

PERSONNEL

DICKINSON BRANCH STATION NORTH DAKOTA AGRICULTURAL EXPERIMENT STATION NORTH DAKOTA STATE UNIVERSITY

as of January 1, 1987

Thomas J. Conlon, M.S. Superintendent and Agronomist	1948
James L. Nelson, B.S. Animal Scientist	1969
Douglas G. Landblom, M.S. Animal Scientist	1974
Burt Melchior, Ag Res Tech II, Crops – Livestock Research	1973
Garry Ottmar, Ag Res Tech II, Livestock Research	1980
Lee Tisor, Ag Res Tech III, Crops – Livestock Research	1980
David Bartow, Ag Res Tech II, Maintenance, Feed Making	1983
Jeffrey Kubik, Ag Res Tech II, Livestock Research	1984
Bryan Olson, Ag Res Tech II, Livestock Research	1987
David Claypool, Res Spec I, Crops, Soils Research	1984
Jane Olheiser, Sec. II, Administration Secretary	1966
Ann Bertie II, General Office	1974

1. **NAME AND RANK**
Thomas J. Conlon, Superintendent and Agronomist
2. **YEARS OF SERVICE**
40 years
3. **YEARS IN PRESENT RANK**
19 years
4. **INSTRUCTION RESPONSIBILITY**
N/A
5. **GRADUATE STUDENT ADVISED**
N/A
6. **RESEARCH PROJECT LEADER**
Projects ND06240, 6243, 6244, 6230
7. **INTERDISCIPLINARY PROJECTS**
Projects ND01601, 1614, 1625, 1630, 3610, 3613, 1623, 1786,
3731, 1922, 6262, 6263, 6264
8. **PROJECTS IN PREPARATION**
ND06245, NS06230
9. **FUTURE RESEARCH**
10. **RECENT PROFESSIONAL ACTIVITIES**
11. **PUBLICATIONS**
Listed on page
12. **COMMITTEE ASSIGNMENTS**
Listed on page 8
13. **OTHER PROFESSIONAL ACTIVITIES**
14. **ACADEMIC RECOGNITION RECEIVED**
15. **EXTENSION OR PROMOTIONAL ACTIVITIES**
Listed on page 9

1. **NAME AND RANK**
James Lee Nelson, Animal Scientist
2. **YEARS OF SERVICE**
20 years
3. **YEARS IN PRESENT RANK**
13 years
4. **INSTRUCTIONAL RESPONSIBILITY**
None
5. **GRADUATE STUDENT ADVISED**
None
6. **RESEARCH PROJECT LEADER**
ND06221, ND06223
7. **INTERDISCIPLINARY PROJECTS**
ND01786, ND01922, NS03731, ND01623, ND06230
8. **PROJECTS IN PREPARATION**
A comparison of barley distillers dried grains, sunflower meal and soybean meal as protein supplements for growing heifers.
Luprostiol for estrus synchronization in beef cows and heifers with Dr. Tom Newby, Norden Laboratories.
Induced abortion in feedlot heifers using Luprostiol or Bovalene, with Dr. Tom Newby, Norden Laboratories.
An evaluation of Big Lic blocks containing Bovatec for steers with Dr. Darwin Britzman, GTA Feeds.
Feedlot rations utilizing dry rolled barley, whole oil type sunflower seeds and sodium bicarbonate.
9. **FUTURE RESEARCH**
An evaluation of the Vigilante^R bolus for control of horn flies in a breeding herd, in cooperation with Dr. Dennis Kopp, NDSU Entomology Dept.
Using barley distillers dried grains and concentrated solubles fed in the form of a “Big Lic” block to supplement breeding cows and growing calves.
To evaluate effects of water quality on pig performance.
Evaluate weaning and growing-finishing growth immune function and carcass composition when fed 2-ketoisocaproate and evaluation of potential additive effects obtainable from management techniques that have shown reduction of embryo mortality during early and late gestation.
10. **RECENT PROFESSIONAL ACTIVITIES**
Panel speaker NDSU – NDSA Cow/Calf Conference
11. **PUBLICATIONS**
Listed on page 8
12. **COMMITTEE ASSIGNMENTS**
Listed on page 10
13. **OTHER PROFESSIONAL ACTIVITIES**
Member Dickinson State University Agricultural Dept. Advisory Board,
Member Dickinson High School Vocational Ag. Dept. Advisory Board.

