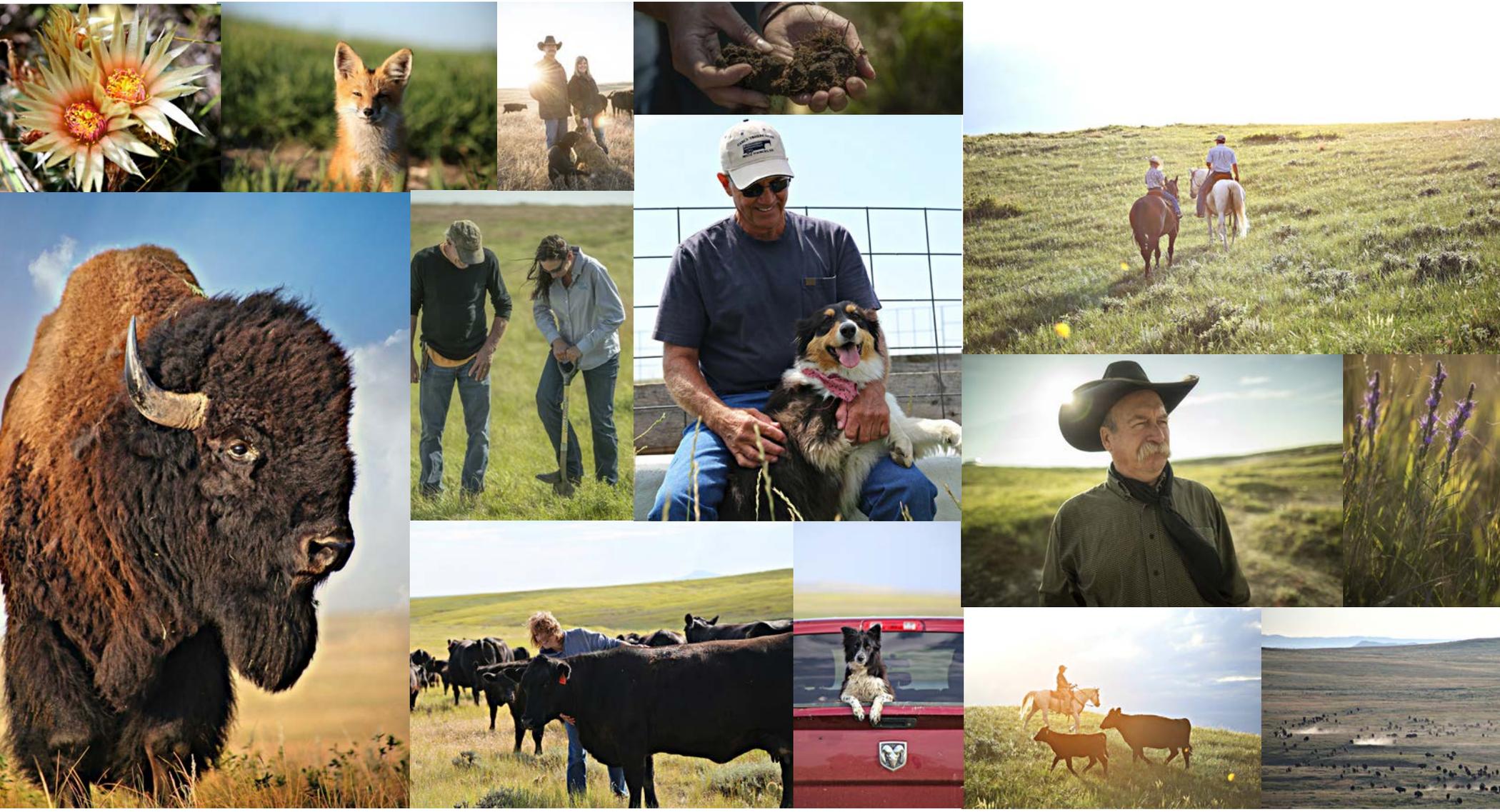


A woman wearing a light blue long-sleeved shirt, blue jeans, and a tan cap is riding a dark brown horse away from the camera. She is in a vast, green grassy field. In the background, a herd of brown and white cattle is scattered across the landscape. The scene is bathed in warm, golden light, suggesting late afternoon or early morning. The overall atmosphere is peaceful and rural.

2019 SOUTH DAKOTA GRASSLANDS PLANNER

Thank you for your passion for grassland management!



