360 EQUI-FLOW™

BOOST ANHYDROUS AMMONIA ROW-TO-ROW ACCURACY

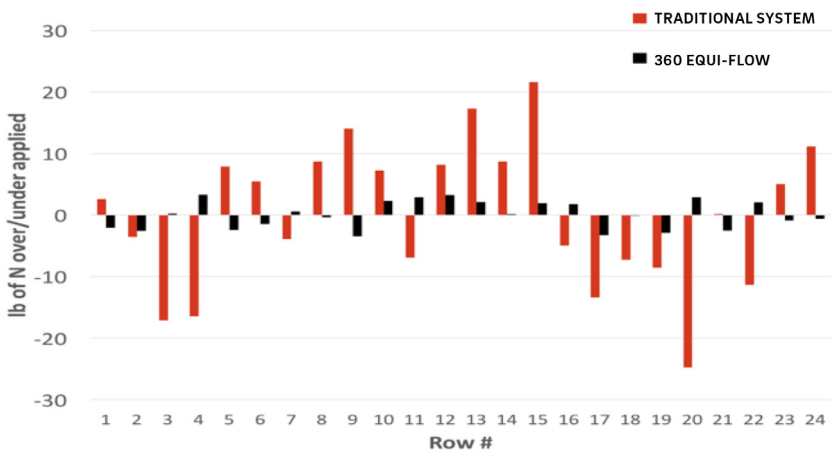
Anhydrous ammonia is an economical and practical way to establish a base application of nitrogen. Traditional cold flow anhydrous ammonia application systems rely on tank pressure for distribution and injection, which causes uneven distribution of NH3 from knife to knife. 360 EQUI-FLOW keeps ammonia in its liquid state all the way to the knife, increasing row-to-row accuracy. Other systems rely on tank pressure to push NH3 to the ground which makes these systems very dependent on air temperature – too low and there is no flow. But 360 EQUI-FLOW's pressurized system can operate efficiently and accurately at low temps.

HOW 360 EQUI-FLOW WORKS

+ Ammonia from the tank is delivered to the initial filter.
+ In the tower, the ammonia is separated into gas and liquid. The vapor is condensed back down into liquid and it all moves to the pump.
+ The hydraulically driven centrifugal pump pushes 100% liquid ammonia through the flow meter and control valve to the manifold.
+ The equal distribution manifold equalizes flow to each outlet.
+ Every row gets the same amount of ammonia in liquid state.

360 EQUI-FLOW BUCKET TEST

Tests with conventional systems and 360 EQUI-FLOW show the difference in row-to-row accuracy. At 120 pound application rate, the traditional system varied by over 20% and under 20% with a total error range of 45%. The 360 EQUI-FLOW application range was plus/minus 4%.



KEY FEATURES

Centrifugal pump condenses NH3 into liquid for even application, regardless of rate and temperature.

Row-to-row variation shows up at the worst time for corn production. 360 EQUI-FLOW produces precision application for row-to-row accuracy.

Improved sealing at injection point, minimizing losses.