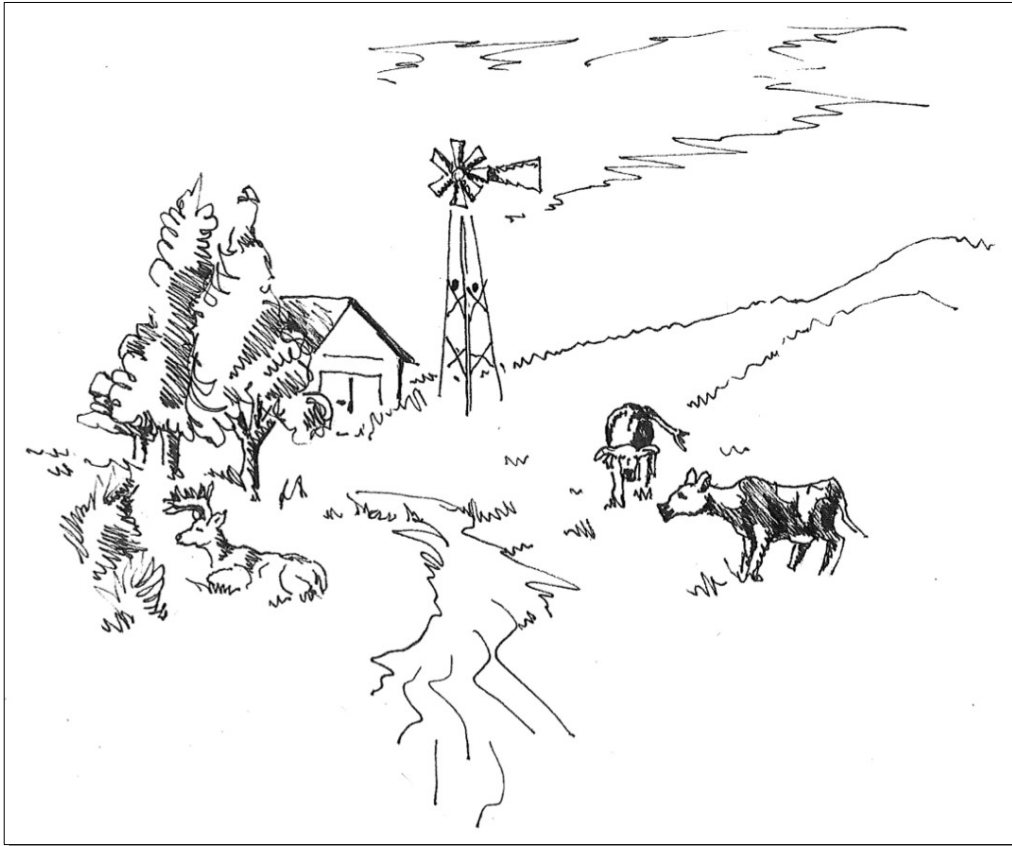


# Your Perspective on your land in the Northern Great Plains



**A Survey For:**



**Agricultural  
Research  
Service**

**Conducted By:**



Northern Great Plains Research Lab:  
Mandan, ND

**USDA Confidentiality Statement:**

The information you provide will be used for statistical purposes only. In accordance with the Confidential Information Protection provisions for Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws, your responses will be kept confidential and will not be disclosed in identifiable form to anyone other than employees or agents. By law, any ARS employee as well as every agent such as contractors and authorized researchers is subject to a jail term of up to 5 years, a fine of up to \$250,000, or both if he or she discloses ANY identifiable information about you.

Your response is voluntary and is estimated to take 15 minutes.

## ID#INTRODUCTION

The grasslands and rangelands of North Dakota are a natural resource used by a wide variety of landowners. Producers, wildlife enthusiasts, and rural residents all share this resource and may have different opinions about land use.