**HEALTHY, WELL MANAGED GRASSLANDS = HEALTHIER SOILS =
BETTER RAINFALL INFILTRATION & RETENTION = HIGHER PRODUCTION**

Grassland Owners and Managers:

“Resilience” is a word being used more and more in agricultural discussions. One of the definitions for that word is the ability to recover quickly from illness, change, or misfortune. Every year in South Dakota, parts of our amazing state has misfortunes: less rain, too much rain, excessive heat, strong winds, a late cold snap, hail...the list is long. We never know which part of our state will be impacted or how. So how do we prepare? One thing we know for sure is that having no plan or strategy to prepare, is not a good idea.

Another thing we know is that Mother Nature is very “resilient” if we have provided her the proper care. Over and over we hear of testimonials where well-cared for grasslands bounce back when the rains come. The contrary is also true...grasslands that have been over utilized, such that it has made the soils underneath the plants less healthy, recover slower and are not as productive when the rains return.

Aldo Leopold has a quote that really drives this home: “Health is the capacity of the land for self-renewal. Conservation is our effort to understand and preserve this capacity.”

Many of us were taught to plan for tough times. Interesting how often you hear “plan for a rainy day.” However, in grassland management we spend more time planning for no-rain days. Along the same lines, many of us were taught to save and it could have started with a piggy bank



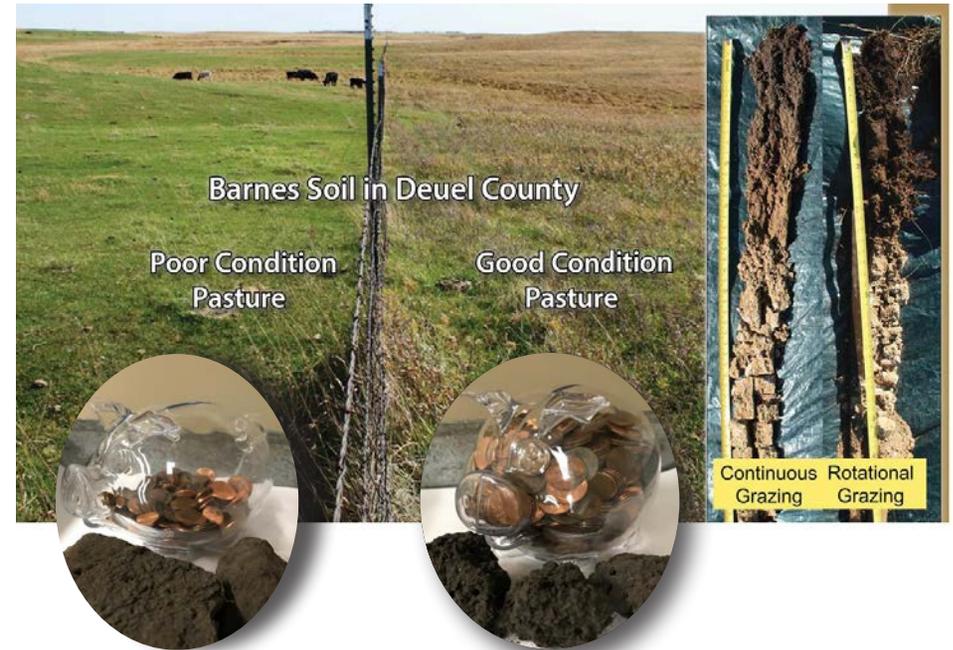
Let’s think about that visual for just a bit. Have you managed your grasslands in a way that you have made “deposits” in the plants and soil so that you have some resources that you can draw from?

Or have you been making lots of “withdrawals” and your grasses and the soil are depleted and do not have adequate resources to draw from.

The grasslands produce differently and respond differently when stressed and recovering from stress. Similar to how humans are affected.

Here is the good news. Even if you have not made all the deposits in the past that you needed to make, if you start now the plants and the soil will respond. It takes time, but they will respond.

It is like the old saying about the best time to plant a tree is ...20 years ago... the next best time is today. The partnership who developed this planner has technical planning expertise to assist you with developing a plan to make your grasslands healthier. Many also have financial assistance to help with some of the physical infrastructure and management changes you may need to implement to achieve your goals. Finally, our partnership offers mentors to help you along the way. Together we can make our South Dakota grassland resources healthier and more resilient.



We leave you with a great quote from Hugh Hammond Bennett, first Chief of the Soil Conservation Service, now the USDA Natural Resources Conservation Service. “Take care of the land, and the land will take care of you!”



Photo shows comparison depth of moisture on approximately 4 percent slope after a rain. August 13, 1970 Walworth County, SD

We hope you enjoy the Grassland Planner and the stories of conservation with these families. We stand ready to assist you on your conservation journey.

