

## Benefits of Partial Containment

- Less manure accumulation to spread
- Cattle stay in better condition
- Less hay to haul
- Feed costs decrease



Bale grazing

## Benefits of Full Containment

- Labor efficiency
- Manure handling efficiency
- Cattle handling efficiency
- Feed efficiency
- Environmental compliance
- Dryer pens for healthier cattle



Swath grazing



Indoor feedlot



Lot fencing

The North Dakota Livestock Pollution Prevention Program is funded through Section 319 of the Clean Water Act by the U.S. Environmental Protection Agency.



For more information, contact:

Jason Wirtz, Coordinator  
Livestock Pollution Prevention Program  
North Dakota Department of Agriculture  
600 E. Boulevard Ave. Dept 602  
Bismarck ND 58505-0020  
1-800-242-7535 or (701) 328-2216  
jwirtz@nd.gov  
www.agdepartment.com



# Livestock Pollution Prevention Program

*Helping North Dakota producers manage livestock waste*

North Dakota  
Department of Agriculture  
Doug Goehring, Commissioner



Winter feeding system with portable windbreak.

## Using cost share funds

The Livestock Pollution Prevention Program (LP3) offers two options for cost share assistance – full containment systems and partial containment systems. The full containment option is geared toward beef feedlots, and dairy, hog and larger cow/calf operations. The partial containment option addresses most cow/calf operations. Cost share can cover up to 60 percent of eligible expenses.

Producers who choose the full containment option are eligible for up to \$175,000 cost share for excavation, ponds, lots, diversions, heavy use pads, fencing, waters, access roads and windbreaks.

Producers choosing partial containment are eligible for up to \$25,000 cost share for clean water diversions and/or winter grazing systems which include portable windbreaks, such as that pictured above, and waterline/waterers. Winter grazing systems decrease manure accumulations near surface water. Many producers using these systems feed cattle on cropland and practice aftermath, swath or bale grazing.

## Here's how LP3 works:

1. The producer contacts the program coordinator and schedules an on-site visit.
2. The program coordinator evaluates the site and provides environmental management recommendations to the producer.
3. If management or structural changes are needed, the coordinator and producer discuss cost share options.
4. The coordinator helps the producer develop cost share contracts and secure contracting and engineering services.



Excavating a runoff containment pond

## Containment System Components



**Lots** are sloped to industry standards and provide ample space for the cattle.



**Fenceline feeding system** allows cattle to stay dry, healthy and provides increased gains, which can be cost shared through the LP3 Program.



**Access road** acts as a dike for the lots and is utilized for fenceline feeding.



**Clean water diversion** reduces runoff and may be the only management practice needed in small operations.



**Runoff evaporation pond** collects dirty water running off lots and is designed to evaporate a portion of the collected water.



**Solid separator** separates solids from run-off water and allows dirty water to run into the evaporation pond.