

HEAVY SNOW has weighted down the bushs and tree around town.

Herald staff photo by Karen Krien

# Ag Talk with Jeanne \_\_\_\_

#### Bt corn events and refuges needed

Knowing the requirements for against corn rootworm, there are refuges for insect resistant management (IRM) for Bt corn can be important when ordering seed corn and planning for the upcoming growing season. There are two basic insect resistant management programs for Bt rootworm corn and Bt European corn borer corn. If you are growing a Bt corn stack that has genes for both corn borer and rootworm (YieldGard Plus, Herculex Xtra), you must follow the insect resistant management for rootworm program for Bt rootworm corn.

several requirements.

Growers must plant a structured refuge of at least 20-percent non-Bt rootworm corn that may be treated with insecticides (for example: seed treatments, liquid or granular) as needed to control corn rootworm larvae.

Growers will not be permitted to apply corn rootworm labeled insecticides to the refuge for control of insect pests (either rootworm beetles or other insects, such as western bean cutworms, grasshoppers, and others) while For Bt corn hybrids active adult corn rootworm are present

Irrigation scheduling using KanSched2

that producers use for maximizing yields, and reducing water and energy usage. Many producers are likely familiar with KanSched, which is an irrigation scheduling tool from Kansas State University that determines when and how much irrigation water to apply. KanSched is a program developed by irrigation specialists at Kansas State University that is tailored to Kansas crops and growing condi-

evapotranspiration (ET) values is schedule. much like using checkbook accounting, where valued commodities are tracked. In this case, soil water rather than money, is the valued commodity. The debit is the crop water use, while credits are rainfall and irrigation.

"The major goal of the 'ac-

In George Washington's days,

### Fun Facts -

there were no cameras. One's image was either sculpted or painted. Some paintings of George Washington showed him standing behind a desk with one arm behind his back while others showed both legs and both arms. Prices charged by painters were not based on how many people were to be painted, but by how many limbs were to be painted. Arms and legs are "limbs" therefore painting them would cost the buyer more. Hence the expression "Okay, but it'll cost you an arm and a leg."

Irrigation scheduling is a tool counting procedure' is to help the producer keep the amount of water in reserve above a minimum acceptable level to prevent water stress to the growing crop," said Dan Rogers, agriculture engineer

### New and improved

There is now a new and imversion, KanSched2. This program is a smile and user friendly spread sheet based-program that can be quickly learned and easily used by Irrigation scheduling that uses irrigators to develop an irrigation programs, and others.

> The new features include a way to account for cutting cycles in alfalfa, an irrigation forecast (five days into the future) irrigation fuel cost accounting, and a water record page for individual fields. In addition, pull down menus are planted with non-corn borer Bt included throughout the whole program for easy navigation.

KanSched2 was developed by Rogers and Mahbub Alum, agriculture engineer at the SW Kansas Research and Extension Center in Garden City. Producers that have the original KanSched are likely to find KanSched2 familiar and should have little or no difficulty adapting to KanSched2.

In addition, once it is time to enter data for the new year, it can easily be entered without creating a new field or deleting the old data. Contact your local K-State Extension Office for information on obtaining the KanSched2 pro-

Jeanne Falk K-State Co Agronomist

unless the Bt rootworm field is treated in a similar manner. Refuge plantings may be blocks

in or adjacent to Bt rootworm cornfields or as in-field strips. External refuges must be

planted adjacent to Bt rootworm When planting the refuge in

strips across a field, refuges must be at least six rows wide for YieldGard Rootworm and YieldGard Plus or at least four rows wide for Herculex RW and Herculex Xtra. It is preferable to have wider strips, such as 12 consecutive row-wide strips.

Insecticides for control of corn rootworm larvae may be applied to the refuge area. In addition, the refuge must be planted in similar ground as the Bt corn for rootworm (such as: YieldGard Rootworm, or Herculex RW), that is, if the Bt corn for rootworm is planted in ground that was in corn the previous year, so must the refuge. General management of the Bt corn for rootworm and the refuge should be similar, such as planting dates, irrigation, fertility

there are other requirements.

On each farm, growers may plant up to 80 percent of their corn acres with Bt corn. At least 20 percent of their corn acres must be corn and treated only as needed with insecticides. Decisions to treat the refuge must be based on economic thresholds. Conventional Bt products (liquids or granules) must not be used on the non-Bt refuge.