1. **NAME AND RANK**
Douglas G. Landblom, Assistant Animal Scientist
2. **YEARS OF SERVICE**
13 years
3. **YEARS IN PRESENT RANK**
13 years
4. **INSTRUCTIONAL RESPONSIBILITY**
None
5. **GRADUATE STUDENT ADVISED**
None
6. **RESEARCH PROJECT LEADER OR CO-LEADER**
Project ND06221 and 6223
7. **INTERDISCIPLINARY PROJECTS**
Project ND01786, ND01922, ND03731 and ND06230
8. **PROJECTS IN PREPARATION**
A comparison of estrus synchronization methods among mature cows. (Abstract presented at the American Society of Animal Science Annual Meeting, Logan, Utah, and is being submitted to North Dakota Farm Research for publication.)
Brood Cow Efficiency Study Progress Report. (Being submitted to North Dakota Farm Research.)
A comparison of barley distillers dried grain, sunflower oil meal, and soybean oil meal as protein supplements in backgrounding rations. (Abstract presented at the American Society of Animal Science Midwest Section Meeting, Des Moines, Iowa, and is being submitted to North Dakota Farm Research.)
A comparison of calf weaning management methods. (Being prepared for submission to the J. of Animal Science.)
Luprostiol^R and Bovilene^R compared for abortion in feedlot heifers. (Being submitted to North Dakota Farm Research.)
9. **FUTURE RESEARCH**
Cattle: Baseline investigation to evaluate the introduction of twins through embryo transfer in dairy x beef cows of above average milking ability.
Implement modifications to the ovulation induction study to include natural breeding during the induced heat cycle as compared to delaying breeding until the second cycle.
Evaluate induced calving management effects on subsequent rebreeding success in beef herds sired both naturally and artificially.
Swine: Evaluate effect of water quality on pig performance.
Evaluate weanling and growing-finishing growth immune function and carcass composition when fed 2-ketosisocaproate and evaluation of potential additive effects obtainable from management techniques that have shown reduction of embryo mortality during early and late gestation.
10. **RECENT PROFESSIONAL ACTIVITIES**
Panel speaker NDSU-NDSA Cow/Calf Conference, ASAS Annual Meeting, Logan, Utah, DES Livestock Research Roundup
11. **PUBLICATIONS**
Listed on page 8

Douglas G. Landblom (Continued):

12. COMMITTEE ASSIGNMENTS

Branch Station Organization Committee

Chairman, trade show entries – Chamber of Commerce Ag Committee

13. OTHER PROFESSIONAL ACTIVITIES

American Society of Animal Science

North Dakota Stockman's Assoc.

Toastmasters International

Gideons International

14. ACADEMIC RECOGNITION RECEIVED

15. EXTENSION OR PROMOTIONAL ACTIVITIES

Listed on page 11 & 12

1. **NAME AND RANK**
Dave Claypool, Research Specialist I
2. **YEARS OF SERVICE**
4 years
3. **YEARS IN PRESENT RANK**
3 years
4. **INSTRUCTION RESPONSIBILITY**
None
5. **GRADUATE STUDENT ADVISED**
None
6. **RESEARCH PROJECT LEADER**
N/A
7. **INTERDISCIPLINARY PROJECTS**
8. **PROJECTS IN PREPARATION**
Volatilization losses of ammonia from broadcast urea.
Climatology of soil water, soil erosion and crop production and crop development studies in cooperation with NDSU Soil Science Dept. Conducted detailed soil survey of cropping systems plot area.
9. Relate soil characteristics of cropping systems area to variability in crop production from plot to plot.
10. **RECENT PROFESSIONAL ACTIVITIES**
Attended spring Branch Station Conference. Gave presentations on corn and sunflowers, winter wheat and rye, safflower, flax, buckwheat and grain sorghum. Completed 29 hours of study in a M.S. program.
11. **COMMITTEE ASSIGNMENTS**
Branch Station Professional Development and Training Committee.
13. **OTHER PROFESSIONAL ACTIVITIES**
American Society of Agronomy, Soil Science Society of America, Soil Conservation Society of America, Cousteau Society, The Nature Conservancy, Theodore Roosevelt Nature and History Association.
14. **ACADEMIC RECOGNITION RECEIVED**
15. **EXTENSION OR PROMOTIONAL ACTIVITIES**