Jeff Zimprich, State Conservationist
USDA Natural Resources
Conservation Service

Board of Directors
and Members of the
South Dakota Grassland Coalition



Hanna, JoAnn, Everett, Fallon, Jody, Jeff, Mandi, Ella & Emmitt Brown - Faith, SD





Hover your Smartphone camera over this code to watch these stories come alive on our YouTube channel.

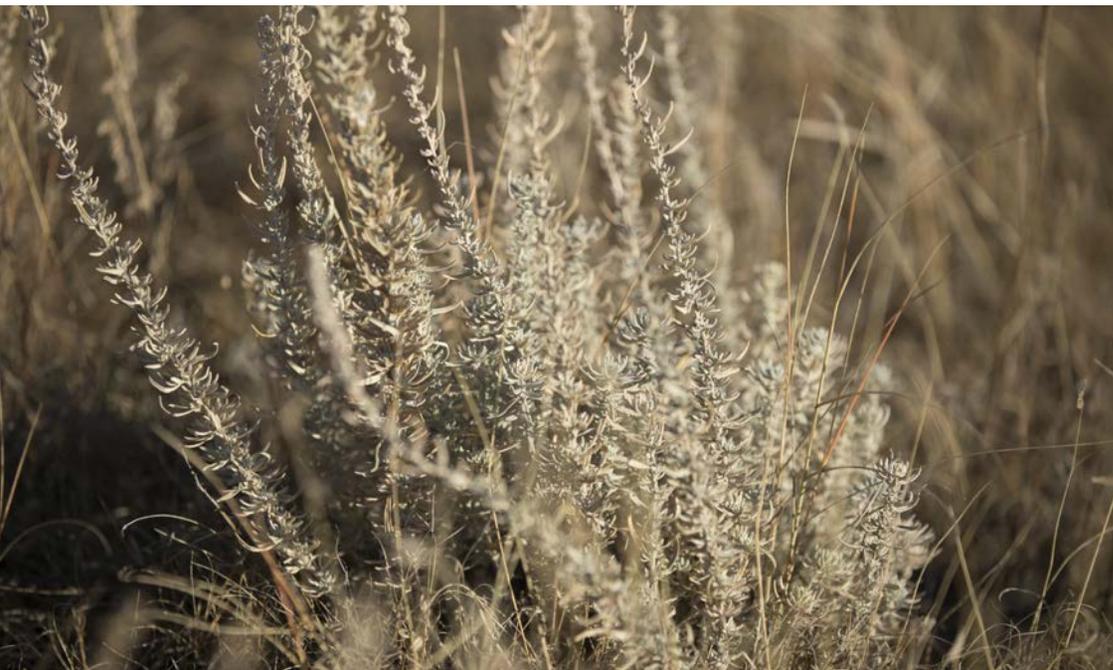
“When we bale graze or buckler pile graze we are taking a dead soil and make it a living soil.” - Jody Brown

January

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<p>DECEMBER</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td></tr> <tr><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr> <tr><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td></tr> <tr><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td></tr> <tr><td>30</td><td>31</td><td></td><td></td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							<p>1</p> <p>New Year's Day</p>	<p>2</p>	<p>3</p> <p>New Year means new conservation plan! Get started with NRCS.</p>	<p>4</p>	<p>5</p> 
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<p>If your operation needs improvements on your grazing lands, consider applying for EQIP or CSP. Sign-up is continuous.</p>																																																							
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<p>20</p> 	<p>21</p> <p>Martin Luther King Jr. Day</p>	<p>22</p>	<p>23</p>	<p>24</p>	<p>25</p>	<p>26</p>																																																	
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<p>Conservation easements can keep working lands in production while protecting the grassland resource. Contact NRCS or USFWS for options and payment rates.</p>																																																							



Kyler, Bart & Shannon Carmichael - Faith, SD





Hover your Smartphone camera over this code to watch these stories come alive on our YouTube channel.

“You can’t always do what grandpa did, but don’t forget what grandpa knew.” - Bart Carmichael

February

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3	4	5 Mardi Gras	6	7	8	9																																																	
10	11	12 Lincoln's Birthday	13 Great Horned Owl begins nesting	14 Valentine's Day	15	16																																																	
17	18 Presidents' Day	19	20	21	22 Washington's Birthday	23																																																	
24	25	26	27	28		<p>MARCH</p> <table border="1"> <thead> <tr> <th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td>31</td></tr> </tbody> </table>	S	M	T	W	T	F	S						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30							31
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Dan & Cindi Conner - Belle Fourche, SD



Hover your Smartphone camera over this code to watch these stories come alive on our YouTube channel.

