

NEW WAYS

FOR YOUR CUSTOMERS TO EARN MORE FROM THEIR CROP

&

FOR YOU TO CAPTURE MORE REVENUE FROM YOUR CUSTOMERS

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BOOSTING EFFICIENCY

FOR YOU AND YOUR CUSTOMERS

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360 Yield Center is focused on efficiency. We work to help producers grow more by improving the efficiency and effectiveness of their input dollars. We accomplish this by creating systems that improve the timing and placement of fertilizers and crop protection products. We develop tools that improve availability and access to the nutrients locked in the soil and residue. And we work to produce products that cover more acres and reduce maintenance costs.

For input suppliers, 360 Yield Center helps expand service capabilities and revenue sources. Mid-season nitrogen applications extend the custom application season. Utilizing self-propelled sprayers for fungicide and pesticide applications reduces reliance on aerial applicators.

Growers are seeing the benefits of improved nutrient placement and split application. 360 Yield Center will continue to lead the way in developing tools that increase accuracy, extend the application window and boost nutrient efficiency.

LEADING THE TREND TOWARD SPLIT NITROGEN APPLICATION

Tried and true methods of nitrogen application are being challenged by progressive growers that want to reduce risk of loss and improve late-season N availability. The practice of split N application is growing. The 360 Base Plus approach is being adopted by growers as a way of supplying corn plants the early nitrogen they need and then adjusting their post-planting applications to account for environmental factors and crop protection. 360 Y-DROP provides the flexibility for application from V4 to VT – allowing growers to match the plant's mid to late season need. Plus, the 360 Y-DROP system's over-the-root placement system (rather than in the middle of the row) ensures that more applied nutrients get to the root system. You can help your customers be more profitable in an unpredictable environment by offering 360 Y-DROP among your services.

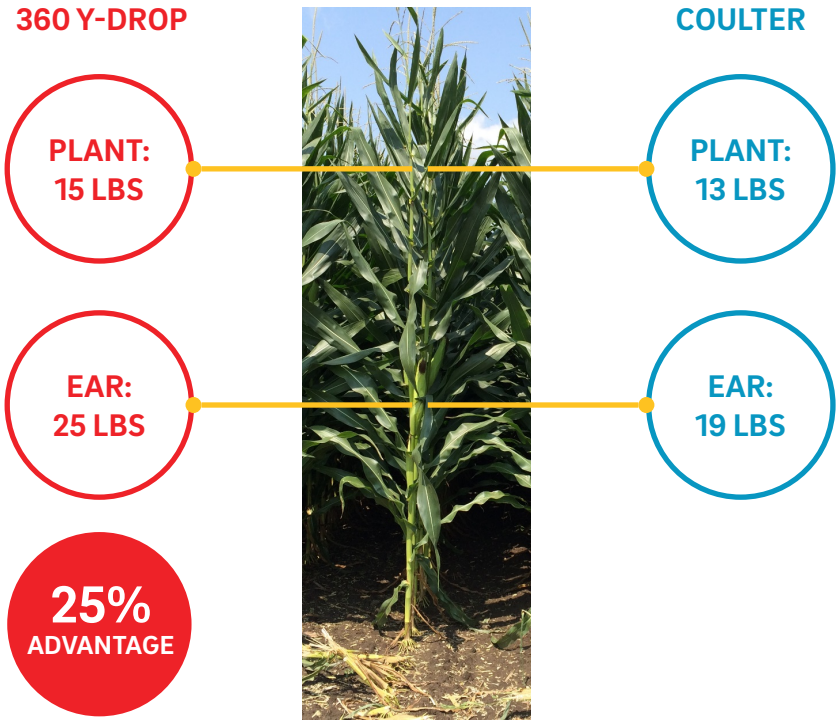


INCREASED SPRAYER VERSATILITY

360 Y-DROP is compatible with almost all self-propelled sprayers – Miller, John Deere, Hagie, Rogator, Patriot – you name it. This system allows you to provide your customers with an additional approach to nitrogen management, which leads to additional service income for you. It's easy to install and remove – leave the mounting brackets in place for traditional sprayer applications and add the 360 Y-DROP risers and bases during "Y-DROP season"

BETTER PLACEMENT. BETTER UPTAKE

University of Illinois data shows nitrogen uptake increases by 25% with the 360 Y-DROP system.



Percent Recovery of Fertilizer ^{15}N					
Treatment Method	**Total lbs**	**Grain**	**Stover**	**Total**	**Loss**
360 Y-DROP (every row)	100	25	15	40	
360 Y-DROP Single Hose (every other row)	100	22	13	36	-11%
Coulter (center row)	100	19	13	32	-25%

Credit: Kelsey Griesheim, Dr. Richard L Mulvaney, and Tim Smith at Crop Smith Inc.