Plant non-Bt corn refuge within, adjacent to, or near the Bt cornfields. The refuge must be placed within 1/2 mile of the Bt

field, preferably within 1/4 mile. If refuge is established as strips in a field, the strips should be no narrower than four rows. General management of the Bt corn for European corn borer and the refuge should be similar, such as planting dates, irrigation, fertility programs, etc.

## Bruce D. Bierig

Dec. 25, 1936 - Dec. 31, 2006 Bruce D. Bierig, 70, died Sunday, Dec. 31, 2006. He was born to Sol and Florence Bierig on the family farm near Isabella, Okla., on Dec. 25, 1936.

Bruce attended high school in Fairview, Okla., and went to Wichita State University on a football scholarship. He graduated with a bachelor's degree in education. He pursued additional education, receiving his master's and specialist's degrees in education from Alva State College in Alva, Okla.

He was preceded in death by his parents, Sol and Florence Bierig; sister, Ilene Doughty and brotherin-law, Dennis Doughty, and his brother, Warren Bierig.

Survivors include his wife, Rose Mary Bierig; daughter, Karrie and husband, Mark Johnston of Wichita; son, Jeff Bierig and wife, Ginny of Tabernash, Colo.; stepson, Geoffrey Peter of Grand Prairie, Texas; two grandchildren, Emily and Haley Johnston of Wichita; sister, Jewell Becker, and brothers, Dick Bierig and Vernon

Bruce taught school and coached football at Derby and Wichita North High School from 1958 to 1972. He transferred to Truesdell Middle School as a vice principal and later went to Northwest High School as vice principal when the school opened in

He moved to St. Francis in 1981. Bruce was involved with Eldon Zimbelman in the custom cutting business, known as Z&B Custom Harvesters. He retired in 1996, due to failing health.

Services will be held at 10:30 a.m. on Monday, Jan. 8, at United Methodist Church in St. Francis with Pastor Morita Truman offi-

Arrangements were made by Knodel Funeral Home, St.

#### **Martin Carl Busse**

Sept. 25, 1918 - Dec. 27, 2006 Martin Carl Busse was born on Sept. 25, 1918, in Thayer County, Hebron, Neb. He was the third child of August Henry and Anna Marie Greisler Busse. He was baptized at Hebron. Fourteen months later he moved to Bird City, Kan., to live on the farm homesteaded by his maternal grandparents, Henry and Albertine Greisler. It was this same place he called home for the next 68 years.

Martin was confirmed at St. John Lutheran Church on April For Bt corn hybrids that are ac- 24, 1932. He was active in Luther tive against European corn borer, League and was vice president of the Central District. He taught high school Sunday school for 20 years and adult Sunday school into his 80s. Martin was an active member of the Lutheran Brotherhood, sang in the choir, served as president of the local Aid Association of Lutherans (AAL) and was elected to church council in various positions over the years.

> He attended the one-room Mt. Pleasant School completing eighth grade. He then attended Bird City Rural High School graduating in 1937. He served as president of his senior class, the first class to take a senior trip, traveling to Denver and Boulder.

In 1939, after taking a sixmonth correspondence course in diesel mechanics, he went to Los Angeles, Calif., for one month of shop training.

Martin was drafted into the Army and left home on July 31,

1941. After four days, he enlisted and setting a good example for his in the Army Air Corp. He achieved the rank of Tech Sergeant as an airplane mechanic. Martin was in the military for over four years. He was honorably discharged on Nov. 27, 1945. He was an active member of the American Legion.

On June 8, 1947, he married Arlene America Ochsner at Salem Lutheran Church northwest of St. Francis. They moved to a farm south of Bird City where they lived for two years. In 1950, they purchased the farm from his father that had been homesteaded by his Linen. grandfather. On their farm he raised wheat, corn, milo, sunflowers and Polled Hereford cattle.

They were blessed with two daughters, Sherri Lynn and Beverly Jean, and one son, Stephen Martin.

Martin's many activities included 20 years as president of the board of directors of Northwest Kansas Electric Cooperative adn he was proud of servin on this board. He was on the telephone board, school board, Agriculture Stabilization and Conservation Service (ASCS) Committee and the Farmers Home Administration (FmHA) Committee. Martin volunteered for years in the Fancy Five and Eggers Eight buildings at the Steam Engine Show.

