



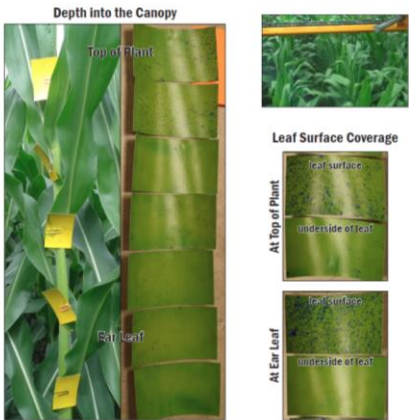
Water sensitive spray paper was placed within the corn canopy to evaluate (1) how far into the canopy sprayed product penetrated and (2) how much of the leaf's surfaces the applied product covered.

Spray paper was placed vertically on the stalk of the corn plant from the top to just below the ear leaf to determine penetration (see picture on the left). Additionally two pieces of the spray paper were placed on the center of the leaf, one on the top leaf surface and one on the underside to observe spray coverage (see pictures on the right).

Applications using 3 nozzle types were made: flat fan, Turbo TwinJet® and Undercover® with 3 Turbo TeeJet® nozzles. A total of 10 gal/A at 40 psi was applied.



**Flat Fan Nozzles**



**UnderCover®**



# Foliar Applications Provide Added Corn Bushels

2016 marks the second year of testing at the NCRS of 360 Yield Center's UnderCover in comparison to a broadcast application with Turbo TeeJet nozzles. The UnderCover has 3 nozzles pointed backwards at different angles and is placed within the crop canopy, providing increased crop coverage. The broadcast is applied over the top of the crop, with less penetration into the canopy.

## FOLIAR APPLICATIONS ON CORN AT VT BROADCAST (BC) VS. UNDERCOVER (UC)

Product	2015	2016	AVG
▶ 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

15-312 and 16-704

- Both application methods of ferti-Rain resulted in increased yield each year.
- The UnderCover applications produced a higher average yield increase than the broadcast (12.1 vs. 5.2 b/A).