KEY FEATURES



Four position adjustable arms allow for precision placement in 15-inch to 36-inch rows and variable rate nozzles are available for precise rate control.



Compatible mounting brackets for easy install and removal.



Curved hoses follow the corn rows and won't flop or "dance" which ensures nitrogen is delivered to the soil, not the stalk or leaves.

360 Y-DROP® Sidedress

A LOW MAINTENANCE UPGRADE FOR YOUR APPLICATOR BARS

As technology develops and new methods for nitrogen application are discovered, growers are looking for the most efficient and cost effective way to manage nitrogen on their operations. Provide them with what they want with 360 Y-DROP Sidedress.

LOWER MAINTENANCE COSTS

You are all too familiar with the maintenance costs of a coulter system – worn bearings and replacing coulters. With the 360 Y-DROP Sidedress system, there is virtually no annual maintenance. After a few seasons, all it takes is the simple replacement of drag hoses.





IMPROVE NITROGEN RESPONSE

Coulter application systems place nitrogen in the middle of the row – a far reach from the heart of the root system. This means the applied nitrogen won't make it to the roots for a week or two depending on heat and rainfall, and when it does, the amount of uptake will be lower. 360 Y-DROP Sidedress is a simple way to equip these bars with brand new technology. This technology places nitrogen 2-3 inches from the stalk base, allowing for faster uptake.

EXTENDED APPLICATION SEASON

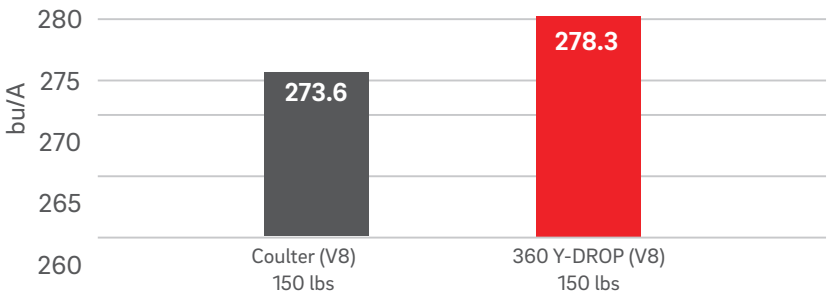
Coulter-equipped bars can limit the application season because of height restrictions. 360 Y-DROP Sidedress provides higher clearance and the ability to apply one or two collars later in crop development. That means your applicators can get to more customers. And because there are no ground engaging coulters with 360 Y-DROP Sidedress, customers can even get back into fields sooner after a rain.

ADD 360 UNDERCOVER FOR EVEN MORE FUNCTIONALITY

You can quickly convert the 360 Y-DROP system to a fungicide and pest fighting 360 UNDERCOVER system and get twice the value from your fleet of applicator bars. The system is ideal for work in soybeans and cotton.

2016 PLACEMENT STUDY - 4.7+ BUSHEL BOOST

Tremont, Illinois • Base rate of 25#N (Weed & Feed) + S and 60#N + S (planter) • Sulfur applied at 1#S per every 10#N



KEY FEATURES



Adjustable riser length allows for mid to late season nitrogen application as late as V7 – extending the application window one or two collars later than coulter.



Breakaway risers provide protection on uneven terrain and variable rate nozzles are available for precise rate control.



Simple retrofit for the current coulters on your lot, or add even more value and versatility to your sidedress application services by installing 360 UNDERCOVER on your sidedress bar and use it for insecticide and fungicide applications.

360 UNDERCOVER®

REDUCE RISK OF DAMAGE FROM INSECTS AND DISEASE

Diseases and pests are incredibly unpredictable from year to year. It's almost impossible to know what is going to pose a problem for the crop in a specific area. Fungicide and insecticide applications are not highly adapted to the crop, not due to the ineffectiveness of these plant health products, but because of inconsistent application methods and environmental conditions during the time of application. 360 UNDERCOVER is a more consistent and reliable tool for in-season application of insecticide and plant health products as well as for foliar application of plant nutrients. It has proven to be an effective method of fungicide and insecticide application as a solution in corn, seed corn, soybeans, cotton, sorghum and wheat in addition to other crops.



