

Jury still out on feeding byproducts to cattle

MANHATTAN — Scientists at Kansas State University who are studying the effect of feeding distiller's grains to beef cattle said that more research is needed before cattle feeders and the public should reach definitive conclusions.

In three separate studies conducted over the last two years, T.G. Nagaraja, a professor of microbiology in K-State's College of Veterinary Medicine, and Jim Drouillard, K-State professor of animal sciences and industry, found that feeding beef cattle a diet that included 25 percent distiller's grains (DGs) increased the prevalence (number of cattle positive) of E. coli O157 in those animals' manure.

"In cattle, our previous research has shown that the hind gut — which consists of the cecum, colon, and rectum — is the site of persistence of E. coli O157," Nagaraja said. "Cattle feed passes through the rumen before it reaches the hind gut."

"We can't yet make any recommendations to the cattle industry with regard to our findings."

"We'll need to look at the entire body of evidence before we can make any recommendations," Drouillard said, noting that other universities also are studying this issue and that the research is far from finished.

Distiller's grains are a byproduct of the ethanol production process. A surge in ethanol pro-

duction in recent years has led to increased availability of wet and dry distiller's grains, which have become a common ingredient in livestock and poultry rations.

"It's important for people to know that not all cattle have E. coli O157," Nagaraja said. "In fact, usually a relatively small percentage of cattle carry detectable levels of this organism in their manure."

"It's also important for people to know that distiller's grains do not contain E. coli," Drouillard said.

In the first of the three K-State studies, wet distiller's grain was fed to the test group of cattle. In the second and third studies, dry distiller's grains were fed. In all three studies, the cattle fed DGs all had increased prevalence of E. coli O157 - approximately a two-fold increase.

Numerous questions remain to be answered in future studies, including the effect lesser amounts of DGs would have on E. coli in cattle rations.

"Is there a component in the product (DGs) that sets up the growth of E. coli O157?" Nagaraja said. "That's something else that needs to be determined."

The researchers said that there is no evidence to suggest that a recent increase in the number of meat recalls related to E. coli O157 has any connection to the practice of feeding distiller's grains.



NORTON FIRST UNITED METHODIST CHURCH
The Rev. Lew Van Der Wege, Pastor
804 W. Wilberforce, Norton
 SUNDAY — 8 a.m. Early Service
 9:30 a.m. Sunday School for all ages
 10:30 a.m. Worship Service
 2:30 p.m. Disciple Bible Study
 6 p.m. The Bridge
 MONDAY — 7 p.m. Christmas Eve Service
 11 p.m. Christmas Eve Service
 TUESDAY — 12 p.m. Chamber of Commerce Christmas Dinner in Fellowship Hall
 THURSDAY — 9:30 a.m. Morning Circle
 1:30 p.m. Afternoon Circle

EDMOND UNITED METHODIST CHURCH
Rev. Lew Van Der Wege, Pastor
 SUNDAY — 9 a.m. Worship Service
 MONDAY — 5 p.m. Christmas Eve Service

TRINITY EPISCOPAL CHURCH
Georgia Briery, Senior Warden
102 E. Waverly, Norton
 SUNDAY — 9:30 a.m. Christian Education
 10:30 a.m. Holy Eucharist; Celebrant, Fr. Dennis Gilhousen; Lay Reader, Steve Horney
 11:30 a.m. Coffee Hour Hosts, Don and Elaine Mann
 3-4 p.m. God's Pantry, Alberta Slaby
 MONDAY — Christmas Eve Services at 10 p.m.

