



North Dakota
Livestock Alliance

Livestock and Zoning in ND

Presented by:

Tamra Heins

Executive Director, ND Pork Council

Amber Wood

Executive Director, ND Livestock
Alliance



www.ndpork.org

North Dakota Pork Council

We are an organization that supports pig farmers, large and small, who are committed to growing the industry in **ND**.



www.ndpork.org

ND Livestock Alliance - Governing Board of Directors



Vision – ND Livestock Alliance
Strengthening communities, farm
and ranch families, businesses, and
natural resources through animal
agriculture.

**** No lobbying or policy activities**

What does modern animal ag look like?

ND has diverse livestock populations

- Swine
- Beef
- Dairy
- Poultry
- Lamb
- Other

What are the common questions about animal ag development?

- What's it going to smell like?
- Look like?
- How do you protect the environment?
- What do 'I' get out of it?
- What is a CAFO?



CAFO: Concentrated animal feeding operation

Why feed animals in confinement?

- Protect animals from adverse weather
- Constant access to high-quality feed and water
- Precision care for individual animals
- Highly technical business with skilled labor
- Capture and utilize manure efficiently

Fully-enclosed Buildings

- Biosecurity = key for pigs

Combination/Partially-enclosed

- Many options

Open Lots

- Slightly lower capital requirement
- Still allows for weather protection, feed, water and individual healthcare and youngstock care



Zero-discharge containment systems

Manure is not waste!!

- Nitrogen, Phosphorus, Potassium and micronutrients
- Improves water holding capacity by adding organic matter back to the soil = drought resilience
- Tangible bump in crop yields
- #2 is #1 for soil health

Odor mitigation methods

- Livestock are not odor free, but odor is minimized
- Manure spreading technology – 6in deep injection
- Deep pit manure storage
- Tree rows
- Inoculants

Manure Application

- Agronomist calculated for optimal plant use



Rules, Regulations and Oversight

ND Department of Environmental Quality, Water Quality Division

- Animal Feeding Operation Permitting
- Regular inspections
- Manure application reporting
- Complaint investigations
- Compliance with federal and state rules

County and Township Zoning

- Size, scope, nature

Industry programs

- Animal care and environmental standards, transportation, food safety, employee training, food safety and quality, etc.



Environmental
Quality



PQA PLUS
Our Responsibility. Our Promise.

Permitting Process Basics

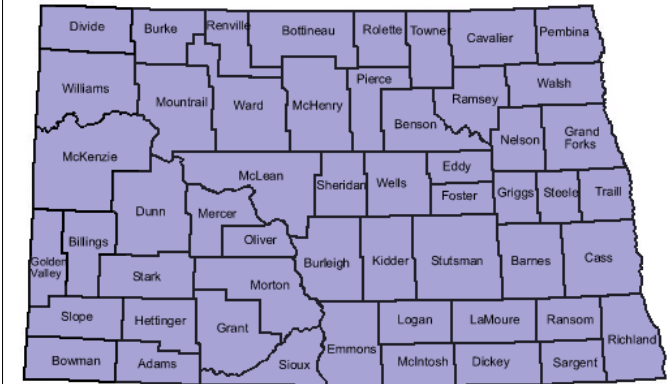
- Intensive and large undertaking for producers
 - Agricultural engineer
 - NDLA
 - NDDEQ
 - NDSU Extension
 - Agronomist
 - Integrator
 - Attorney
- Small, medium, large AFO/CAFO
- County Commission
- Township Board
- State = NDDEQ, Division of Water Quality
- Public hearings – possibly at Township, County and State levels



Permitting Process Basics

- County and Township
 - Authority limited by statute to Size, Scope and Nature
 - Conditional Use Permit (CUP)
 - HB1423
 - 60 days
 - Model Zoning Ordinance (currently in committee)
- NDLA Standard Operating Procedures
 - Initiate community outreach, beginning at neighbors
 - Local CUP first
 - NDDEQ state application, NMP, full engineered plan second
- Biggest challenge for permitting in ND
 - Local authorities unfamiliar with permitting procedures
 - Unfocused public meetings
 - Scope overreach – unintentional or intentional
 - Are rules posted on NDDEQ website?
 - Are rules compliant with State law?

