

# 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 2024 Nitrogen prices, that is over to \$30/ac. fertilizer cost savings! (~\$0.50/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

### 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

**\$30/ac. Nitrogen savings potential**

**+\$45/ac. Cost-share VACS**

**=\$75/ac. Potential value to Producer**



## 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**
  - Fall Injection must be signed up by September 16, 2024
  - Spring Injection must be signed up by November 15, 2024



**For more information or to sign-up contact us at  
(540) 534-3105**

We work with the people who work the land.