CROSSROADS CHURCH
313 West Lincoln Street
Pastor Terry Laughlin
Phone: 877-2416
 e-mail: crossroads@ruraltel.net
www.standatthecrossroads.com
 SATURDAY — 8 a.m. Men's Fellowship and Prayer
 SUNDAY — 9:15 a.m. Sunday School
 10:30 a.m. Worship Service
 WEDNESDAY — 6:45 p.m. Christian Fellowship
 7:15 p.m. Adult Bible Study

ST. FRANCIS OF ASSISI CATHOLIC CHURCH
Father Vincent Thu Laing
877-2234
stfranci@ruraltel.net
108 S. Wabash, Norton
 Mass Schedule
 Sunday 10:30 a.m. Mass
 Christmas Eve Mass, 8 and 10 p.m.
 Christmas Day Mass, 9 a.m.
 Wednesday — 7:15 a.m. and 7:15 p.m.
 Thursday 7:30 a.m.
 Friday 7:30 a.m.
 Saturday 7 p.m.
Sacrament of Reconciliation
 4 p.m. Saturday, 30 minutes before Mass or by appointment
 TUESDAY — 7 p.m. Bingo
 WEDNESDAY — 7 p.m. SYF (K-8)
 First Friday of the Month — Adoration following Morning Mass
 First Saturday of the Month — 8 a.m. Marian Devotions
 K of C Third Monday of Month at 7:30 p.m.

NORTON MINISTERIAL ALLIANCE
 Hospital Chaplain, Monday through Sunday, Kirk Kasson
 Andbe Home Services, 2 p.m. and Norton Manor Services 3 p.m., Maurita Lymer

PRAIRIE VIEW REFORMED CHURCH
The Rev. Jeffrey Van Der Weele
410 Holland, Prairie View
973-2794
 SUNDAY — 9 a.m. Morning Worship
 MONDAY — 7 p.m. Christmas Eve Services,

LUCTOR CHRISTIAN REFORMED CHURCH
2 miles east and 3 miles north of Prairie View
The Rev. Jeffrey Van Der Weele
973-2794
 SUNDAY — 10:30 a.m. Morning Worship, Christmas Cantata
 TUESDAY — 9:30 a.m. Christmas Day Services
 JAN. 1 — 9:30 a.m. New Year's Day Service

REDEEMER EVANGELICAL LUTHERAN CHURCH
Pastor Timm O. Meyer
 SATURDAY — 1 p.m. Worship Service at Norton Correctional Facility
 SUNDAY — 7 a.m. "Time of Grace" on FOX-TV
 9:05 a.m. "Goodness From the Good Shepherd" Radio Broadcast, KQNK 106.7 FM & 1530 AM or www.kqnk.com
 9:30 a.m. Worship Service
 10:45 a.m. Sunday School, Church Council Meeting
 12 p.m. Worship at Norton Correctional Facility
 1:35 p.m. Confirmation Class
 MONDAY — 6:30 p.m. Children's Christmas Eve Service
 TUESDAY — 9:30 a.m. Christmas Day Song Service
 6 p.m. and 7:30 p.m. Christmas Day Song Service at Norton Correctional Facility

NORTON CHRISTIAN CHURCH
Jeff Nielsen, Minister
Mike Sander, Youth Minister
 e-mail: ncc_office@sbcglobal.net
208 N. Kansas, 877-2871
 SUNDAY — No Early Worship
 9:30 a.m. Sunday School
 10:40 a.m. Worship Service
 NO "Ignite"
 MONDAY — 6:30 p.m. Christmas Eve Service
 TUESDAY — Christmas Day - Office Closed
 WEDNESDAY — Office Closed
 NO Prayer Group
 NO AWANA
 MONDAY, Dec. 24, 6:30 p.m. Christmas Eve Service

FIRST CHURCH OF GOD
Pastor Terrill Worthington
1010 Churchill Dr.
877-2181
 SUNDAY — 9:15 a.m. Time of Prayer (Adults)
 9:30 a.m. Time of Prayer (Children in kitchen)
 9:45 a.m. Sunday School
 10:45 a.m. Morning Worship
 6 p.m. Choir Practice
 7 p.m. Evening Service
 WEDNESDAY — 6 p.m. 3D at Parsonage
 7 p.m. Adult Bible Study, King's Kids, Jr. High and High School
 Worship
 8 p.m. Committee Meetings, Team Practice
 2nd THURSDAY of each month — 7 p.m. Women of the Church of God
 3rd SATURDAY of each month — 8 a.m. Men's Breakfast

