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Frost risk less with snow cover

Temperatures got down into the mid to upper 20s Friday night. Could there be any injury to the wheat crop?

Where wheat has some snow cover, it will be protected against damage from the cold. Even if not covered, however, wheat that has either one or two joints is unlikely to be injured by temperatures in the mid to upper 20s. Wheat that is not yet jointed and is unprotected by snow will probably have some damage to the leaves, but this is a cosmetic injury that will not affect yields.

In the jointing stage, wheat can usually tolerate temperatures in the mid to upper 20s with no significant injury. If temperatures get into the low 20s or below for several hours, there can be some injury to the lower stems, the leaves or the developing head.

If it is windy during the night when temperatures reach their lows, this increases the chance of injury. The soil may help radiate heat into the canopy and protect wheat from freeze injury unless the wind blows. If the soil has a good layer of residue on the surface, such as in no-till fields, however, it will not be able to radiate heat as well.

When and how will farmers know if wheat in the jointing stage has been injured by cold temperatures? If temperatures warm up rapidly, damage may be apparent by the end of



week or two, however, it will take longer to notice any freeze injury.

The symptoms vary. If the main tillers are injured, secondary tillers may begin growing normally and fill out the stand. The wheat may have a ragged appearance because the main tillers are absent, but there may still be enough surviving tillers to produce a yield if spring growing conditions are good.

If the leaves of tillers are yellowish when they emerge from the whorl, this indicates they have been damaged. If both the main and secondary tillers are injured, the field may eventually have large areas that have a yellowish cast and reduced yield potential.

Where tillers are damaged at early jointing, they may stop growing and the head will never emerge. Later in the jointing stage, some of the damaged tillers may still exert the head but it may be partially or entirely blank.

It's not just leaves in whorl that can be damthe week. If temperatures stay cool for another aged by freeze injury. A hard freeze at jointing

Babies

can damage the existing leaves so severely that they turn bluish, then bleach out. This usually results in the field having a "silage smell."

If the lower stems are damaged by freeze injury, the wheat plants will likely lodge at some point. Lodging could also be caused by other factors, however, so it will be important to examine the lower stems on lodged plants to determine the cause. Plant may have simply leaned over due to environmental factors, such as a hard rain or high winds after a freeze and will eventually come back up if the lower stem isn't damaged.

Farmers should watch the temperatures and take the crop's stage of development into account. These comments are general guidelines. Actual damage, if any, will not become apparent until temperatures have warmed back up for several days and growth has resumed.

For information on freeze damage to wheat, see "Spring Freeze Injury to Kansas Wheat," K-State Research and Extension publication C646, at www.oznet.ksu.edu/library/crpsl2/ c646.pdf.

Clint Milliman is the Thomas County agriculture and natural resources agent with Kansas State Research and Extension. A native of Illinois, Milliman works with area 4-H clubs, farmers and ranchers.



Lucan Daniel Shamburg and Chelsea Lynn McDonald

July wedding planned by couple from college

Lucan Daniel Shamburg plan to and a 2008 graduate of the Solmarry Saturday, July 30, 2011, omon Oaks Christian Academy at the Evangelical Free Church in Smith Center.

Gary and Terry McDonald of Smith Center. She is a 2009 graduate of Smith Center High School.

Chelsea Lynn McDonald and and Curtis Shamburg of Portis in Portis.

Both expect to graduate from The bride is the daughter of Colby Community College in May with degrees in horse production. The couple are planning a future in horse rescue and youth ministry.

The groom is the son of Dee

Wheat (bushel) Corn (bushel) Milo (hundredweight) Soybeans (bushel)



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Hospice says 'thanks'

National Volunteer Week was one. April 10 to 16, and Hospice Serprovide support, companionship and hope to those facing a lifelimiting illness.

"Hospice volunteers play an indispensable role in enabling us to offer the best care possible for patients living with life-limiting illness, their families and caregivers," said Sandy Kuhlman, executive director. "By sharing their time, energy and expertise, our volunteers bring compassion and caring to the lives of those in need."

Hospice volunteers understand every person they care for is an individual with a lifetime of experiences, relationships and gifts to share. They help people live every moment of life to the fullest.

Most choose to give their time helping others because of their own experiences with the care hospice provided to a dying loved

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In northwest and north central vices honored its volunteers who Kansas, more than 120 volunteers provide more than two thousand hours per year to help care for patients and families. Many more volunteers help Hospice Services through the board of directors, advisory boards, special events and office support.

> The National Hospice and Palliative Care Organization reports an estimated 468,000 hospice volunteers providing more than 22 million hours of service each year.

Medicare requires that 5 percent of all patient care hours be provided by trained volunteers. This regulation reflects the vital role that volunteers play in the hospice philosophy of care and ensures that a hospice program has roots deep in its community.

For information about Hospice Services, go to www.hospicenwks.net or call (800) 315-5122.

Chloe Crawford

Chloe Crawford, daughter of Scott and Taryn Crawford of Hays, was born Tuesday, Feb. 22, 2011, at Hays Medical Center. She weighed 9 pounds and measured 20 1/2 inches.

Grandparents are Mike and Jennifer Woofter of Colby, and Cecil and Brenda Crawford of Plainville. Great-grandparents are Mary Ellen Horton of Atwood and Gladys Woofter of Hoxie.

Corrections

In the obituary for Bruce O. Selby on Page 4 of the Monday, April 18, Colby Free Press, the name of his wife, Marilyn M. Selby of Colby, was inadvertently omitted. This was a reporting and editing error.

* * * * * * The Colby Free Press wants to maintain an accurate record of our town. Please report any error or lack of clarity in a news story to us at 462-3963.



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Markets Quotes as of close of previous business day Hi-Plains Co-op **Cloe Crawford**

It is so hard to find the words to express our thanks for all the love, support, prayers, food, phone calls, visits and generosity you have given us in the loss of Dalen.

Thank You

Thank you to the Daycare Providers who so generosly gave to the memorial.

Dalen will always be remembered not only by the way he lived his life to the fullest, but also by those who benefited from the organs he gave.

> Pete and Kim Schlageck & Family Joe and Marlene Cooper & Family Gale and Janice Schlageck & Family





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