A COVERAGE PATTERN FOR EVERY PEST

360 UNDERCOVER delivers fungicide and insecticide to the plant in canopy through nozzles in combination with application from the wet boom above the canopy. This ensures the product is getting where it needs to go to prevent and eliminate disease and pests, no matter the source. You can't predict what the season is going to bring, but you can make sure your crop is covered from all angles to prevent whatever might come in harm's way.

CAPTURE MORE VALUE FROM YOUR SELF PROPELLED SPRAYER FLEET

360 UNDERCOVER allows you to replace outsourced aerial applications with your own custom application acres. After applicators are finished with post spraying and 360 Y-DROP applications, there are a lot of custom fungicide and insecticide acres available that traditionally get farmed out to more expensive (and less effective) aerial applicators.

AGROLIQUID® FOLIAR APPLICATIONS ON CORN AT VT

V5 Treatments	2015	2016	Average
No Foliar Application	194.7	161.4	178.1
2 gal ferti-Rain (BC)	201.2	165.3	183.3
2 gal ferti-Rain (UC)	212.9	167.5	190.2
2 gal fR+ Headline (BC)	210.5	171.9	191.2
2 gal fR+ Headline (UC)	218.7	171.1	194.9

** BC = Broadcast, UC = 360 UNDERCOVER*

Stephanie Zelinko | Field Agronomy Research Manager

360 UNDERCOVER 120

MORE ACRES PER DAY. MORE PROFIT IN YOUR POCKET

Introducing 360 UNDERCOVER 120 – new technology 360 Yield Center is bringing to market in 2017. We understand the importance of applying plant health and pest management products in a timely matter to cover more acreage so you can accommodate more business. That's why 360 UNDERCOVER 120 takes the in-canopy application technology of 360 UNDERCOVER and extends it out to the full width of the boom, allowing you to take full advantage of the capabilities of your sprayer.

Actuators within the system give you the ability to fold the outer and secondary booms without ever leaving the cab, allowing you to very easily transition your sprayer from using 360 UNDERCOVER 120 to your wet boom in a matter of minutes. Purchase your 360 UNDERCOVER 120 in combination with 360 Y-DROP, or choose the 360 UNDERCOVER 120 only option, which is controlled from the cab.

KEY FEATURES



Easy add-on to 360 Y-DROP system – slides up and down the riser for vertical in-canopy positioning depending on crop growth stage.



Up to four multi directional spray nozzles on each unit for customized spray patterns and 150-degree horizontal spray application.



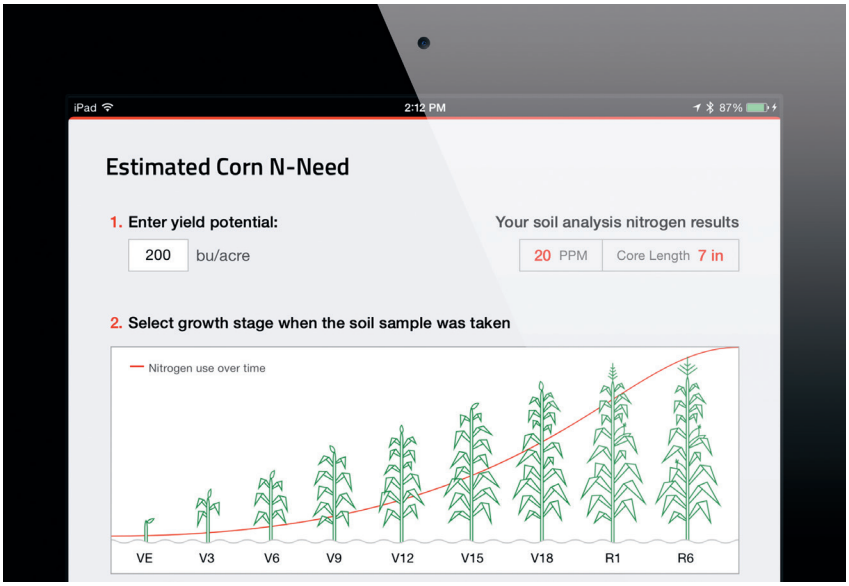
Special shell design protects nozzles and moves smoothly under crop canopy.

360 SOILSCAN™

MEASURE NITRATE LEVELS TO MAXIMIZE NITROGEN EFFICIENCY

You value the relationship you have with your customers. By offering soil testing using 360 SOILSCAN, you have the opportunity to work side by side with your customers to help them understand how much nitrogen is left in their fields throughout the season. 360 SOILSCAN is a portable soil test system that gives you the ability to test nitrate levels in field. Testing only takes about 5 minutes. After measurement is complete, use 360 SOILSCAN to help your customers build a customized nitrogen application plan that fits their crop's need by using the N calculator to combine their yield goal with the crop growth stage and soil organic matter levels.





