

SDSU Extension

Forecast Calls For A Cool, Wet July

BROOKINGS — As El Nino increases in strength this summer, its impacts on our summer conditions in North America are becoming evident, said Laura Edwards, SDSU Extension Climate Field Specialist, referencing the latest climate outlook from National Oceanic Atmospheric Administration's (NOAA) Climate Prediction Center.

"The July outlook indicates increased likelihood of cooler and wetter conditions throughout South Dakota this July," Edwards said. "These temperature and precipitation projections strongly reflect a summertime El Nino pattern over North America."

The outlook indicates that throughout the central states — including South Dakota — cooler than median temperatures are favored in the month ahead. "In addition to El Nino, this temperature outlook is also a response to the very wet soils and ample rainfall that has fallen in this region over the last several weeks, which tends to reduce the high temperatures in the summer season," Edwards said.

In South Dakota, the median temperatures for July range from the low 80s in the northeast, to upper 80s across most of the south and west for highs. Median lows are in the upper 50s in the northwest to lower 60s in the southeast.

Most of the Rocky Mountain region and the central states are favored to be above median for precipitation in July. "There is strong consensus in the forecast models for this precipitation signal, according to the Climate Prediction Center," said Dennis Today, SDSU Extension Climate Specialist and South Dakota State Climatologist.

90 PERCENT LIKELY TO CONTINUE

Today added that a recent update on the El Nino conditions, from NOAA Climate Prediction Center, stated that El Nino is 90 percent likely to continue through the fall season, and 85 percent likely to continue or intensify into the winter.

"This may sound like a bold prediction, however many climate models have been accurately forecasting the temperature and precipitation over the last couple of months," Today said. "There is some confidence that the long-range climate models may have now captured how the sea surface temperatures in the Pacific Ocean will impact our climate for the rest of the year."

For much of South Dakota, El Nino in the summer season generally tends to be wetter and cooler, particularly in July and August. The Climate Prediction Center outlook is

consistent with that climatology.

Looking ahead to the next three months (July-September), South Dakota looks to be wetter than average. In the same period, Today explained that the area most likely to experience cooler temperatures is concentrated to the Central Plains and the heart of the Mississippi River Valley region.

"As a result, South Dakota is currently projected to have equal chances of below, above or near median temperature in the next 90 days," he said.

WHAT EL NINO MEANS TO S. DAKOTA CROPS

For croplands, pastures, yards and gardens, the El Nino summer season ahead may mean less heat stress than average, Edwards explained. "There is ample moisture currently in most of the soils and a continuation of the rainfall pattern like the one we have seen over the last few weeks will reduce drought or water stress as well," she said. Combined with the likely cooler conditions crop water use should be reduced.

Disease issues, like stripe rust, have already become apparent in many wheat fields, and given the higher humidity and moisture in the atmosphere, Edwards said scouting fields

will be increasingly important.

"Growers may also be more concerned about weeds, as the recent wet conditions have made some field work difficult for pesticide application," she said. "A few warm, dry days are all a weed needs to grow quickly, and frequent scouting is suggested."

With this much moisture high stress conditions for livestock could appear periodically because of higher dew point, even with less extreme high air temperatures.

DROUGHT ELIMINATED IN SOUTH DAKOTA

The short window of drought our state experienced in the early months of 2015 has been all but eliminated given our recent wet and cool pattern over the last six weeks.

"This week's U.S. Drought Monitor shows virtually no change from last week in our area, with the southeast part of the state continuing to be slightly drier than average for the year so far," Today said.

The drought outlook through September indicates continued improvement or removal of the remaining drought affected areas in South Dakota, given the likelihood of wetter and cooler conditions for the remainder of the growing season.

For more information, visit iGrow.org.

Research Farm Summer Research Day Set

BROOKINGS — SDSU Southeast Research Farm Summer Research Day is July 7. SDSU Southeast Research Farm will host a Summer Research Day July 7 at the farm (29974 University Road, Beresford).

The Research Day is open to the public and will feature field tours, information on high tunnel construction, production and economics; presentations by SDSU Extension staff and SDSU faculty.

FIELD TOURS & PRESENTATION TOPICS

Field tours will start at 1:30 p.m., 3:30 p.m., and 6 p.m. Indoor presentations will begin at 3:30 p.m. Seth Naeve, Soybean Agronomist with the University of Minnesota will present Soybean Production and Marketing Highlights during a supper break at 5:15 pm.

Field presentations include:

- Corn and Soybean Herbicide Evaluations — Presented by Paul O. Johnson, SDSU Extension Weed Science Coordinator.
- High Tunnel Construction — Presented by Brad Rops; Operations Manager, Southeast Research Farm.
- High Tunnel Production — Presented by Rhoda Burrows; SDSU Extension Horticulture Specialist.
- Economics of High Tunnel Enterprises: Examples from Other States — Presented by Jack Davis, SDSU Extension Crops Business Management Field Specialist.
- Multi-Hybrid Planter: The Next Generation — Presented by Peter Sexton; Southeast Farm Supervisor/SDSU Plant Science and SDSU Extension Sustainable Cropping Systems Specialist.
- Cover Crops for Grazing and Soil Health — Presented by Elaine Grings, Assistant Professor & SDSU Extension Cow/Calf Management & Production Specialist; Anthony Bly, SDSU Extension Soil Field Specialist; and Peter Sexton.
- Foliar Analysis for Soybean: How to Do It and What It Means — Presented by Anthony Bly, SDSU Extension Soil Field Specialist; David Karki, SDSU Extension Agronomy Field Specialist; and Peter Sexton. Drainage Management with Tile; presented by Chris Hay, SDSU Extension Water Management Engineer.
- Oat Breeding — Presented by Melanie Caffé, Assistant Professor; Oat Breeding.

