



# IMPROVED COVERAGE WITH 360 UNDERCOVER

**HIT THE TARGET:** 360 UNDERCOVER lets you take direct aim at the target by adjusting nozzle height, nozzle pattern and coverage pattern.

**LESS WASTE:** 360 UNDERCOVER allows you to direct foliar applications of fungicides/insecticides/ plant nutrients to the crop, not the row middles.

**BETTER COVERAGE:** 360 UNDERCOVER provides better coverage with less carrier volume(12-18 GPA).

**ADD VALUE TO YOUR SPRAYER ASSET:** Extend the season for your applicator. No need to hire custom aerial application services. 360 UNDERCOVER can be mounted to self-propelled sprayer or other applicators for flexibility of application.

**ADD 360 Y-DROP:** The mount package used for 360 UNDERCOVER can be used to carry the 360 Y-DROP system. This is a low-cost way to add even more value to your applicator investment.

**PROTECTION:** The breakaway mounting bracket reduces the risks from ground impact.



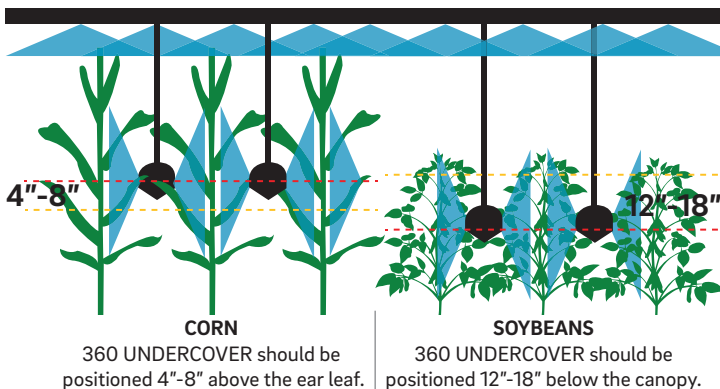


## PREPARATION PRIOR TO APPLICATION

- Set monitor in cab to reconfigure section control. The discharge distance from your receiver is likely further back than your standard nozzle distance.
- Recommend using tip screens (100 mesh) to filter any debris that may be carried in the solution. The use of multiple nozzles per row generally requires small orifices, couple this with likely spraying insecticides/fungicides means you want to avoid cleaning nozzles.
- In addition to applying via 360 UNDERCOVER, an additional nozzle can be used at the OEM boom to add coverage to top of canopy in tall/dense canopies
- For applications in soybean canopies: Utilize nozzles on the left and right hand outlets of the 360 UNDERCOVER manifold. Additionally use the position pointing straight back. This allows you to "paint" the crop as the sides pass and "fill in the gaps" with the nozzle facing rearward.
- For applications in corn: When applying in a "shaded" corn canopy, use the side nozzle positions and the "upward" position of the manifold. The sides "paint" as they pass by the row and the "upward" position covers the underside of leaves and projects coverage into the upper canopy.
- Nozzle selection can vary depending on application, however, 360 Yield Center generally recommends a wide angle flat pattern nozzle (Turbo Teejet/Guardian) in the side positions and a twin orifice (Turbo Twinjet/Guardian AirTwin) in the center position to maximize coverage. Use orifices with a wide pressure range to accommodate changes in speed and volume.



## KEYS TO COVERAGE



### 360 UNDERCOVER IN CORN

Ground applications of fungicides and insecticides in corn historically have required high volumes (20+ GPA) to penetrate the canopy and reach the ear leaf. 360 UNDERCOVER has the advantage of already being in the target area for disease development by running just above the ear leaf. Many diseases start low in the canopy. By applying from "within" the canopy, lower carrier volumes (12-18 GPA) can be utilized, decreases the number of fills and increases application efficiency. Carrier rates will be influenced by how many nozzle positions are being used including the OEM nozzle position. Size nozzles with a target of 40-50 psi at desired operating speed. Most nozzles have optimized patterns in this pressure range. Creating the correct pattern is a more important method of getting coverage than using ultra-high pressures.

### 360 UNDERCOVER IN SOYBEANS

- Utilizing the side and lower middle ports, position 360 UNDERCOVER just below the canopy in soybeans. The unit passing through will "open up" the canopy allowing application to the interior surfaces of the plant.
- The OEM boom nozzle position can be utilized in soybeans as well to get coverage to the top of the plant where new trifoliates may be developing.
- Positive results have been seen in all soybean row widths despite 360 UNDERCOVER typically being mounted on 30" centers. Coverage into the canopy where diseases start is a key to higher returns.
- Tests indicate that applying nutrients to both sides of the plant increases the rate of nutrient uptake.