19. Under rest-rotation grazing management, plant composition is determined mainly by soil condition and climate.  
   (Circle one)  
   True  
   False  
   Don't know  
   [1 2 3] 10

20. Heavily deteriorated ranges require more rest from grazing than moderately deteriorated ones.  
   (Circle one)  
   True  
   False  
   Don't know  
   [1 2 3] 5

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  
   False  
   Don't know  
   [1 2 3] 5

22. Under rest-rotation grazing, a range can be improved with any stocking rate beneficial to livestock.  
   (Circle one)  
   True  
   False  
   Don't know  
   [1 2 3] 10
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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Don't Know 7

Formula Number

1
2
3
4
5
6

15
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.

Yes
No
Don't know

(Circle one)

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

Yes
No
Don't know

(Circle one)

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

Yes
No
Don't know

(Circle one)

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

Yes
No
Don't know

(Circle one)
Replies to statements and questions in the rest-rotation grazing management questionnaire.

<table>
<thead>
<tr>
<th>Statement or question</th>
<th>Reply</th>
<th>Statement or question</th>
<th>Reply</th>
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TABLE 2. ANSWERS TO QUESTIONS 15 TO 27 OF REST-ROTATION GRAZING MANAGEMENT QUESTIONNAIRE

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<thead>
<tr>
<th>QUESTION</th>
<th>ANSWER</th>
<th>EXPLANATION</th>
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<tr>
<td>15</td>
<td>False</td>
<td>Main purpose is high-level sustained production of all renewable resource values.</td>
</tr>
<tr>
<td>16</td>
<td>False</td>
<td>Degree of use of vegetation is not indicated or specified by the system. It is determined by the land manager.</td>
</tr>
<tr>
<td>17</td>
<td>False</td>
<td>Management can be started with but one pasture.</td>
</tr>
<tr>
<td>18</td>
<td>False</td>
<td>Range improvement is brought about mainly by resting the range from use.</td>
</tr>
<tr>
<td>19</td>
<td>True</td>
<td>The amount of rest needed for food production and storage and seedling establishment is essentially the same on moderately and heavily deteriorated ranges.</td>
</tr>
<tr>
<td>20</td>
<td>False</td>
<td>No moving or minimum moving of animals is recommended.</td>
</tr>
<tr>
<td>21</td>
<td>False</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>True</td>
<td>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.</td>
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<tr>
<td>23</td>
<td>All six</td>
<td></td>
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<tr>
<td>QUESTION</td>
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<td>EXPLANATION</td>
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</tr>
<tr>
<td>24</td>
<td>No</td>
<td>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.</td>
</tr>
<tr>
<td>25</td>
<td>No</td>
<td>The range should be managed for a period of time before cultural treatments are applied.</td>
</tr>
<tr>
<td>26</td>
<td>No</td>
<td>Continuous grazing is the most important cause of range deterioration.</td>
</tr>
<tr>
<td>27</td>
<td>No</td>
<td>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.</td>
</tr>
</tbody>
</table>

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