“One of the reasons we have a healthy sage grouse population in this part of the country is because of this ranch and how they manage it.” - Mitch Faulkner, USDA-NRCS Rangeland Management Specialist

March

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3	4	5	6  Male Sage Grouse begin attending leks to perform courtship and strutting displays. Ash Wednesday	7	8	9																																																																																					
10 Daylight Saving begins	11	12	13	14 	15	16 Western Meadowlarks migrate through the state. Nesting in medium height grassland habitat begins mid-May.																																																																																					
17 St. Patrick's Day	18	19	20  First Day of Spring	21	22	23																																																																																					
24 Make sure your pollinator plot planning and site preparation are on schedule. Add a smaller butterfly or native pollinator garden including milkweeds near your home to attract monarchs.	25	26	27 	28	29	30 Chorus frogs emerge and begin calling from small wetlands.																																																																																					
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Lisa, Stuart, Chuck, Fallon & Hanna Schmidt - Keldron, SD





Hover your Smartphone camera over this code to watch these stories come alive on our YouTube channel.

“It’s hard for people to change or go against the normal way of thinking, because everyone wants to manage their cattle. It’s more about managing your grass.” - Chuck Schmidt

April

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<p>MARCH</p> <table border="1"> <thead> <tr> <th>S</th> <th>M</th> <th>T</th> <th>W</th> <th>T</th> <th>F</th> <th>S</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>2</td> </tr> <tr> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> </tr> <tr> <td>10</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> </tr> <tr> <td>17</td> <td>18</td> <td>19</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> </tr> <tr> <td>24</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> <td>29</td> <td>30</td> </tr> <tr> <td>31</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	S	M	T	W	T	F	S						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							<p>1</p> <p>April Fool's Day</p>	<p>2</p> <p>Watch for migrating Sandhill and Whooping cranes. Report Whooping Crane sightings to SD Game, Fish and Parks or the U.S. Fish and Wildlife Service.</p>	<p>3</p>	<p>4</p>	<p>5</p> 	<p>6</p>
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<p>Be proud of the difference volunteers make in your community - National Volunteer Week, April 7-13</p>																																																							
<p>14</p>	<p>15</p> <p>Tax Day</p>	<p>16</p> <p>Do you have a drought plan?</p>	<p>17</p>	<p>18</p> <p>Mallard and Pintail ducks begin nesting.</p>	<p>19</p> <p>Good Friday</p> 	<p>20</p> <p>Average nest initiation for prairie grouse in central SD.</p>																																																	
<p>21</p> <p>Easter</p>	<p>22</p> <p>Take advantage of early-growing species in order to manage species composition. Plan and complete spring weed control. Spot spraying may be necessary.</p> <p>Earth Day</p>	<p>23</p>	<p>24</p> <p>Administrative Professionals Day</p>	<p>25</p>	<p>26</p> 	<p>27</p> <p>Warblers migrate through the state, passing through or staying to rest. The Yellow Warbler is a common nesting warbler nearly statewide.</p>																																																	
<p>28</p>	<p>29</p> <p>Grass is greening up, do you need to adjust your mineral program?</p>	<p>30</p>				<p>MAY</p> <table border="1"> <thead> <tr> <th>S</th> <th>M</th> <th>T</th> <th>W</th> <th>T</th> <th>F</th> <th>S</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> </tr> <tr> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> </tr> <tr> <td>19</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> <td>25</td> </tr> <tr> <td>26</td> <td>27</td> <td>28</td> <td>29</td> <td>30</td> <td>31</td> <td></td> </tr> </tbody> </table>	S	M	T	W	T	F	S					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
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Samantha, Brodie, Sandy, & Jacki Limpert - Buffalo, SD





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“For every percentage point of organic matter improvement in soil, water holding capacity increases. the additional water in the profile means better forage production year-round.” - Sandy Limpert