IMMANUELL LUTHERAN CHURCH
The Rev. Rick Rostek
814 N. Second, Norton
877-2430
 SUNDAY — 9 a.m. Sunday School, Bible Class
 10:30 a.m. Worship
 MONDAY — 7 p.m. Christmas Eve Candlelight Service
 TUESDAY — 10 a.m. Christmas Day Holy Communion Service
 WEDNESDAY — 9:30 a.m. Bible Study
 3:45 p.m. Christ for Kids
 5:15 p.m. Choir
 7 p.m. Christmas Cantata
 8 p.m. Confirmation
 MONDAY, Dec. 31, 7 p.m. New Year's Eve Vespers

CONGREGATIONAL CHURCH, ALMENA
Kirk Kasson, Pastor
 e-mail: congo@ruraltel.net
 SUNDAY — 9:30 a.m. Sunday School

10:30 a.m. Church Services
 6 p.m. Bible Study at Kim and Kirk's
 7 p.m. Teens For Christ
 TUESDAY — 7:15 a.m. Teen Women's Discipleship
 WEDNESDAY — Good News Club will not meet during December
 THURSDAY — 7:15 a.m. Teen Men's Discipleship

ST. JOHN'S CATHOLIC CHURCH, LOGAN
Father Ben Saw
 SUNDAY — 8:30 a.m. Mass
 MONDAY — 5:30 p.m. Mass

FIRST CHRISTIAN CHURCH OF LOGAN
Pastor Troy Buss
 SUNDAY — 9:30 a.m. Sunday School
 10:30 a.m. Church services
 WEDNESDAY — 7 p.m. Bible Study

CLAYTON UNITED METHODIST CHURCH
Pastor Ray Gilstrap
669-2554
 SUNDAY — 10 a.m. Church School
 11 a.m. Worship Service, Choir
 MONDAY — 6 p.m. Christmas Eve Service with the Christmas Choir

LENORA CHURCH OF GOD
Pastor Maurita Lymer
785-567-4459
 SUNDAY — 9:45 a.m. Sunday School
 10:30 a.m. Worship Service
 THURSDAY — 7 p.m. Evening Bible Study

NORTON SEVENTH DAY ADVENTIST CHURCH
105 S. Case Street
Pastor Marion Miller
 SATURDAY SERVICES — 9:45 a.m. Church Services
 10:45 a.m. Sabbath School

LONG ISLAND UNITED METHODIST CHURCH
The Rev. Dean Gilbert
554 Washington, 854-7626
 SUNDAY — 11 a.m. Morning Worship
 FIRST SUNDAY — 12 noon Fellowship Dinner
 1 p.m. Administrative Council Meeting
 FIRST WEDNESDAY — 2 p.m. United Methodist Women's Meeting in Fall, Winter and Spring

NORTON FIRST BAPTIST CHURCH
Pastor Charles Ross
112 S. Archer, 877-5214
 SUNDAY — 11 a.m. Worship Service
 6 p.m. Evening Service
 WEDNESDAY — 7 p.m. Mid-Week Prayer Meeting and Bible Study

LIVING HOPE FELLOWSHIP
One mile south of Norton at corner of PDRA road
Pastor Jerry Cummings
877-2426
 SUNDAY — 10 a.m. Worship and Praise Service
 TUESDAY — 10 a.m. Prayer Meeting
 WEDNESDAY — 7 p.m. Youth and Children's Programs
 7 p.m. Adult Home Bible Study

THE CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS
Phillipsburg Ward
Tom Arnett, Bishop
 SUNDAY — Regular services
 TUESDAY — 7 p.m. Co-Ed Volleyball
 WEDNESDAY — 7 p.m. Primary Activity Night. All children invited.