Arlene and Martin moved into Bird City in December 1987 and he remained there until his death on Dec. 27, 2006, at the Cheyenne County Hospital, at 88 years of

Preceding him in death were his Bethany Busse; parents; brother, Paul; sister, Esther and husband, Fred Dornauer; sister-in-law, Minnie Busse. Survivors include his daugh-

ters, Sherri and husband, Phil Berndt of Monument and Beverly and husband, Ron Smith of Colorado Springs, Colo; son, Steve and wife, Jan of Bird City; five grandchildren, Lydia and Lucas Smith, and Sydney; Craig and Stephanie Busse; brother, Clarence Busse of St. Francis; sister, Ruth Oestmann and brother-in-law, Louis of Cottonwood, Ariz.; sister-in-law, Joann Busse Scott of Goodland, nieces, nephews, cousins and a host of friends.

rancher all of his life but it was his James Lutheran Church with Anfaith that was most important to thony Striffler, pastor, officiating. him. He demonstrated it in his actions by devoting his life to Christ City is the burial site.

family and friends. His confirmation verse, Matthew 24:13, "but he who stands firm to the end will be saved," was what he strived for

in his life. Funeral services were held on Jan. 2 at St. John Lutheran Church in Bird City with Shirley Daire PMA as officiant.

Honorary pallbearers were members of the Pinochle Club, Clarence Busse, Walt Roesener, Freda Black, Keith and Hulda Dorsch, Vernetta Haack, Wayne and Erma Deeds and Esther

Casket bearers were Dan Busse, Dave Busse, Dale Oestmann, Terry Busse, Ron Busse, Ted Busse and Brian Ochsner. Interment was in the Bird City

Cemetery, Bird City.

Arrangements were made by Knodel Funeral Home, St.

#### **Edna May Lanam**

May 5, 1918 - Dec. 21, 2006 Edna May Lanam, 88, died Thursday, Dec. 21, 2006, at St. Catherine Hospital in Garden City, Kan.

She was born May 5, 1918, in Fairbury, Neb., to Frank and Matilda Kunz Schmale. She moved with her family to Garden City in 1919, and she graduated with the class of 1936 from Garden City High School. She attended Wilcox Beauty Academy of Dodge City. Mrs. Lanam lived with her sisters, Roberta and Dorothy. She owned and operated Teddy May's Beauty Spot.

On Jan. 25, 1946, she married wife, Arlene; granddaughter, Burton Crippen Lanam in Dodge City. He died May 10, 1964. She also was preceded in death

by her parents, two sisters, Helen and Lydia, and one brother,

Survivors include her daughter, Cinda Dankenbring, and son-inlaw, Keith, of St. Francis; her son, Burton C. Lanam, and daughterin-law, Edith, of Security, Colo.; four sisters, Roberta Schmale, Dorothy Schmale, Pia Maupin, Isabell Bonebrake and brother-inlaw, Carl, all of Garden City; one brother, Frank Schmale, and sister-in-law, Marilyn, of Garden City; seven grandchildren; and six great-grandchildren.

Funeral services were held on Martin worked as a farmer and Dec. 26, 2006, at 10:30 a.m. at St. Valley View Cemetery in Garden

# Couple plan January ceremony in Colby

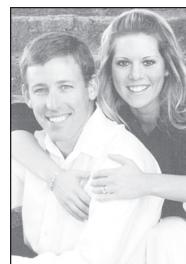
Gary and Mary Moore of Bird City announce the engagement of their daughter Brandi Moore to Terry Niblock of Brewster.

The bride-to-be is a graduate of Cheylin High School and York College. She currently coaches at Grinnell/Wheatland Schools and works for Thomas County Head Start in Colby.

The groom-to-be is a graduate of Winona High School. He is currently employed by Frontier Equity in Brewster.

Brandi is the granddaughter of Bob and Leona Scantland of Greeley, Colo., Willard and Dorothy Moore of Bird City, and the late Maxine Moore.

Terry is the son of Loretta Niblock of Stockton and the late Henry Niblock. He is the grandson of the late Charles and Cecilia Kolbet and the late Rachel Niblock.



Niblock-Moore

They will be united in marriage at Sacred Heart Catholic Church in Colby on Jan. 20.

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