

## Fall-applied manure

### Overview

Fair weather along with an early harvest provide conditions conducive for growers to fall-apply manure to their fields. Before applying manure, review your nutrient management plan to determine the appropriate amounts of nutrients needed to improve success in selected fields.

### What you should know

- Fall manure applications can be a valuable time-saver next spring.
- Reviewing your nutrient management plan is important. Changes in crop rotation or unexpected circumstances could affect nutrient management uses and manure applications.
- Knowing the nutrient content of manure allows you to appropriately apply the manure and stay in compliance with your nutrient management plan.
- Ensure that manure is applied in an efficient and environmentally responsible manner.

### Action steps

1. **Sample the manure:** Thoroughly agitate and mix existing supplies of liquid manures before taking a sample for nutrient analysis. (See Table 1 for average nutrient content.)
2. **Calibrate application equipment:** Properly calibrated equipment allows accurate application rates of the manure resource. Fall-applied manure that is immediately incorporated (sweep injectors, s-tine field cultivator, etc.) allows for more nitrogen (N) to be available to corn next season than surface-applied methods.
3. **Apply manure properly:** Wait until soil temperatures are below 50° F to apply manure. Uniform application also is important to nutrient utilization. Always follow setback requirements for manure applications.
4. **Use a nitrogen inhibitor:** The key to effective N management is to keep applied N in the ammonium (NH<sub>4</sub><sup>+</sup>) form, which is easier for corn plants to use and is less susceptible to loss due to denitrification and leaching. Consider using a nitrogen stabilizer with your liquid manure applications, whether incorporated or surface-applied.

**Table 1. The average nutrient content of manure (per 1,000 gallons of liquid manure)**

Types of manure	Nitrogen (lbs.)	Phosphorus (lbs.)	Potassium (lbs.)
Hog	15	12	11
Farrow grow/finish	33	26	25
Dairy cattle	31	15	19
Beef cattle	20	16	24



### 30-Second Summary

- If conditions are right, a fall manure application can be a time-saver and useful nutrient addition to your fields.
- Analyze manure nutrient contents to ensure the application fits within your larger nutrient management plan.
- Apply manure properly and consider including a nitrogen stabilizer.

### NOTES:

For more information, contact:



[www.nutechseed.com](http://www.nutechseed.com)  
1-888-647-3478