May

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<p>5</p> <p>Cinco De Mayo</p>	<p>6</p>	<p>7</p>	<p>8</p> <p>Watch for grass tetany.</p>	<p>9</p> <p>Peak nest initiation for pheasants in Eastern SD.</p>	<p>10</p>	<p>11</p> 																																																	
<p>12</p> <p>International Migratory Bird Day</p> <p>Mother's Day</p>	<p>13</p> <p>Watch for Monarch butterflies.</p>	<p>14</p>	<p>15</p>	<p>16</p>	<p>17</p> <p>Lark Buntings arrive to nest in grasslands. The black-and-white male's courtship display includes a flight 20-30 feet above ground. He then flutters to the ground while singing. The Bobolink is similar in appearance. The male does low display flights, singing while fluttering his wings.</p>	<p>18</p> 																																																	
<p>19</p>	<p>20</p>	<p>21</p>	<p>22</p>	<p>23</p>	<p>24</p>	<p>25</p>																																																	
<p>26</p> <p>Peak of White-tailed deer fawn births in Eastern SD.</p>	<p>27</p> <p>Memorial Day</p>	<p>28</p>	<p>29</p> <p>Remember to enter information in your Record of Livestock Grazing.</p>	<p>30</p>	<p>31</p>	<p>JUNE</p> <table border="1"> <thead> <tr> <th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th> </tr> </thead> <tbody> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>1</td> </tr> <tr> <td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td> </tr> <tr> <td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td> </tr> <tr> <td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td> </tr> <tr> <td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td> </tr> <tr> <td>30</td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table>	S	M	T	W	T	F	S							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						
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Miles, Amy, Gary, Ian, Elliot, Amber & Reed Cammack - Union Center, SD





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“When we first acquired this place and I looked at the lack of diversity in our rangeland, I knew we couldn’t stay viable as an operation.”

- Gary Cammack

June

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<p>MAY</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td></td><td></td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td></tr> </table>	S	M	T	W	T	F	S		1	2	3	4			5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		<p>JULY</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr> <tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr> <tr><td>28</td><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				<ul style="list-style-type: none"> -Graze annual forages at 18-24” height. -Watch pasture for weeds and invasive species. -Remember to enter information in your Record of Livestock Grazing. -Evaluate shade/water needs and plan for next year. -Slow rotation and lengthen recovery periods. 					1
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2	3 	4	5 United Nations World Environment Day	6	7	8 Begin to seed summer annual forages.																																																																																					
9	10 	11	12	13	14 Flag Day	15 Peak of pheasant and duck hatch.																																																																																					
16 Father’s Day	17 	18	19	20 Watch grazing heights and rest periods carefully.	21 First Day of Summer	22																																																																																					
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	Move animals based on plant height NOT calendar dates.					30																																																																																					



Misti, Avari, Kathy, Kaija, Kerry, and Gene Ausland.
Not pictured - Candyce, Craig, Abagayle, Zachary, Traci, Shawn and Adalee - Webster, SD





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“By controlling the grazing of the grass, that helps the grass get stronger.” - Gene Ausland

July

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<p>JUNE</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td></tr> <tr><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr> <tr><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td></tr> <tr><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td></tr> <tr><td>30</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30							<p>1</p>	<p>2 </p>	<p>3</p> <p>If drought conditions occurred in the spring and continue now, forage production will be reduced. Action items for herd management and adjustments to the grazing plan may need to be implemented.</p>	<p>4</p> <p>Independence Day</p>	<p>5</p>	<p>6</p>
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<p>7</p>	<p>8</p> <p>Check water sources frequently for condition, i.e., sediment or algae can reduce an animal's water intake.</p>	<p>9 </p>	<p>10</p>	<p>11</p> <p>World Population Day</p>	<p>12</p>	<p>13</p>																																																	
<p>14</p>	<p>15</p> <p>Thistles are best controlled at boot stage.</p>	<p>16 </p>	<p>17</p>	<p>18</p>	<p>19</p>	<p>20</p> <p>Collect flower seeds from annuals for next year's butterfly garden.</p>																																																	
<p>21</p>	<p>22</p>	<p>23</p>	<p>24 </p>	<p>25</p>	<p>26</p>	<p>27</p> <p>Day of the American Cowboy</p>																																																	
<p>28</p>	<p>29</p>	<p>30</p>	<p>31 </p>			<p>AUGUST</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr> <tr><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr> <tr><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td></tr> </table>	S	M	T	W	T	F	S					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
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Bob & John Rittberger - Hermosa, SD





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“What do we do to protect against drought? The main thing we do is leave grass when we leave the pasture.” - John Rittberger

August

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4	<p>5</p> <p>Contact the SD Grassland Coalition about the South Dakota Grazing School</p>	6	7	8	9	10																																																																																				
<p>11</p> <p>Start planning for native seed harvest.</p>	12	13	14	15	16	17																																																																																				
	<p>Consider cover crops as alternative forage; plant into small grain stable.</p>			<p>Continue to implement Drought Contingency Plan action items as needed.</p>																																																																																						
18	19	20	21	22	23	24																																																																																				
			<p>Plan winter feed supply.</p>																																																																																							
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Charlie Totton - Chamberlain, SD