INDOOR PRESENTATIONS INCLUDE:

- South Dakota Climate Current Conditions and Outlook — Presented by Dennis Today, South Dakota State Climatologist & SDSU Extension Climate Specialist.
- Soybean Cyst Nematode and Corn Disease Update — Emmanuel Byamukama, SDSU Extension Plant Pathologist.
- Soybean Pest Update — Kelley Tilmom, SDSU Extension Soybean Entomology Specialist.
- Soybean Disease Management Update; Febina Methew; Assistant Professor, Plant Pathology; SDSU

Conservation Innovation Grants Available

HURON — The Natural Resources Conservation Service (NRCS) announces the availability of \$150,000 for state level Conservation Innovation Grants (CIG). Applications must be received by July 17, 2015.

South Dakota NRCS is seeking proposals for the state level CIG program that targets soil quality and pollinator habitat. A total of \$150,000 has been set aside for this state-level program, with a maximum grant award of \$75,000 per project.

The state CIG Announcement for Program Funding (APF) is available on the Grants.gov website at <http://www.grants.gov> and on the SD NRCS Web site at <http://www.nrcs.usda.gov/wps/portal/nrcs/main/sd/programs/financial/cig/>. Proposals are requested from eligible government or nongovernment organizations and entities for competitive consideration of grant awards for projects between one and three years in duration.

The CIG is a voluntary program intended to stimulate the development and adoption of innovative conservation approaches and technologies while leveraging Federal investment in environmental enhancement and protection, in conjunction with agricultural production. Under CIG, Environmental Quality Incentives Program (EQIP) funds are used to award competitive grants to non-Federal governments or non-governmental organizations, Tribes, or individuals.

The CIG projects facilitate NRCS' work with other public and private entities to accelerate technology transfer and adoption of promising technologies and approaches to address some of the Nation's most pressing natural resource concerns. CIG projects will benefit agricultural producers by providing more options for environmental enhancement and compliance with Federal, State, and local regulations.

For more information about CIG, contact your local NRCS office or Jay Cobb at 605-352-1260.

Clothing Corner: Tips On Dressing For The Job On Dairies

BROOKINGS — A good share of dairy producers, are now providing their employees with some type of uniform. When deciding what their employees should wear while working with their dairy herd, Tracey Erickson, SDSU Extension Dairy Field Specialist encourages dairy producers to consider safety and comfort.

LET'S START AT THE TOP

"If if you are going to be outside for more than an hour, even on cloudy days you will want to consider wearing a hat with a brim around the entire cap, to provide some protection from UV rays and potential skin-damaging sunburn," Erickson said.

She adds that eye protection should also be considered. "Safety goggles or glasses should be required by all employees," Erickson said. "Employees often deal with many different chemicals or hazardous objects that have the potential to "propel" and could possibly end up in the eye."

When it comes to eye protection, Erickson reminds

readers that there are many types available in the market. "Remember, if they are not comfortable and affordable they will not be purchased or worn."

DRESS IN LAYERS

Because employees and producers are often exposed to varied risks within their job, Erickson said clothing should be fairly tight fitting and free of tears or strings that can become entangled in PTO's or caught on equipment. "Durability, along with breathability, is important when selecting fabric," she said. "Remind employees, that when they are buying coveralls, to take into account, the ability to put on layers of clothes underneath them."

Finding the perfect fit may take a little effort. "Even though we want clothing that fits and is not baggy, it needs to allow the person to sit, stretch, squat and bend," Erickson said.

FOOTWEAR

Oftentimes, we talk about wearing leather boots and hard soles to protect our

feet in case an animal steps on them or while operating equipment. However, Erickson said leather may not provide the best protection if the primary job of the employee deals with a lot of moisture and chemicals, such as the milking parlor or the free-stall barn.

"Rubber boots with non-skid sole, and some arch support are good choices, as they protect the foot from excess moisture and can be easily cleaned," she said. "Steel toed rubber boots, should be considered if available, as they add extra protection if stepped on by an animal."

She added that socks that help wick moisture away from the foot are also important; otherwise employees could end up with athlete's foot due to the high moisture environments that they work in.

HANDS

On a dairy, employees working in the milking parlor should wear rubber gloves. "The increased amount of moisture exposure and chemicals used in pre and post dipping of the udder and sanitation of the equipment

YOUR NEWS!
The Press and Dakotan

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STIP Public Meetings
S.D. Dept. of Transportation has developed a Tentative 2016-2019 Four-Year Statewide Transportation Improvement Program (STIP). The Tentative STIP includes all the state sponsored transportation projects for this time period.
Prior to final approval of the STIP by the Transportation Commission, public meetings will be held on the following dates and locations to receive public comment on the tentative program.

July 13, 2015.....	Ramada Convention Center	Aberdeen	7:00 PM (CDT)
July 14, 2015.....	Ramkota Hotel.....	Sioux Falls.....	7:00 PM (CDT)
July 15, 2015.....	Americinn Lodge	Ft. Pierre	7:00 PM (CDT)
July 16, 2015.....	Ramkota Hotel.....	Rapid City	7:00 PM (MDT)
July 23, 2015.....	Webinar.....	Contact: Dave.Voeltz@State.SD.US to register....	1:30 PM (CDT)

Individuals with disabilities or special needs call 605-773-3540 or 1-800-877-1113 (TDD).
For more information please go to www.SDDOT.com



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means taking care of yourself to be the best you can be for your children, and your children's children. Don't miss one word of that secret your grandchild can't wait to share with you! Contact us today for a hearing check. With so many options available, our Doctors will work with you to find the best hearing solution for you!

Happy Father's Day!



Beth J. Beeman
Au. D., CCC-A



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