To better understand and address current issues in the Northern Great Plains, we'd like to ask you about your opinions and experiences in this area. Specifically, we want to know:

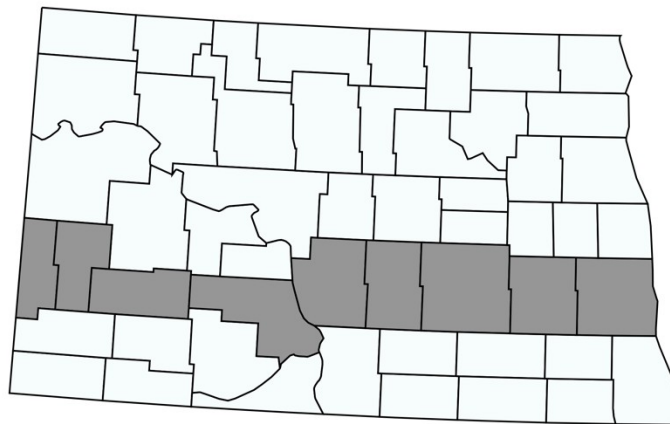
- your unique perspective about the land you own,
- your perceptions of vegetation changes on the landscape, and
- your use of land management practices.

Some sections of the survey ask about **RANGELANDS**. By **RANGELAND** we mean natural land with native prairie grasses that has never been broken out into crop land or re-seeded/planted with other species.

We will also use the term **PLACE** throughout the survey. Your **PLACE** is all of the rural land you own outside of any city limits. If you own multiple rural properties in the counties listed below, please consider them all together in terms of one overall **PLACE**:

### STUDY AREA:

- Barnes County
- Billings County
- Burleigh County
- Cass County
- Golden Valley County
- Kidder County
- Morton County
- Stark County
- Stutsman County



The nine North Dakota counties included in this study.

**Your response will be a great help!**

**BEGIN SURVEY →**

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## SECTION A: FIRST, WE INVITE YOU TO TELL US A BIT ABOUT YOU AND YOUR PLACE

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### 1. Who makes most of the day-to-day decisions about your land?

- Just me or Me and my spouse  
 Me and others (family members, business partners, land managers, leasee, etc.)  
 Only others (family members, business partners, land managers, leasee, etc.)

### 2. In a typical week, about how many hours do you spend managing, operating, or working on your place?

\_\_\_\_\_ hours

### 3. We'd like to understand how you use your land. Please indicate how important each of the following land uses are to you.

#### 4. **Land use:** ~~Circle the land uses listed above, how do you primarily use your land?~~

For a livestock operation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For a crop production operation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For an integrated crop and livestock operation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For a commercial hunting enterprise (game ranch, private hunting leases, etc.).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For commercial agrotourism or ecotourism.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For wildlife management and/or conservation (non-commercial).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For personal outdoor recreation or to enjoy the rural lifestyle (non-commercial).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For an investment in land/real estate.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

***Please use space below if we missed something important:***

Other: \_\_\_\_\_

Write in only one: \_\_\_\_\_

### 5. How many years have you personally owned your place? \_\_\_\_\_ years

6. Did you inherit or acquire any of your land from your family?  Yes  No

7. Do you live on your place full-time?

Yes

No → How many miles, one way, is your closest parcel of property from your primary residence?

\_\_\_\_\_ miles

8. We'd like to learn more about how you think about your place. Please tell us the extent to which the items below describe your beliefs.

My place... I rely on my place....	Does not describe my beliefs	Slightly describes my beliefs	Moderately describes my beliefs	Mostly describes my beliefs	Completely describes my beliefs
to operate as a business.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
to provide habitat for wildlife.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
to make a profit.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
to grow crops.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
for the rangeland where I graze livestock.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
is somewhere I feel more like a caretaker than an owner.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
is where I do the kind of work I love .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. We

would like to know how farming and ranching may currently fit into your life. Please indicate to what extent each statement describes you.

I am a farmer.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I am a rancher.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A lot of my life is organized around farming/ranching.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Farming/ranching is an important part of who I am.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10. Land

Landowners and producers often have different approaches to making decisions about their land. To what degree does each statement describe your approach to land management?