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“I felt like I got a lot of good out of the SD Grazing School and when they asked me to have it on the place, I couldn’t say no.”
- Charlie Totton

September

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																						
1 Remember to enter details in your Record of Livestock Grazing.	2 Labor Day	3 4 5  Continue to implement Drought Contingency Plan action items as needed.				6	7																																																																																					
8	9	10 South Dakota Grazing School	11	12	13 	14 Target pastures dominated by cool-season species if green-up occurs in order to reduce pressure on native grasses.																																																																																						
15	16 Watch for migrating Monarch butterflies.	17	18	19	20	21 																																																																																						
22	23 Warblers migrate through the state on their way south. Many are neotropical migrants that winter in Central and South America, making migration stops in the Dakotas critical to their survival. First Day of Autumn	24	25	26	27	28 																																																																																						
29	30					AUGUST <table border="1"> <thead> <tr> <th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th> </tr> </thead> <tbody> <tr> <td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td></td> </tr> <tr> <td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td> </tr> <tr> <td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td> </tr> <tr> <td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td> </tr> <tr> <td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td> </tr> </tbody> </table>	S	M	T	W	T	F	S				1	2	3		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	OCTOBER <table border="1"> <thead> <tr> <th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th> </tr> </thead> <tbody> <tr> <td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td> </tr> <tr> <td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td> </tr> <tr> <td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td> </tr> <tr> <td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td> </tr> <tr> <td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td><td></td> </tr> </tbody> </table>	S	M	T	W	T	F	S				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
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**Reid, Jane, Jack, Claire, Lewis & Dean Suelflow.
Not pictured: Susan Suelflow - White Lake, SD**





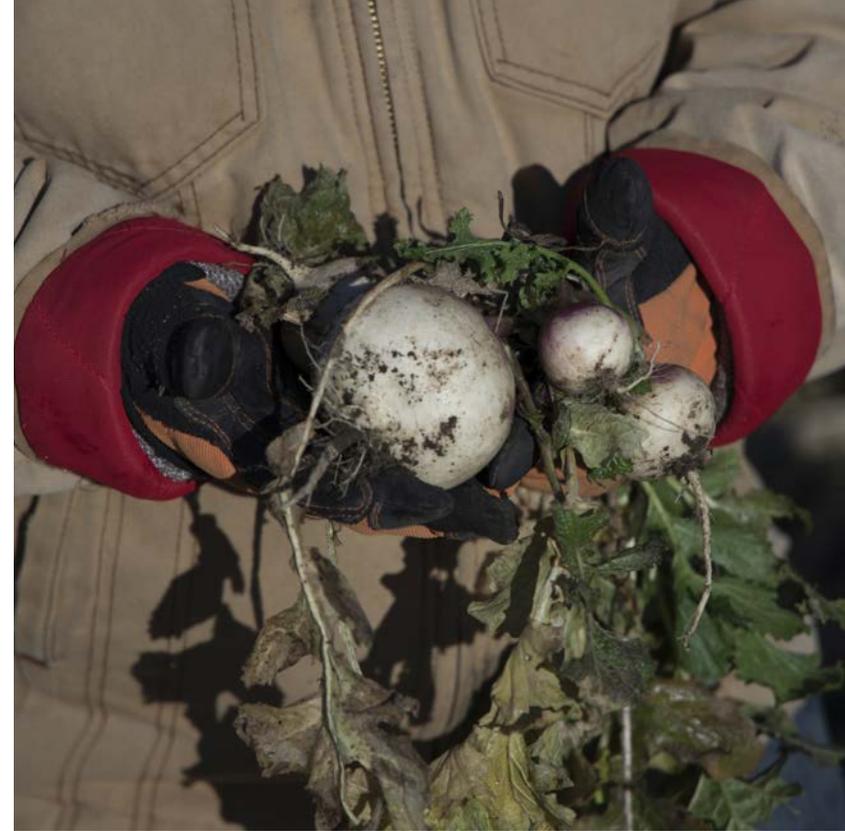
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“Integrating intensive management into grassland and cropland provides new opportunities for economic gain while improving soil health, increasing plant diversity, and wildlife habitat.”

