

## COMMUNITY CALENDAR

### SATURDAY, JULY 28

- Vermillion Area Farmer's Market from 9 a.m.-noon, downtown Vermillion at the Platz, Market and Main streets.
- Overeaters Anonymous at 9 a.m. Location: Sanford Vermillion Medical Center, 20 S. Plum St., administration entrance just south of the hospital entrance in the board room.

### MONDAY, JULY 30

- Al-anon meeting, 7:30 p.m. at St. Paul's Episcopal Church, corner of Main and Linden. For more information, call 624-9764.

### TUESDAY, JULY 31

- Vermillion Rotary Club meeting from noon-1 p.m. in the Freedom Forum Conference Room of the Al Neuharth Media Center.

### THURSDAY, AUG. 2

- Vermillion Area Farmers Market from 3-7 p.m. at the Clay County Fairgrounds.

### PLANNING AHEAD:

- AUG. 3 — Hospital Auxiliary Meeting at 2 p.m. at Sanford Vermillion Board Room, 20 S. Plum (use Administrative entrance).
- AUG. 3 — USD and the S.D. American Choral Director's Association present the 39th annual South Dakota Honor Choir Concert at 7:30 p.m. at Aalfs Auditorium inside Slagle Hall on USD campus.
- AUG. 4 — Vermillion Area Farmer's Market from 9 a.m.-noon, downtown Vermillion at the Platz, Market and Main streets.
- AUG. 4 — Overeaters Anonymous at 9 a.m. Location: Sanford Vermillion Medical Center, 20 S. Plum St., administration entrance just south of the hospital entrance in the board room.
- AUG. 4 — Join Heartland Humane Society from 10 a.m.-noon in Yankton (place TBA) for our Meet 'n Greet. All of the dogs will be available for adoption during this time. For more information, visit HHS Web site: [www.heartlandhumane.org/event.html](http://www.heartlandhumane.org/event.html).
- AUG. 4 — Gayville Hall presents, "The Hay Country Jamboree," with special guest, singer and guitarist Boyd Bristow at 8 p.m. in Gayville, 502 Washington St. For ticket information, call 605-267-2859.
- AUG. 8 — At Sanford health we celebrate the energy of the communities we serve. So we're serving up some fellowship and fun to show our appreciation. Sanford Vermillion invites you to join the community celebration from 5-6 p.m. at Vermillion High School. Join us for a picnic meal and DQ Dilly bars. Stop by to check out Ameri-heart, a gigantic heart display that people can walk through to better understand the anatomy of the heart and heart disease.
- AUG. 9 — The Main Street Center will be hosting its annual Ice Cream Social from 5:15-6:30 p.m. The menu includes sandwiches, chips, homemade desserts, ice cream, with tea, lemonade and coffee. This event is open to the public.

## ENGAGEMENTS



### Malgieri-Paulson

Thomas and Linda Paulson, Vermillion, and Patrick and Patricia Malgieri, Rochester, NY, are pleased to announce the engagement of their children, Margaret Ann Paulson and Colin Matthew Malgieri. Margaret graduated from Loyola University Chicago with a degree in nursing. She is currently employed as a registered nurse at the University of Chicago

### Medical Center.

Colin graduated from Loyola University Chicago with a degree in political science and the University of Illinois Chicago with a master's degree in public administration. He is currently employed as a benefits analyst by the Social Security Administration. A September wedding is planned at Our Lady of Mount Carmel Church in Chicago, IL.

# 90 percent of state in drought

In South Dakota the area of severe drought doubled from 19 percent to nearly 45 percent the week of July 19, according to the U.S. Drought Monitor.

The total drought area, at all levels, increased from 77 percent to 90 percent of the state's land area, said Laura Edwards, SDSU Extension climate field specialist.