PROJECTS

<u>NUMBER</u>	<u>TITLE</u>	<u>PRINCIPAL INVESTIGATOR</u>	
ND01601	Hard Red Spring Wheat Improvement	R. Frohberg	NDSU
ND01608	Barley Improvement	E.A. Foster	NDSU
ND01614	Durum Improvement	R.G. Cantrell	NDSU
ND01625	Hard Red Winter Wheat Improvement	D. Cox	NDSU
ND01630	Oat Improvement	M. McMullen	NDSU
ND03610	Sunflower, Minor & New Crops	A.A. Schneiter	NDSU
ND03613	Distribution of Foundation Seed	L.A. Spilde	NDSU
ND06240	Evaluation of Cereal Cultivars and Advanced Selections	T.J. Conlon	DES
ND06243	Crop Production and Soil Management Systems	T.J. Conlon	DES
ND06244	Specialty Crops	T.J. Conlon	DES
ND06245	Horticultural and Woody Plant Trials	T.J. Conlon	DES
ND06230	Grassland Management	T.J. Conlon	DES
ND01786	Pasture Management for Western ND	L.L. Manske	NDSU
ND01922	Short Duration Grazing in the Mixed Grass Prairie of ND	D.R. Kirby	NDSU
ND03731	Use of Plant Growth Regulators on Grass Pastures	L.L. Manske	NDSU
ND06221	Livestock Feeding	J.L. Nelson	DES
ND06223	Livestock Disease	J.L. Nelson	DES

PUBLICATIONS

CONLON, T.J., and J. JAKICIC. 1987. "Hard Red Spring Wheat, Durum, Oats, and Barley Variety Trials". Fourth Annual Western Dakota Crop Day Research Report. Dickinson – Hettinger Agricultural Experiment Stations. pp 1-25.

CONLON, T.J., and J. JAKICIC. 1987. "Specialty Crop Yields". Fourth Annual Western Dakota Crop Day Research Report. Dickinson – Hettinger Agricultural Experiment Station. pp. 27-37.

NELSON, J.L., D.G. LANDBLOM and LADON JOHNSON. 1987. "Barley and Sunflower Rations for Backgrounding Steers". Thirty-seventh Livestock Research Roundup. Sec. 1, pp 1-4.

LANDBLOM, D.G., J.L. NELSON, LADON JOHNSON, and W.D. SLANGER. 1987. "A Comparison of Barley Distillers Dried Grain, Sunflower Meal and Soybean Oil Meal as Protein Supplements in Backgrounding Rations". Thirty-seventh Livestock Research Roundup. Sec. 1, pp 5-10.

NELSON, J.L., D.G. LANDBLOM, D.A. REDMER and T.J. NEWBY. 1987. "Luprostiol for the Induction of Abortion in Feedlot Heifers". Thirty-seventh Livestock Research Roundup. Sec. 1, pp. 11-16.

LANDBLOM, D.G., J.L. NELSON and D. REDMER. 1987. "Ovulation Induction Methods Compared Among Non-Cycling Beef Cows". Thirty-seventh Livestock Research Roundup. Sec. 1, pp 17-22.

LANDBLOM, D.G., J.L. NELSON and L. MANSKE. 1987. "Brood Cow Efficiency Study". Thirty-seventh Livestock Research Roundup. Sec. 1, pp 24-31.

MANSKE, L.L., T.J. CONLON, and J.L. NELSON. 1987. "Complimentary Rotation Grazing System for Western North Dakota". Thirty-seventh Livestock Research Roundup. Sec. 2, pp 1-4.

KIRBY, D.R., and T.J. CONLON. 1987. "Short Duration Grazing Trial". Thirty-seventh Livestock Research Roundup. Sec. 2, pp 5-8.

MANSKE, L.L. 1987. "Use of Plant Growth Regulators on Grass Pastures". Thirty-seventh Livestock Research Roundup. Sec. 2, pp 9-12.

NELSON, J.L., D.G. LANDBLOM and LADON JOHNSON. 1987. "Barley and Sunflower Rations for Backgrounding Steers". North Dakota Cow/Calf Conference. pp 7-12.

LANDBLOM, D.G., J.L. NELSON, LADON JOHNSON and W.D. SLANGER. 1987. "A Comparison of Barley Distillers Dried Grain, Sunflower Meal and Soybean Oil Meal as Protein Supplements in Backgrounding Rations". North Dakota Cow/Calf Conference. pp. 22-26.

LANDBLOM, D.G., and J.L. NELSON. 1987. "A Comparison of Estrous Synchronization Methods in Mature Beef Cows". Journal of Animal Science, Vol. 65, Supp. 1, p. 440 (abstr.)

MEETINGS AND EVENTS – 1987

Thomas J. Conlon

Participated	In 39 th Annual Taylor Institute.
Attended	Hettinger Experiment Station Sheep Day and assisted in printing proceedings.
Presented	Program for Golden Valley County Crop Improvement Association annual meeting.
Hosted	Logan-McIntosh County Farmer Rancher tour of the ranch.
Attended	Branch Station Conference – Spring 1987.
Attended	North Dakota Pork Producers State Board Meetings 3-16, 6-6 & 8-3-87.
Attended	Dickinson Chamber of Commerce Ag Committee meetings.
Hosted	Tour of Dickinson Station by visiting Mexican Rotarians.
Hosted	District land judging contest 4-H & FFA.
Hosted	Range Symposium at the ranch, presented by Dr. L. Manske.
Hosted	Tour of Dickinson Station ranch for South Dakota ranchers.
Attended	Central Grasslands Research Station Summer tour.
Hosted	Annual Range Judging – for State Society for Range Management.
Hosted	Station Crops Field Day
Hosted	Off station twi-lite tours at Beach, Beulah, Hannover and Glen Ullin.
Hosted	Annual meeting of the North Dakota Barley Council.