- Reid Suelflow

October

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<p>6</p>	<p>7</p>	<p>8</p>	<p>9</p>	<p>10</p>	<p>11</p>	<p>12</p> <p>National Farmers Day</p>																																										
<p>13</p> 	<p>14</p> <p>Columbus Day Native American Day</p>	<p>15</p>	<p>16</p>	<p>17</p>	<p>18</p>	<p>19</p> <p>If you would like improvements on your grazing lands, get free one-on-one advice from the USDA Natural Resources Conservation Service. Application for financial assistance for a Conservation Plan through Farm Bill programs is continuous.</p>																																										
<p>20</p>	<p>21</p> 	<p>22</p>	<p>23</p>	<p>24</p>	<p>25</p>	<p>26</p> <p>Continue to implement Drought Contingency Plan action items as needed.</p>																																										
<p>27</p> <p>Remember to enter details in your Record of Livestock Grazing.</p>	<p>28</p>	<p>29</p>	<p>30</p>	<p>31</p> <p>Halloween</p>		<p>NOVEMBER</p> <table border="1"> <thead> <tr> <th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td>1 2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> </tbody> </table>	S	M	T	W	T	F	S							1 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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Sheena, Jadon & Jonathan Rohrbach - Roscoe, SD





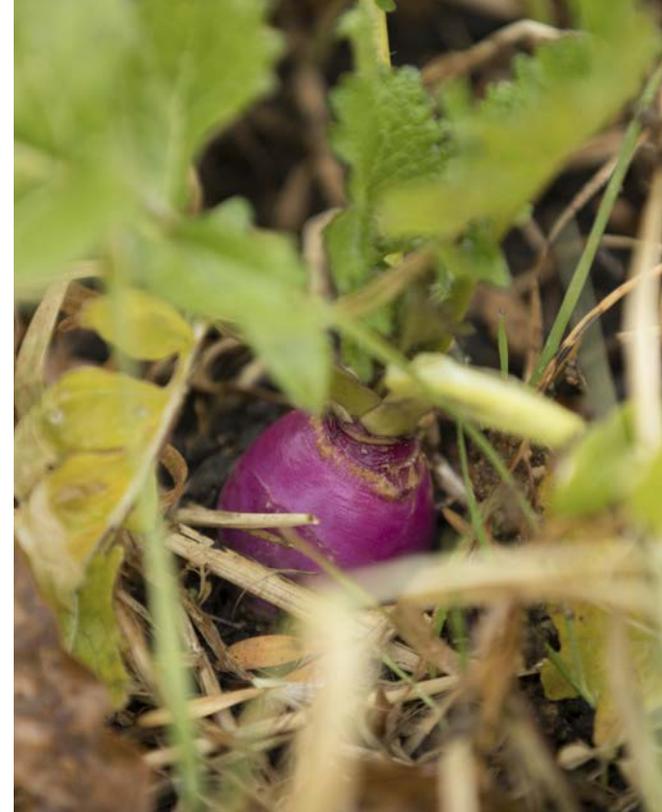
Hover your Smartphone camera over this code to watch these stories come alive on our YouTube channel.

“By maintaining grass cover, we can hold the moisture we do get longer. Even though the previous two years were drought years, I did not need to destock due to the benefits of my rotational grazing system.” - Jonathan Rohrbach

November

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																				
<p>OCTOBER</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td></td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S		1	2	3	4	5		6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			<p>DECEMBER</p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr> <tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr> <tr><td>28</td><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							<p>1</p> <p>Allow livestock to graze alternative forage sources, such as cover crops or cornstalks, to allow a rest period for pastures.</p>	<p>2</p> <p>Try strip grazing the stalks to reduce trampling.</p>
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<p>3</p> <p>Daylight Saving ends</p>	<p>4</p> 	<p>5</p>	<p>6</p> <p>Prepare water systems and equipment for freezing temperatures.</p>	<p>7</p>	<p>8</p>	<p>9</p> <p>Watch for Snowy Owls as they move south into South Dakota during years when food may be scarce farther north.</p>																																																																																				
<p>10</p>	<p>11</p> <p>Veteran's Day</p>	<p>12</p>  <p>Evaluate end of year pasture use.</p>	<p>13</p>	<p>14</p>	<p>15</p> <p>Prepare your financial statements for your lender and yourself.</p>	<p>16</p>																																																																																				
<p>17</p> <p>Test forages and hay before feeding; results can improve winter feeding efficiency separate animals by nutritional needs; lactating or gestating stock need your best forages.</p>	<p>18</p>	<p>19</p> 	<p>20</p>	<p>21</p>	<p>22</p>	<p>23</p>																																																																																				
<p>24</p> <p>Start the tax planning process.</p>	<p>25</p>	<p>26</p> 	<p>27</p>	<p>28</p> <p>Thanksgiving Day</p>	<p>29</p>	<p>30</p>																																																																																				

Eli & Barry Little - Castlewood, SD





Hover your Smartphone camera over this code to watch these stories come alive on our YouTube channel.

