



IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP

Bill Northey, Secretary of Agriculture

April 5, 2012

Iowa Department of Agriculture and Land Stewardship  
Anhydrous Ammonia Guidelines 2012

The Iowa Department of Agriculture & Land Stewardship has the following safety recommendations for the upcoming anhydrous ammonia season. These recommendations focus on nurse tanks and double nurse tanks utilized in field applications.

- All excess flow valves should be inspected to assure they are the proper size (flow rate) and that the valves are operating pursuant to design specifications. Note: Withdrawal valves and plumbing on anhydrous ammonia tanks should be the equal to or larger than the outlet connection on the liquid withdrawal valve.
- Double tanks must satisfy the requirements set out in paragraph 1. Special care should be taken to assure that the excess flow valves on each tank have equal flow rates and that the excess flow valves are sized to function as designed given the maximum output of the appurtenances.
- Double tanks plumbed together utilizing a "T" to combine the plumbing resulting in a violation of the criteria established in paragraph 1 should be removed from service until the requisite changes allowing the excess flow valves to function properly have been made.
- All anhydrous ammonia hoses connected to the tool bar should be appropriately sized, including using hoses of the proper length for the specific application equipment being used at any point in time. In addition, precautions should be taken to prevent any hose from dragging or becoming entangled with application equipment.

A handwritten signature in black ink that reads "Bill Northey". The signature is written in a cursive, flowing style.

Bill Northey  
Secretary of Agriculture  
Iowa Department of Agriculture and Land  
Stewardship