ND Concentrated Animal Feeding Operation County and Township Zoning Regulations



Click on a county to view county and township specific information

[Model Zoning Ordinance \(pdf\)](#)

[Further information](#)



**APPLICATION TO OBTAIN A STATE PERMIT
ASSOCIATED WITH ANIMAL FEEDING OPERATIONS**
NORTH DAKOTA DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF WATER QUALITY
SFN 8296 (08-2021)

NORTH DAKOTA LIVESTOCK PROGRAM

DESIGN MANUAL

Examples:

County and Township
Livestock Zoning must
be posted on NDDEQ
website

North Dakota nd.gov Official Portal for North Dakota State Government

NORTH Dakota | Environmental Quality
Be Legendary.™



DEQ Home Air Quality Chemistry Municipal Facilities Waste Management Water Quality Office of Directo

DEQ Resources

- Electronic Reporting & Permit Systems
- Report a Spill

Barnes County

North Dakota nd.gov Official Portal for North Dakota State Government

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DEQ Home Air Quality Chemistry Municipal Facilities Waste Management Water Quality Office of Directo

DEQ Resources

- Electronic Reporting & Permit Systems
- Report a Spill
- Sustainability

Ransom County
Ransom Map
Ransom Ordinance

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DEQ Home Air Quality Chemistry Municipal Facilities Waste Management Water Quality Office of Directo

DEQ Resources

- Electronic Reporting & Permit Systems
- Report a Spill
- Sustainability

Dwight Township (1)
Dwight Township (2)
Mooreton Township
Viking Township
Walcott Township



ND Department of Agriculture

- Regional Livestock Development and Planning Grant Program
 - ‘To assist counties and regional planning councils in livestock development planning. Uses include site analysis, coordinating strategic planning and accommodating and encouraging investment in livestock production.’
- Agriculture Diversification and Development Fund (ADD)
 - ‘Established to support new or expanding value-added agriculture businesses’
 - \$500,000 Limit
 - Next application deadline January 1, 2024

Grants Awarded:

Grants awarded under this section are:

- Up to \$12,000 for every county
- Up to \$500 for every township

- Food production and processing facilities
- Feed or pet food processing facilities
- Commodity processing facilities
- Agriculture product manufacturer
- Animal production facilities



ND Department of Agriculture cont....

- ND Agriculture Infrastructure Grant
 - ‘Award grants to political subdivisions for road and bridge improvements’ and ‘for utility improvements necessary to accommodate value-added agriculture businesses’
 - July 1, 2023 to June 30, 2025

Application Instructions

For reference, grant applications will follow the below process:

1. NDDA receives grant application and reviews for eligibility and completeness.
2. The Agriculture Commissioner reviews application.
3. The Agriculture Commissioner makes determination to deny or approve the funding request.
4. NDDA coordinates with approved recipients to determine all requirements are met.

For more information, contact Madison Bodine with the North Dakota Department of Agriculture at (701) 955-0181.

How does ND benefit from livestock growth?

ND Crop producers

- Reduce farm input costs (fertilizer, freights)
- New grain market opportunities through feed
- Reduced corn and soybean basis
- Added value to crop residues or weather-damaged grain
- Reduced stress on rail and purchased fertilizer supplies
- Utilize marginal land

Revitalizing Rural ND Communities

- Rural businesses support
- Increased housing values
- Job creation both indirect and direct
- Keep rural schools open

By the numbers from ND swine operations:
2 - 4,800-head swine finishing barns
(annually)

- ❖ 1,600 tons soymeal (approx. 68,000bu)
- ❖ 220,000 bu corn
- ❖ 1,600 tons DDGS
- ❖ \$75k manure nutrient value in 2022

2,500-head Sow Barn

- ❖ 88,000bu corn
- ❖ 740 tons soybean meal
- ❖ 740 tons DDGS

How does ND benefit from livestock growth?

Environmental benefits

- Livestock are the ULTIMATE RECYCLERS
- Reduced soil erosion rates
- Efficient use of land while increasing production of food
- Innovations in carbon and GHG reduction

Agribusiness benefits

- Added value to co-products
 - DDGS, soybean meal, canola meal, wheat midds, etc.
- Creates value for rejected products
 - Rejected/damaged pasta, hulls, screenings, etc.