Meetings and Events – 1987

J.L. Nelson

- Participated - In a tour of the Dickinson Experiment Station Ranch HQ by a visiting group of Mexican businessmen.
- Assisted - As a tour group leader at the Dickinson Experiment Station Crops Field Day.
- Attended - Blastivet Vaccination Gun demonstration at the Dickinson Experiment Station Ranch HQ presented by Drs. John P. Pollreisz, DVM, and Jim Furman, DVM.
- Met - And toured the Dickinson Experiment Station Ranch HQ with Dr. LaDon Johnson, Dr. Steve Boyles, Dr. Dwight Akar and Dr. Harlan Hughes, NDSU.
- Participated - In a tour of the Dickinson Station Ranch HQ by South Dakota County Agent, Vince Gunn and several ranchers from the Bison, SD area.
- Participated - In the Dickinson Experiment Station Livestock Research Roundup.
- Attended - NDSU-NDSA Cow/Calf Conference and presented paper, Bismarck, ND.
- Attended - Branch Experiment Station Conferences as scheduled.
- Attended - Regular meetings of the Dickinson-Hettinger Advisory Board.
- Presented - Talk at Medora Beef Day.
- Visited - Leon Monke ranch and purchased bred heifers.
- Participated - Dickinson Chamber of Commerce Ag show.
- Participated - Dickinson State University Advisory Board.
- Attended - Dickinson FFA banquet as member of Advisory Board.
Dickinson State Univ. Ag banquet as member of board.
- Met with - Dr. Lund and Russell Lorenz and toured DES Ranch HQ.
- Conducted - Tour of DES Ranch HQ for Chinese dignataries and Dr. William Goetz.
- Attended - Computer workshop and SW Pork Convention in Bismarck.

Meetings and Events – 1987

D.G. Landblom

- Accompanied - Dickinson Chamber of Commerce Ag. Committee members that spoke to the Budget & Finance Committee supporting funding levels for HB 1005.
- Attended - Central Grasslands Research Station's Grass-N-Beef Research Roundup.
- Participated - In a tour of the Dickinson Experiment Station Ranch HQ by a visiting group of Rotaran Mexican businessmen.
- Attended - Area bull sales and assisted in the purchase of replacement Charolais herd sires.
- Assisted - Dunn Co. Agent Laverne Linnell with Land Judging Contest held at the Dickinson Experiment Station Ranch HQ.
- Assisted - As a tour group leader at the Dickinson Experiment Station Crops Field Day.
- Attended - BlastVet Vaccination Gun demonstration at the Dickinson Experiment Station Ranch HQ presented by Drs. John P. Pollreisz, DVM, and Jim Furman, DVM.
- Attended - Extension Range Symposium presented by Dr. Lewellyn Manske at the Dickinson Experiment Station Ranch HQ.
- Attended - And presented paper at the American Society of Animal Science Annual Meeting, Utah State University, Logan, Utah.
- Met - And toured the Dickinson Experiment Station Ranch HQ. with NDSU animal scientists and economists, Dr. LaDon Johnson, Dr. Steve Boyles, Dr. Dwight Akar, and Dr. Harlan Hughes.
- Participated - In a tour of the Dickinson Experiment Station Ranch HQ. by South Dakota County Agent Vince Gunn and several ranchers from the Bison, South Dakota area.
- Participated - In the Dickinson Experiment Station Livestock Research Roundup.
- Attended - NDSU-NDSA Cow/Calf Conference and presented paper, Bismarck, North Dakota.
- Attended - North Dakota Pork Producers Annual Meeting, Jamestown, North Dakota.
- Attended - Monthly and special meetings of the Dickinson Area Chamber of Commerce Ag. Committee.
- Attended - Fort Keogh's Livestock and Range Research Field Day, Miles City, Montana.
- Attended - The Fort Keogh Research Symposium emphasizing "Efficient Use of Rangeland Resources", Miles Community College, Miles City, Montana.

D.G. Landblom – Meetings and Events (Continued):

Attended - Branch Experiment Station Conferences as scheduled.

Attended - Regular meetings of the Dickinson-Hettinger Advisory Board.