BUILT FOR THE FIELD

Understanding nitrogen availability in real time takes a system designed for the challenges of the field. With 360 SOILSCAN, you get a soil testing system that's durable, portable and just as accurate as a commercial soil lab.

+ Durable: Rugged case protects it from the elements
+ Expandable: Four sensor slots to allow for future innovations
+ Portable: Easily transported and operated from the back of your truck or ATV
+ Functional: Uses your iPad® as the operating platform and upgrades without new hardware

TIMELY AND ACCURATE RESULTS

Real-time measurements mean nothing without accuracy. That's why 360 Yield Center participates in the Agricultural Laboratory Proficiency (ALP) Program – a national proficiency testing program that monitors soil analysis for consistency, accuracy and reliability. So far, 98% of 360 SOILSCAN machines have passed the certification, giving them the same accuracy as traditional labs.

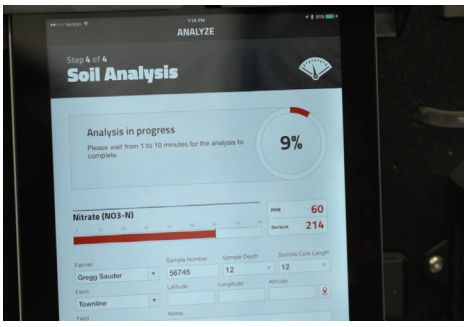
KEY FEATURES



Easy to transport and operate from the back of your truck or ATV.



Rugged carrying case holds all components and protects it from the elements.



Functions off of iPad operating platform and upgrades without installing new hardware.

360 EQUI-FLOW™

BOOST ANHYDROUS AMMONIA ROW-TO-ROW ACCURACY

Anhydrous ammonia is a practical way to establish a base application of nitrogen in the fall or spring. Cold-flow anhydrous ammonia application systems rely on tank pressure for distribution and injection, which causes uneven distribution of NH3 from knife to knife and a limited application window. 360 EQUI-FLOW keeps ammonia in its liquid state all the way down the knife, increasing row-to-row accuracy. Because the operation of the 360 EQUI-FLOW system doesn't rely on tank pressure, the application window extends further into the colder months.





ORIFICES ENSURE ACCURACY

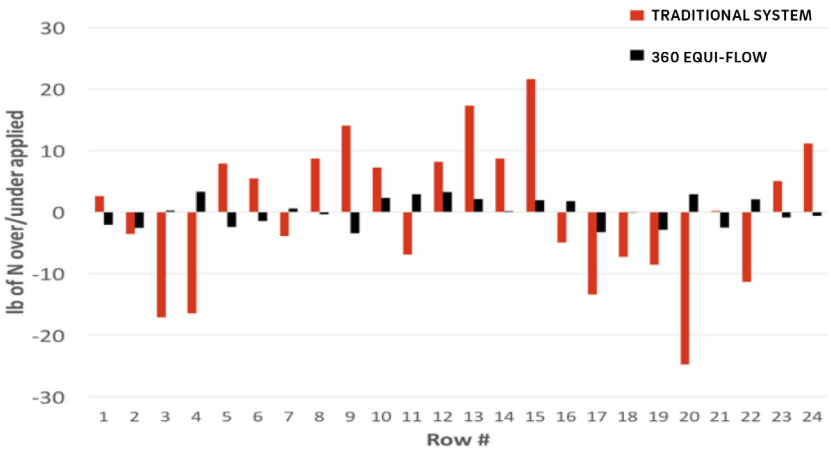
The 360 EQUIFLOW system changes the way anhydrous is delivered to the knife. First, tank pressure is only used to supply product to the applicator – not all the way to the knife. After filtering and vapor separation in the two towers, a hydraulic pump delivers pressurized anhydrous liquid to an orifice manifold. This manifold meters uniform and precise amounts of liquid anhydrous through the lines to the knife. By keeping the anhydrous pressurized it remains liquid – not vapor – and capable of being controlled through the orifice manifolds.

REDUCE THE RISK OF PLUGGED KNIFES

360 EQUI-FLOW's gauge tree allows operators to easily see the distribution to each row. This helps to ensure that distribution of the anhydrous ammonia is even across the rows and minimizes misapplication from disturbance in the delivery system or a plugged knife. Overall, increased accuracy from row to row reduces the chance of yield loss as well as the need for an additional application.

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.



Precision application for row-to-row accuracy and wider window of application.



Improved sealing at injection point, minimizing losses.



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