**When making land management decisions,  
I focus on doing what...**

has traditionally been done.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
will provide the best outcomes in the short-term .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
others think I should do.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I think is morally right.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
improves conditions for future generations.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
people I respect are doing.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
will give me the biggest return on my investment.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
other landowners around me are doing.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
is best for the health of the land.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
maintains or enhances my reputation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
will provide the best long-term outcomes .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
is appropriate for someone like me to do in the situation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
minimizes risk.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
requires the least labor.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
requires the least financial inputs.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**SECTION B: LAND MANAGEMENT PRACTICES**

**11. In a typical year, do you use the following management practices on your rangelands?**

	Yes	No
Intensive livestock grazing in early spring (e.g., April & May) .....	<input type="checkbox"/>	<input type="checkbox"/>
Prescribed fire (i.e., burning rangelands) .....	<input type="checkbox"/>	<input type="checkbox"/>
Targeted application of chemical herbicides .....	<input type="checkbox"/>	<input type="checkbox"/>
Mob grazing (i.e., ultra-high animal density for short durations) .....	<input type="checkbox"/>	<input type="checkbox"/>
Multi-species grazing (e.g., sheep, goats, cattle, etc.) .. .....	<input type="checkbox"/>	<input type="checkbox"/>
Season-long grazing (e.g., May/June to October) .....	<input type="checkbox"/>	<input type="checkbox"/>

**12. Do you use an integrated crop and livestock system?**

No

Yes → **Please specify:**

*Practice(s)* \_\_\_\_\_

*Crop(s)* \_\_\_\_\_

*Animal(s)* \_\_\_\_\_

**13. Do you practice mob grazing? By mob grazing, we mean ultra-high density animal stocking for short durations.**

No

Yes → **Please specify your:**

*Stocking rate:* \_\_\_\_\_ (head/acre) or \_\_\_\_\_ (lbs/acre)

*Number of daily moves:* \_\_\_\_\_

*Grazing period (months):* \_\_\_\_\_

**14. About how many head of livestock do you typically run on your place?**

Cattle (Cow-calf): \_\_\_\_\_ pairs

Cattle (Yearlings): \_\_\_\_\_ head

Cattle (Bulls): \_\_\_\_\_ head

Horses: \_\_\_\_\_ head

Other livestock: \_\_\_\_\_ head

\_\_\_\_\_

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**SECTION C: YOUR OPINIONS ON A NEW GRASS SPECIES**

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**We'd like to understand the factors that influence your evaluation of a new grass species in rangelands. The following scenarios each present a description of a grass species that has different key characteristics once it becomes established. Please consider each description independently and indicate A) how acceptable or unacceptable the grass species is, and B) how you would manage the grass on your land.**

**15. Description of Grass 1:**

**A new grass species is expanding onto your native rangelands. Based on current research and the best available information from other landowners, you know that once established this grass:**

- **Leads to a moderate decrease (loss of 3-5 species)** in the variety of grassland birds.
- **Doesn't change** the amount of floral resources that provide pollen and nectar for pollinator species.
- **Moderately decreases (20% less)** water infiltration into the soil and the amount of water available to other plants.
- Provides **average (in terms of crude protein)** quality forage for livestock during the primary growing period of this species.
- Provides palatable forage for livestock **only late in the grazing season (September, October, November).**
- **Moderately decreases (loss of 20%)** the diversity of other grasses.
- Produces **a higher than average (25% more)** yield in terms of lbs/acre.

A. From your point of view, how acceptable or unacceptable is this species on your rangelands?

B. How would you manage this grass species on your rangelands?

*Extremely unacceptable*       *Very unacceptable*       *Unacceptable*       *Slightly unacceptable*       *Neither*       *Slightly acceptable*       *Acceptable*       *Very acceptable*       *Extremely acceptable*

16. Description of Grass 2:

A new grass species is expanding onto your native rangelands. Based on current research and the best available information from other landowners, you know that once established this grass:

- **Doesn't change** the variety of grassland birds.
- **Doesn't change** the amount of floral resources that provide pollen and nectar for pollinator species.
- **Moderately increases (20% more)** water infiltration into the soil and the amount of water available to other plants.
- Provides **higher than average (25% more crude protein)** quality forage for livestock during the primary growing period of this species.