“The more care we put into our soil, the more benefits we get from the soil. That’s what we focus on!”
- Eli Little

December

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																																		
1	2	3	4 	5 World Soil Day Food and Agriculture Organization of the United Nations	6	7 Pearl Harbor Remembrance Day																																																																																																		
		70th Annual SD Cattlemen’s Association Convention and Trade Show, Ramkota, Pierre (December 3-5, 2019)																																																																																																						
8	9	10	11 	12	13	14																																																																																																		
	National Audubon Society’s Christmas Bird Counts completed throughout the state. These counts have been performed since 1901, making this the longest running Citizen Science Bird Project in the U.S.				Monitor body condition score trends of your herd.																																																																																																			
15	16	17	18 	19	20	21																																																																																																		
		Check pastures and the SD Drought Tool for 2019 forage production forecast.																																																																																																						
22	23	24	25 	26	27	28																																																																																																		
First Day of Winter		Christmas Eve	Christmas Day	Did you remember to take a vacation this year? Plan for next year.																																																																																																				
29	30	31																																																																																																						
		New Year’s Eve																																																																																																						
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Grassland Planning

Through this Grassland Planner, the U.S. Department of Agriculture NRCS is working with the South Dakota Grassland Coalition (SDGC) and other partners to improve the health of grassland resources. The NRCS, SDGC & SDSU Extension Service and other entities can assist you to determine and formulate resource protection and enhancement options that fit your operation. Depending upon the area of expertise and/or need for financial assistance, staff are available through NRCS and SD Conservation Districts, and other partners such as the SD Grassland Coalition & SDSU Extension specialists, the U.S. Fish and Wildlife Service, the South Dakota Departments of Agriculture and Game, Fish and Parks, and private organizations, such as Pheasants Forever, Ltd.

Many resources are available to help you determine and formulate resource protection and enhancement options that fit your operation. Technical help is available for:

- Soil health
- Water quality and quantity
- Fencing
- Monitoring techniques
- Drought management
- Grasses for forage production
- and more!

Depending upon the area of expertise and/or need of financial assistance, staff are available through the following conservation partners.

USDA Natural Resources Conservation Service
www.sd.nrcs.usda.gov
South Dakota State Office
(605) 352-1200

South Dakota Department of Game, Fish and Parks
gfp.sd.gov
(605) 773-3658

South Dakota Soil Health Coalition
www.sdsoilhealthcoalition.org
sdsoilhealth@gmail.com

SD Department of Agriculture
www.sdda.sd.gov
(605) 773-3375

World Wildlife Fund
13 S. Willson, Suite 1
Bozeman, MT 59715
(406) 582-0236

South Dakota State University (SDSU) Extension Service
igrow.org
(605) 394-2236

Ducks Unlimited
www.ducks.org/south-dakota
(605) 881-3379

South Dakota Conservation Districts
www.sdconservation.org
(605) 895-4099

Photos by:
Joe Dickie, Mitch Kezar,
Colette Kessler, Dusty Hoskovec,
Mariah Kessler and Rebeca Bader

South Dakota Grassland Coalition
www.sdgrass.org

U.S. Fish and Wildlife Service, Brookings
www.fws.gov/
mountainprairie/pfw/sd
(605) 697-2500

Design by:
Mariah Kessler

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HOLISTIC MANAGEMENT

SAVORY FRAMEWORK FOR HOLISTIC MANAGEMENT

WHOLE UNDER MANAGEMENT	DECISION MAKERS	RESOURCE BASE	MONEY
Holistic Context	Statement of Purpose _____ Quality of Life _____ Forms of Production _____ Future Resource Base _____		
Eco system Processes			
Conventional Decision Making	Objectives	Goals	Vision
Tools	Human Creativity	<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;"> Technology </div>	Fire Rest Grazing Animal Impact <div style="border: 1px dashed black; border-radius: 50%; padding: 2px 10px; display: inline-block;"> Living Organisms </div> Money & Labor
One or More Factors	Past Experience	Expert Opinion	Research Results
Testing Questions <small>Objectives and Actions</small>	Cause & Effect	Weak Link • Social • Biological • Financial	Marginal Reaction
Management Guidelines	Learning & Practice	Organization & Leadership	Marketing
Processes Unique to Holistic Management	Holistic Financial Planning	Holistic Planned Grazing	Holistic Land Planning
Feedback Loop			

“Land is not merely soil; it is a fountain of energy flowing through a circuit of soils, plants, and animals.”

Aldo Leopold