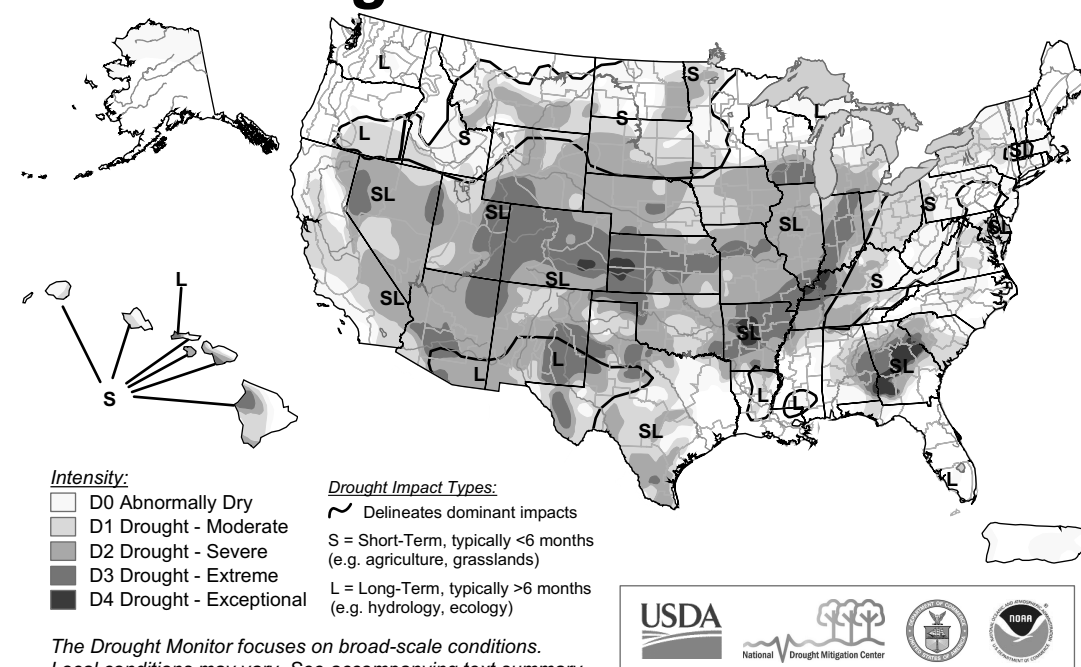
"The expansion of drought is a result of continued above average temperatures, in combination with mounting precipitation deficits," Edwards said. "Vegetation greenness from satellite observations is showing much less healthy vegetation, particularly in the western and southeastern counties."

For the year to date, precipitation is below 80 percent of average for most of the state, with some areas closer to 50 percent of average. The benefits of the storms that rolled through eastern South Dakota in April and May have long since gone, and dry conditions are returning with a vengeance, Edwards says.

"Reports from producers indicate that this summer's climate is taking its toll on row crops. "Windshield surveys," or views from roads and highways, indicate significant yield loss in the southeastern part of the state, which was downgraded

## U.S. Drought Monitor

July 17, 2012  
Valid 7 a.m. EDT



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://droughtmonitor.unl.edu/>



Released Thursday, July 19, 2012

Author: Richard Heim/Liz Love-Brotak, NOAA/NESDIS/NCDC

from moderate drought (D1) to severe drought (D2) on this week's map. Some informal estimates are 75 percent or more average corn crop loss in that region," said Edwards on July 19.

Fields that were recently hayed and baled appear to be growing back with weeds, at a time when hay production is

much lower than normal. Cattle auctions are getting busy, as some ranchers are culling herds, primarily in response to high hay prices and low forage availability. Water quality has also been of concern for livestock operations.

"Soybean fields are, so far, not impacted as hard as corn and pasture/hay. Producers may

have noticed slower growth during the hottest and driest periods lately, but there is still time yet for a good soybean crop to develop," Edwards said. "One critical time for moisture for soybeans will come in a few weeks, when pods begin filling."

For the most current information on the drought, visit [iGrow.org](http://iGrow.org).

## Extension: Assessing drought stressed corn

Water shortages are critical at any time of plant development but especially at the reproductive stage. They will lead to poorer crop performance and less yield potential, says Mark Rosenberg, SDSU Extension Weeds Field Specialist.

Rosenberg explains that each crop has a different period of growth where adequate moisture will be necessary to reproduce. Corn to a degree can be fairly drought tolerant. However the critical time for moisture to be present is during the period two weeks before and after tasseling.

"The first sign of moisture stress in corn is when leaf tissue wilts and rolls during the warmer parts of the day. Normally the plant will return to its normal vigor once the day cools off. As dry weather persists and intensifies the corn will not be able to draw sufficient water and will remain stressed both night and day. If the conditions persist for extended periods of time the leaf tissue will begin to die," Rosenberg said. "The first signs of death begin at the leaf tips and margins. This will progress to cover more leaf surface as available moisture decreases.