- Provides palatable forage for livestock **only early in the grazing season (April & May).**
- **Greatly decreases (loss of 50% or more)** the diversity of other grasses.
- Produces **an average** yield in terms of lbs/acre.

**A. From your point of view, how acceptable or unacceptable is this species on your rangelands?**

**B. How would you manage this grass species on your rangelands?**

*Extremely unacceptable*       *Moderately unacceptable*       *Slightly unacceptable*       *Neither*       *Slightly acceptable*       *Moderately acceptable*       *Extremely acceptable*

*Definitely reduce/control*       *Probably reduce/control*       *Might reduce/control*       *Would not change current management*       *Might promote/maintain*       *Probably promote/maintain*       *Definitely promote/maintain*

**17. Description of Grass 3:**

**A new grass species is expanding onto your native rangelands. Based on current research and the best available information from other landowners, you know that once established this grass:**

- **Doesn't change** the variety of grassland birds.
- **Leads to a moderate decrease (loss of 15%)** in the amount of floral resources that provide pollen and nectar for pollinator species.
- **Doesn't change** water infiltration into the soil and the amount of water available to other plants.



- **Moderately decreases (20% less)** water infiltration into the soil and the amount of water available to other plants.
- Provides **lower than average (25% less crude protein)** quality forage for livestock during the primary growing period of this species.
- Provides palatable forage for livestock **only late in the grazing season (September, October, November)**.
- **Has no effect on** the diversity of other grasses.
- Produces **a lower than average (25% less)** yield in terms of lbs/acre.

**A. From your point of view, how acceptable or unacceptable is this species on your rangelands?**

**B. How would you manage this grass species on your rangelands?**

*Extremely unacceptable*      *Moderately unacceptable*      *Slightly unacceptable*      *Neither*      *Slightly acceptable*      *Moderately acceptable*      *Extremely acceptable*

*Definitely reduce/control*      *Probably reduce/control*      *Might reduce/control*      *Would not change current management*      *Might promote/maintain*      *Probably promote/maintain*      *Probably promote/maintain*      *Definitely promote/maintain*

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**SECTION D: YOUR OPINIONS ON KENTUCKY BLUEGRASS/JUNE GRASS**


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**Kentucky bluegrass (*Poa pratensis* L.) is most known as a lawn and turf grass. A variety of this cool-season, perennial grass grows in the grasslands and rangelands of North Dakota.**

**Kentucky bluegrass is sometimes called June grass because it matures early in the growing season and usually dries out and produces seed June.**

**We want to know your opinions about Kentucky bluegrass even if it does not currently grow on your land.**

**19. How familiar are you with Kentucky bluegrass?**

- Not familiar
- Slightly familiar
- Moderately familiar
- Very familiar
- Extremely familiar

**20. Do you currently have Kentucky bluegrass on your rangelands?**

- No
- Unsure
- Yes

▶ **Of the rangelands you own and operate, what is your best estimate of the percentage of this land that has Kentucky bluegrass present?**

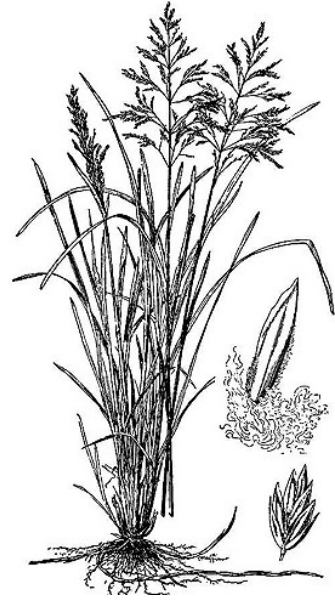
\_\_\_\_\_ %

▶ **Of the rangelands you own and operate that contain Kentucky bluegrass, approximately how much of the plant community is bluegrass?**

\_\_\_\_\_ %

**21. Please think about your history on your place. From your perspective, has the abundance of Kentucky bluegrass on your rangeland:**

- Definitely decreased
- Probably decreased
- Remained about the same
- Probably increased



in

Drawing of Kentucky bluegrass courtesy of USDA-NRCS PLANTS Database.

