Manure Injection…Get paid to increase your N

Placing manure nutrients directly into the soil root zone will increase nutrient recovery leading to a reduction in commercial fertilizer costs, reduced crop damage and application costs.

Why inject dairy slurry?

- Doubles the plant available Nitrogen from slurry compared to broadcast application
  - 114 lbs available N injected vs. 50.4 lbs available N broadcast (6Kgal application rate)
  - **At early 2023 Nitrogen prices, that is close to $50/ac. fertilizer cost savings! (~$0.80/lb x 64lbs)**
- Increases availability of P, K, Ca, Mg, S, Zn by placing nutrients in the root zone
- Meets no-till criteria by maintaining soil structure
- Injected manure and starter at planting minimizes crop damage
- Reduction in odors
- Returns effective carbon to soil, enhancing soil health
- Better on-farm nutrient balance, reduce purchased inputs
- **Potentially eliminates the need for sidedress Nitrogen**

"The Numbers" of Manure Injection

$50/ac. Nitrogen savings potential
+$45/ac. Cost-share VACS
=$95/ac. Potential value to Producer

Fertilizer Values - 6,000 Gallons

	Broadcast lbs/6K gal	Injection Lbs/6K gal
Nitrogen	**50.4**	**114**
Phosphorus	66	66
Potassium	140	140
Calcium	100	100
Magnesium	37.5	37.5
Sulfur	22.2	22.2
Zinc	1	1

Cost Share Funding or State Tax Credit Available

- $45/acre cost share reimbursement
  - If cost share is not taken, a state tax credit of 25% of out-of-pocket expenses is available
- Updating your Nutrient Management Plan to reflect manure injection application is required
  - Interested participants are encouraged to contact their NMP planner ASAP regarding updates
- No-till planting methods are required on all fields receiving manure injection application
- Participant must provide an invoice that indicates acreage injected, application rates and type of equipment used
- **Requires sign up before injection occurs**

For more information or to sign-up contact your local Soil & Water Conservation District

VIRGINIA'S SWCD SOIL & WATER CONSERVATION DISTRICTS