Benefits to all ND citizens

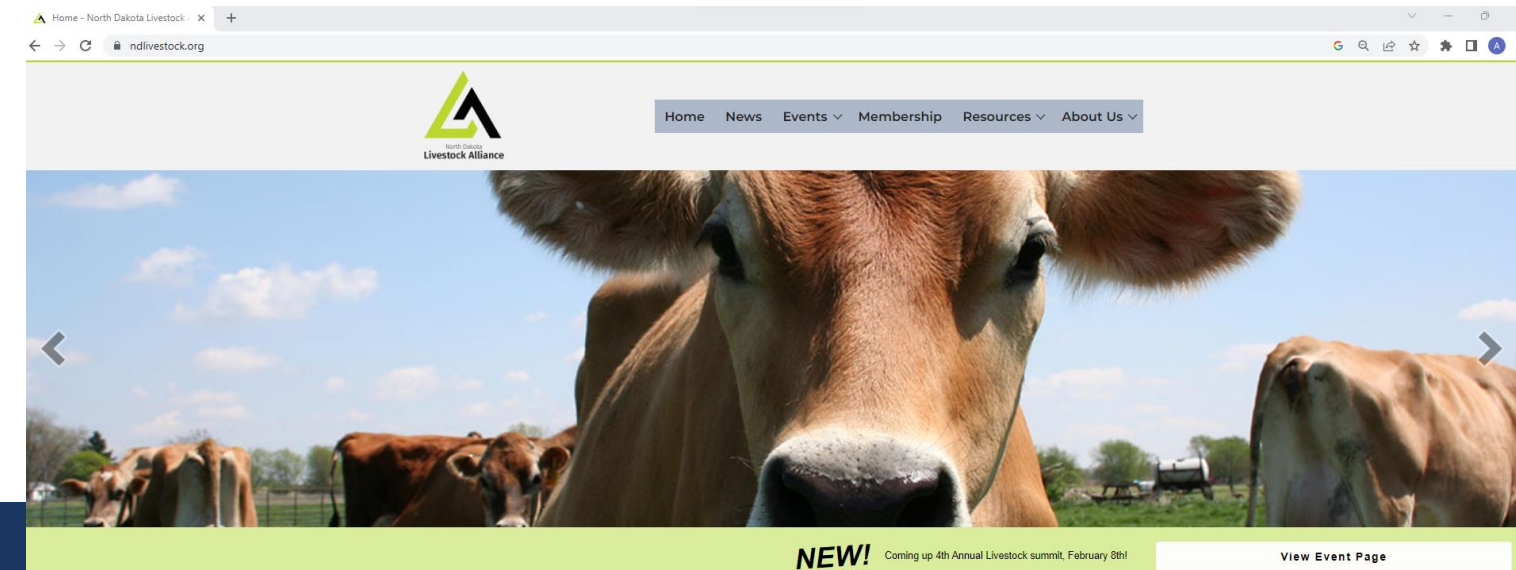
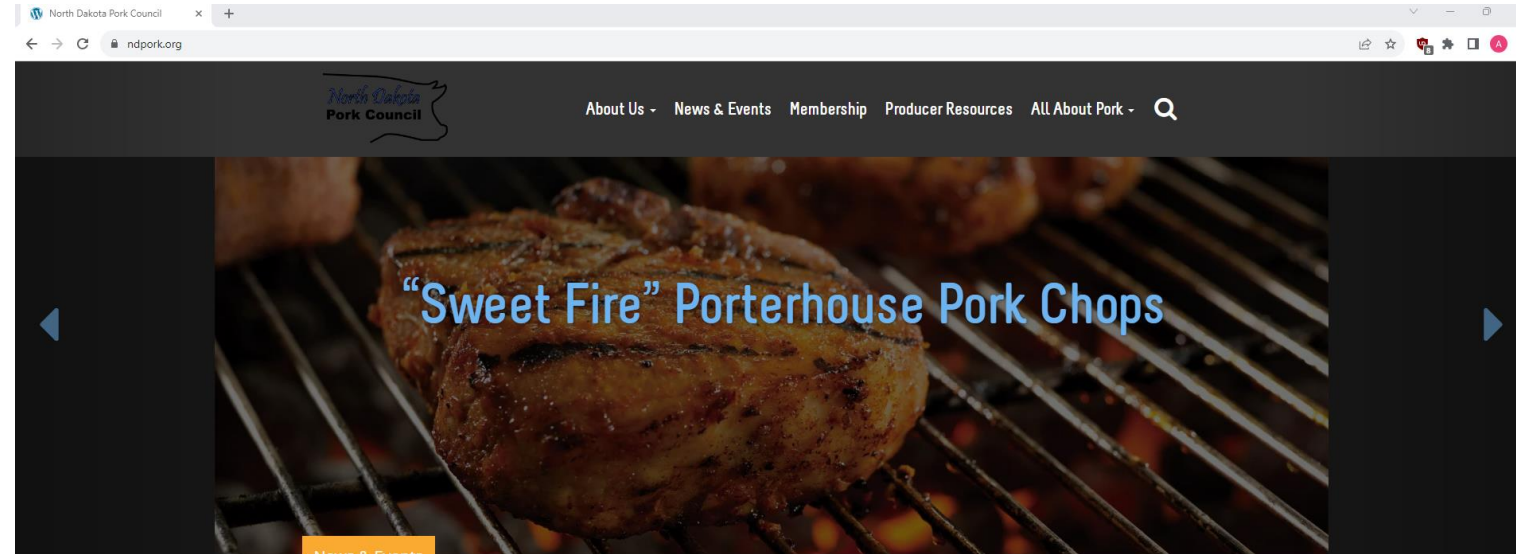
- ❖ Consuming and capturing the economic value of ND produced goods right here!
- ❖ Cultural enrichment
 - ❖ Locally produced foods
 - ❖ Community fellowship
- ❖ Job opportunities for ND graduates

How to be active with NDPC and NDLA



Join our email list by contacting us right away!