Definitely increased

**22. Based on your own preferences, would you say the abundance of bluegrass on your rangeland is:**

- Much too low
- Too low
- About right
- Too high
- Much too high

**Landowners and producers in North Dakota manage their land for a variety of uses. Some folks may like Kentucky bluegrass while others do not. We'd like your opinions about bluegrass even if you don't have any on your land.**

**23. Please indicate the degree to which you think the following statements about bluegrass are true or not.**

**Kentucky bluegrass...**

is a valuable source of forage for livestock  
in

the spring and early summer .....

is preferred by livestock over other grass  
species during its primary growing  
period.....

decreases the amount of forage available  
for livestock over the entire growing  
season.....

increases the number of wildlife species in  
rangelands.....

reduces soil erosion.....

increases soil quality.....

increases the amount of water available  
in the soil.....

outcompetes other grasses and forbs.....

improves the natural beauty of rangeland  
landscapes .....

decreases my ability to cope  
with drought.....

reduces the number of pollinator  
species in rangelands.....

maintains its nutritional value once mature  
(i.e., once it produces seed and dries out).....

makes rangelands less pristine .....

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**SECTION E: MANAGEMENT PERSPECTIVES**


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**24. In general, which option below best describes your goal for Kentucky bluegrass on your rangelands?**

- My goal is to increase the abundance of bluegrass on my rangelands to \_\_\_\_ %.
- My goal is to maintain the current abundance of bluegrass on my rangelands.
- My goal is to decrease the abundance of bluegrass on my rangelands to \_\_\_\_ %.
- I have no goal for the abundance of bluegrass on my rangelands.

**25. Overall, having Kentucky bluegrass on my rangelands is (or would be):**

	Extremely	Moderately	Slightly	Neither	Slightly	Moderately	Extremely	
Undesirable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Desirable
Encouraging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Threatening
Good	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bad
Worthless	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Valuable
Beneficial	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Detrimental
Unacceptable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Acceptable

**26. On my rangelands, I can effectively manage Kentucky bluegrass at the levels I desire.**

- Strongly disagree
- Disagree
- Neither agree nor disagree
- Agree
- Strongly agree

**We are also interested in what opinions you think other landowners and producers might have about Kentucky bluegrass. We don't expect that you know exactly what others are thinking but we'd like you to answer these questions based on your general impressions.**

**27. Most landowners I know want to \_\_\_\_\_ the abundance of bluegrass on their rangelands.**

- maintain
- increase
- decrease
- do nothing about the

**28. Most landowners I know \_\_\_\_\_ control bluegrass on their rangelands.**

- never
- rarely
- sometimes
- usually
- always

**29. Most landowners I know \_\_\_\_\_ control bluegrass on my rangelands.**

- definitely think I should not
- probably think I should not
- do not care whether I
- probably think I should
- definitely think I should

**30. Most landowners I know would \_\_\_\_\_ if I controlled for bluegrass on my rangelands.**

- strongly disapprove
- disapprove
- neither disapprove or approve
- approve
- strongly approve



**SECTION F: MANAGING KENTUCKY BLUEGRASS ON YOUR LAND**

◆ Please SKIP to SECTION F if you do not have Kentucky bluegrass on your land. ◆

**31. Over the next 12 months, how likely or unlikely are you to use each practice specifically to manage Kentucky bluegrass on your rangelands?**

	Extremel y unlikely	Unlikely	Neither unlikely or likely	Likely	Extremel y likely
Intensive livestock grazing in early spring (e.g., April & May)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prescribed fire (i.e., burning rangelands)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Targeted application of chemical herbicides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mob grazing (i.e., ultra-high animal density for short durations)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-species grazing (e.g., sheep, goats, cattle, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Use space if we missed a practice you intend to use to manage bluegrass:</i> <i>Other practice:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**32. Please tell us whether you have used each of the following practices specifically to manage bluegrass on your rangelands recently and/or in the past.**