The point at which the plant will not recover is called the permanent wilting point."

Research has shown that four consecutive days of visible wilting can reduce yields by 5 to 10 percent. Also the rows of kernels (V6 to V8) and the length of the ear (V10 to V12) are determined prior to tasseling.

"If stress occurs in those periods of time the ear will not increase even if rain is received," he said.

Rosenberg adds that drought at the early stages of reproduction (silking and tasseling) can cause severe yield reductions. Some estimates suggest possible losses approaching 50 percent when the plant is short of moisture. Poor pollination will result in poor kernel development and unfilled ears, usually at the tip.

To gain a better idea of how successful the pollination period was this season, Rosenberg explains an in-field test growers can conduct.

"Once pollination has stopped, there is a three day window to walk the field and

check random spots. Carefully detach the ear and remove the husk. Then give the exposed ear a shake and observe the silks. If they properly pollinated the ovules (immature kernels) they will drop from the ear. The higher number of silks shedding indicates successful pollination," Rosenberg said.

Rosenberg shares another observation growers can make when deciding grain potential.

"Look for ovule development about 10 to 14 days after pollination. Look for small water-filled blisters emerging on the cob. These will develop into kernel as the season progresses and moisture is available," he said. "The yield potential shortly after pollination has completed will correspond closely to the success of pollination. If pollination success was low, rainfall after the pollination window will not increase yield potential. If yield potential is highly limited, salvaging the crop as forage should be considered."

For more information on this and other agronomic topics, visit [iGrow.org](http://iGrow.org).

## CHAMBER CHAT

**Vermillion Area Chamber of Commerce & Development Company**  
116 Market Street, Suite 103  
Vermillion, SD 57069  
605-624-5571  
[vcdc@vermillionchamber.com](mailto:vcdc@vermillionchamber.com)  
[www.vermillionchamber.com](http://www.vermillionchamber.com)

**Business After Hours:** Are you looking for an opportunity to showcase your business and network with your peers? Sign up to host a Business After Hours event! These events generally run from 5-7 p.m. on a weeknight and the hosting business provides hors d'oeuvres and refreshments. If interested, please contact Ann at: [annb@vermillionchamber.com](mailto:annb@vermillionchamber.com) or at 624-5571.

**Announcements:**  
• "Round Up For Your Community"—round up your monthly city utility bill to the next dollar and make a BIG impact on your community for years to come. Contributions from this

program are invested by the Vermillion Area Community Foundation and help fund projects that benefit residents of all ages and enhance the Vermillion community. Qualified organizations with a project in mind can apply for funding. To sign up for the "Round Up"

program, visit <http://vermillion.sdcommunityfoundation.org>, the City's website: [www.vermillion.us](http://www.vermillion.us), or pick up a form at the Vermillion Area Chamber & Development Company, 116 Market St. or the City Finance Office, 25 Center St.

### Chamber Business:

Business After Hours hosted by Builders Choice (BCI), 1212 N. Norbeck St., is Tuesday, Aug. 7, from 5-7 p.m. Tours of the BCI facility will be given. Please join us to make new contacts, socialize and find out what Builders Choice has to offer! Appetizers and refreshments will be served.

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FIRST DAKOTA NATIONAL BANK, a progressive \$850 million independently owned bank, has an immediate opening for a Flex Teller at our Vermillion location. This position includes basic functions of performing money transactions and managing the supply of currency and coin.


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- \* Ability to work flexible hours (approximately 10-15 per week) from 8:15 am to 5:45 pm Monday through Friday and two Saturdays per month, 8:45 am to 12:15 pm
- \* Cash handling experience
- \* Solid customer service skills
- \* Ability to maintain strict confidentiality
- \* Good manual dexterity
- \* Numerical skills with attention to detail
- \* Ability to follow bank policies and procedures

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Qualified candidates may apply online at [www.firstdakota.com/](http://www.firstdakota.com/) Employment or request an application at any First Dakota location. Individuals may also submit a resume & cover letter by mail or email to:



**FIRST DAKOTA NATIONAL BANK**  
Human Resources Department  
PO Box 156, Yankton, SD 57078  
Email: [hresource@firstdakota.com](mailto:hresource@firstdakota.com)  
**Application deadline is Monday, July 30th, 2012.**  
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