- Membership
- Quarterly Newsletter
- Events
- Trainings



Virtual Pig Farm Tour –360° and Interviews



Visit www.ndlivestock.org and click on 'Resources'

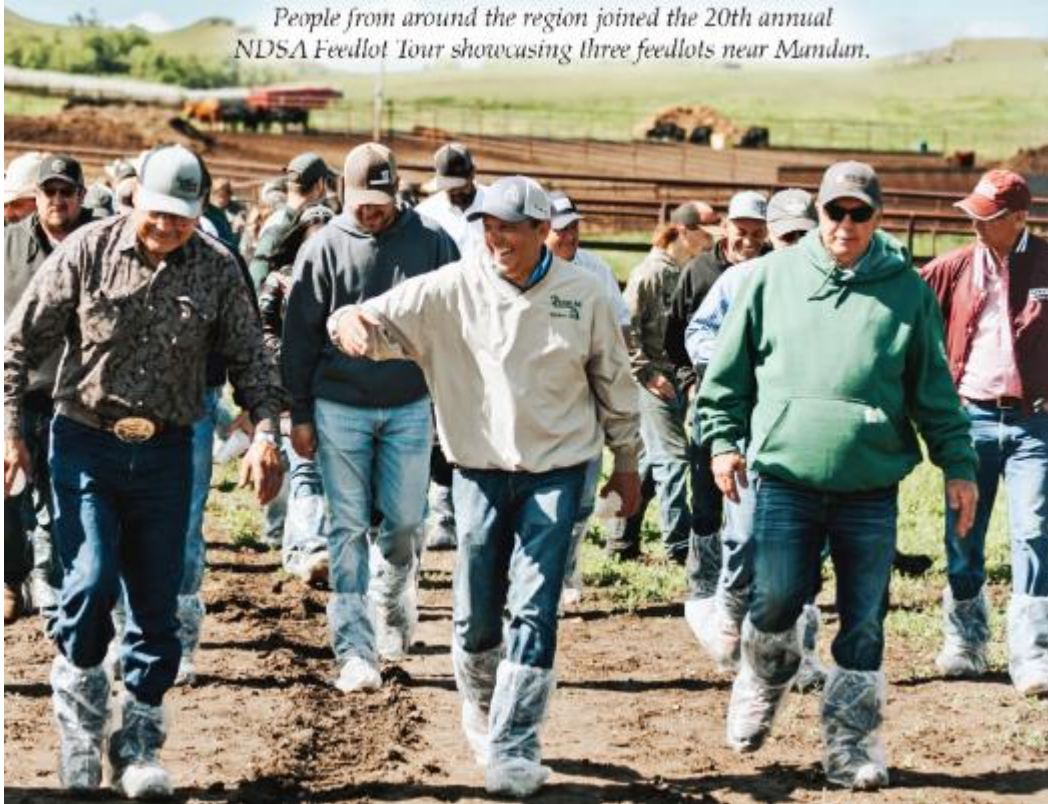
Dairy Farm Tour Opportunities



MN Virtual Tour
available on
midwestdairy
.com

Beef Feeding Tour Opportunities

People from around the region joined the 20th annual NDSA Feedlot Tour showcasing three feedlots near Mandan.



**Mark your calendars for
ND Stockmens
Association Annual
Feedlot Tour 2023**



NDLA Annual Summit and ND Pork Council Annual Meeting – January 30, 2024

Register Today!!



Save the Date

NDLA's 5th Annual Livestock Summit



Pictured: Panel discussion, NDLA 1st annual Summit, January 2019

January 30, 2024

10:00a.m. - 4:00p.m.

Hilton Garden Inn Fargo
4351 17th Ave South, Fargo, ND

FREE ADMISSION!

Calling all North Dakota agriculture producers, landowners, local leaders, and industry stakeholders!

Please join NDLA and our incredible array of member organizations and trade show vendors for a day filled with new knowledge, livestock development next steps and networking opportunities. The day will include a variety of breakout sessions, panel discussions, and an entertainment



Pictured: Panel discussion, NDLA 2nd annual Summit, January 2020

segment focused on celebrating animal agriculture's contributions to North Dakota's culture. County and Township board members and zoning staff are urged to attend to hear the many programs and services NDLA provides to ND communities.

For more information and to RSVP go to;

ndlivestock.org

or call 701-712-1488

Contact Us

Tamra Heins

Executive Director

ND Pork Council

(701)391-6431

director@ndpork.org

Amber Wood

Executive Director

NDLA

(701)712-1488

amber@ndlivestock.org

