

1. Nutrient Management Images – Agricultural Science ...

Nutrient Management Images – Agricultural Science and Policy II

Tufts Friedman School of Nutrition Science and Policy

In the public domain.

2. Testing and Scouting for Nutrient Application

Testing and Scouting for Nutrient Application



Source: NRCS
Crop consultant taking a soil sample for testing.



Source: NRCS
Taking samples of corn stalks to test for N requirement.



Source: NRCS
A farmer scouts his field for any nutrient deficiency symptoms

In the public domain.

3. Nutrient Application

Nutrient Application



Source: NRCS

Using GPS system for nutrient application,
Northern Louisiana



Source: NRCS

N application on corn, Hardin County.



Source: NRCS

Application of lime to a field.

In the public domain.

4. Manure Production in CAFOs

Manure Production in CAFOs



Source: NRCS

Confined feeding operations of cattle. Yuma, Az.



Source: NRCS

Confined hog operations, Lafayette County,
Wisconsin



Source: NRCS

Missouri Dairy Cattle

In the public domain.

5. Manure Storage in CAFOs

Manure Storage in CAFOs



Source: NRCS

Lagoon management facility for a 900 hog capacity unit



Source: NRCS

Dairy Waste Treatment Lagoon, Eastern Louisiana



Source: NRCS

Manure storage, North Central Iowa



Source: NRCS

Filtering system-a series of hillside terraces that form constructed wetlands. In the public domain.

6. Environmental Risks from Manure

Environmental Risks from Manure



Source: NRCS

Water with excessive nutrients in northwest Iowa.



Source: NRCS

Runoff from livestock yard may enter a nearby stream



Source: NRCS

Using GPS for water quality studies in Lake Rathbun watershed, Wayne County, Iowa. In the public domain.

7. Application of Stored Manure

Application of Stored Manure



Source: NRCS

Marion County farmer loads manure from storage pit to a honey wagon



Source: NRCS

Liquid manure being pumped onto cropland with a honey wagon in northeast Iowa



Source: NRCS

Fertilizer application applied directly into irrigation lateral for flood application. Yuma, Az.



Source: NRCS

Liquid manure pumped onto a field in Iowa. In the public domain.

8. Some farm operations to minimize nutrient escape

Some farm operations to minimize nutrient escape



Source: NRCS

Field border of grass and legumes



Source: NRCS

Riparian buffer strips, Peoria County, Illinois



Source: NRCS

Water run-off control with the use of a gutter system at the Fenk Dairy, Tillamook, Oregon. In the public domain.

9. Processing Animal Manure

Processing Animal Manure



Source: ARS

Composting



Source: ARS

Windrow method of composting



Source: NRCS

Compost Tea Brewer



Source: NRCS

Methane recovery unit in Story County, Iowa
In the public domain.

10. Sources

Sources

- ARS - <http://www.barc.usda.gov/research/manure.html>
- NRCS - <http://photogallery.nrcs.usda.gov/>

In the public domain.