LOGAN UNITED METHODIST CHURCH
The Rev. Dean Gilbert
303 W. Church, 689-4350
 SUNDAY — 9:15 a.m. Worship
 10:30 a.m. Sunday School

9:15 a.m. Fifth Sunday song service
 FIRST & THIRD WEDNESDAYS — 6:30 p.m. UMYF
 SECOND WEDNESDAY — 1:30 p.m. United Methodist Women
 THIRD WEDNESDAY — 7:30 p.m. Administrative Council Meeting

UNITED PARISH OF LENORA
The Rev. Gary Dudder
140 E. Iowa, 567-4420
 SUNDAY — 9:30 a.m. Sunday School
 10:30 a.m. Worship Service

LYLE UNITED METHODIST CHURCH
Guest Speakers Each Sunday
 SUNDAY — 8 a.m. Worship Service

MAPLE GROVE CHURCH OF THE BRETHREN
Kyle Douglas
9 miles west
4 1/2 miles north of Norton
 SUNDAY — 10 a.m. Sunday School
 11 a.m. Worship Service, Guest Speaker, Galen Penner
 Carry-in Dinner after Service
 4th Tuesday, Women's Fellowship
 3rd Sunday, Noon, carry-in dinner

ST. JOSEPH CATHOLIC CHURCH, NEW ALMELO
stjoseph@ruraltel.net
Father Vincent Thu Laing
 SUNDAY — 8:30 a.m. Mass
 Christmas Eve Mass, 6 p.m.
 FRIDAY and MONDAY — 8 a.m. Scripture Communion Service
 Weekday Mass Tuesday 8:30 a.m.

ALMENA UNITED METHODIST CHURCH
Pastor Ray Gilstrap
669-2554
 SUNDAY — 8:30 a.m. Worship
 WEDNESDAY — 7 p.m. Bible Study in Fellowship Hall
 TUESDAY and THURSDAY — 9 a.m. Vita Band Exercise Class, Everyone Welcome
 7 p.m. Bible Study at Grace Reeves

HENDLEY/WILSONVILLE UNITED METHODIST CHURCHES
The Rev. R.L. Malchow
 10 a.m. Sunday Worship Hour
 1st and 3rd Sundays, Hendley
 2nd and 4th Sundays, Wilsonville
 Coffee Fellowship after service
 3rd Thursday U.M.W.

WILSONVILLE UNITED BAPTIST CHRISTIAN CHURCH
Minister, Keith Theobald
 SUNDAY — 9:45 a.m. Sunday School
 11 a.m. Worship and Communion
 1st Thursday, B.C.W. 9 a.m.

NORCATUR UNITED METHODIST CHURCH
Pastor Ray Gilstrap
693-4519
 SUNDAY — 10 a.m. Worship Service
 MONDAY — 7 p.m. Bible Study at Fellowship Hall

WILSONVILLE UNITED BAPTIST CHRISTIAN CHURCH
Minister, Keith Theobald
 SUNDAY — 9:45 a.m. Sunday School
 11 a.m. Worship and Communion
 1st Thursday, B.C.W. 9 a.m.

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Pastor Ray Gilstrap
693-4519
 SUNDAY — 10 a.m. Worship Service
 MONDAY — 7 p.m. Bible Study at Fellowship Hall

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The paper you read for the news you need!

THE NORTON TELEGRAM

Cross Roads

CHRISTMAS MESSAGE ON GRASPING THE HEART OF THE MAGI

Hope as it is used in the Word of God has a much different meaning than the word hope is used in this world. Children hope they will get a certain type of Christmas gift. Some people hope they will graduate from high school and go on to college or hope they can find that certain job or career that will make them the amount of money they want to earn or that fame they hope to gain. Others hope that they can do whatever will bring satisfaction for themselves and to others. Others hope that they can beat their cancer this year, be with loved ones just one more year, one more Christmas.

To help you understand Biblical hope, Pastor Terry Laughlin has put together a message titled:

CHRISTMAS HOPE THE HOPE OF THE WISE MEN

Who were these "Magi?"

The Word of God can lead you to fear or believe in the Christ of Christmas

True hope leads to practical sacrificial worship

This message is in complete transcript (Microsoft® Word™) and spoken (MP3) formats. Go to our website and find the button "Messages" and go to the heading "Christmas" and look for the series "The Cast of Christmas." If you are not comfortable with websites just contact us and we will get this material to you FREE. Make plans to read this powerful teaching from God's Word. Praying the Lord's best for you.

Pastor Terry L. Laughlin

CrossRoads Church, 313 W. Lincoln, Norton, KS (785) Phone 877-2416
www.standatthecrossroads.com
 e-mail crossroads@ruraltel.net