<b>To manage bluegrass, I have used:</b>	Never used	<b>ONLY</b> more than 2 years ago	<b>ONLY</b> in last 2 years	More than 2 years ago <b>AND</b> in last 2 years
Intensive livestock grazing in early spring (e.g., April & May)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prescribed fire (i.e., burning rangelands)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Targeted application of chemical herbicides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mob grazing (i.e., ultra-high animal density for short durations)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Multi-species grazing (e.g., sheep, goats, cattle, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Use space if we missed a practice you have used to manage bluegrass:</i>				
<i>Other practice:</i> _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**33. How effective do you think each management practice is at controlling/reducing Kentucky bluegrass?**

Intensive livestock grazing in early spring (e.g., April & May).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prescribed fire (i.e., burning rangelands).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Targeted application of chemical herbicides.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mob grazing (i.e., ultra-high animal density for short durations).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi-species grazing (e.g., sheep, goats, cattle, etc.).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Use space if we missed a practice you have used to manage bluegrass:</i>					
<i>Other practice:</i> _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**34. Controlling/reducing Kentucky bluegrass on my rangelands is:**

	<i>Extremely</i>		<i>Moderately</i>		<i>Slightly</i>		<i>Neither</i>		<i>Slightly</i>		<i>Moderately</i>		<i>Extremely</i>	
Expensive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inexpensive	
Undesirable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Desirable	
Difficult	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Easy	
Effective	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ineffective	
Possible	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Impossible	
Unnecessary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Necessary	

Infeasible        Feasible

Beneficial        Detrimental

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**SECTION G: A LITTLE MORE ABOUT YOU AND YOUR LAND**


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Your willingness to share some limited background information will help us appreciate the challenges of agricultural production and owning and managing rural land. It will help us accurately report this information to inform public policy and decision makers in North Dakota and the greater Northern Great Plains.

Your responses will be kept confidential and we will never release your name or personal information to any individual, business, or government agency.

**35. About how many acres of rural land do you own, lease from others, and lease to others?**

\_\_\_\_\_ acres owned

\_\_\_\_\_ acres leased (rented)

\_\_\_\_\_ acres leased out (rented out)

**36. Of the acres you own and operate, about how many acres are:**

Rangeland: \_\_\_\_\_ acres

Planted pasture: \_\_\_\_\_ acres

Cropland: \_\_\_\_\_ acres

Woodland or  
Forest: \_\_\_\_\_ acres

**37. Of your rangeland acres, about how many do you use for:**

Grazing: \_\_\_\_\_ acres

Hay production: \_\_\_\_\_ acres

**38. What is your primary occupation?** (If *RETIRED*, what was your primary occupation?)

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a. **Considering this occupation, are you currently:**

- Working full-time
- Working part-time
- Not currently working (unemployed or laid-off)
- Retired and no longer working
- Retired and working part-time in this occupation
- Retired and working part-time in a different occupation

b. **Is this occupation part of, or related to, the farming/ranching industry?**

- Yes
- No

**39. grazing or livestock association?**  Yes **Are you a member of a**  No

**40. In what year were you born?** \_ \_ \_ \_ year

**41. Are you:**  Male  Female

**42. What is the highest level of formal education you have completed?**

- Some high school or less
- High school diploma or equivalent
- Some college
- Trade school, formal apprenticeship, or 2-year degree
- Completed a 4-year college degree
- Some graduate or professional school
- Completed graduate or professional school

**43. What is your race?** *Please indicate the one or more options that apply.*

- American Indian or Alaska Native
- Asian
- Black or African American
- Hispanic or Latino
- Native Hawaiian or other Pacific Islander
- White
- Some other race and/or ethnicity (*Please specify*): \_\_\_\_\_

**44. In a typical year, approximately what percentage of your annual household income comes from activities related to your land?**

\_\_\_\_\_ % (Agricultural production)

**45. Please select the category that best describes your average net annual household income.**

- Less than \$50,000
- \$50,001- \$75,000
- \$75,001- \$100,000
- \$100,001- \$500,000
- More than \$500,000

**Is there anything else you would like to share with us?**

**We sincerely appreciate your time and thoughtful contributions to this study. Please return your completed questionnaire in the postage-paid envelope as soon as possible.**

**Thank You!**

**ID#**