Is this the only way to apply litter to no-till or pastures?

Subsurfer Manure Injection
Dr. Dan Pote
USDA–ARS Booneville, AR

USDA-ARS Subsurface Applicators

Developed by Dr. Tom Way
NSDL
Auburn, Alabama

Developed by Dr. Dan Pote
DBSRFC
Booneville, Arkansas

How it works:

- Pulverized litter (internal patented mechanism) is delivered to the injector.
- Opening discs open slot.
- Closing wheels seal the soil surface.
- Can be adjusted to meet a variety of rates.
- Greater accuracy and precision across a range of rates.

The archived presentation is available at:
http://www.extension.org/pages/Manure_Application_in_No-Till
Effect of Mechanized Subsurface Litter Application on Total Forage Yield

The archived presentation is available at:
http://www.extension.org/pages/Manure_Application_in_No-Till
Effect of Poultry Litter Application Method on No-Till Corn Yields

Phosphorus Loss in Runoff

Ammonia Loss

The archived presentation is available at: http://www.extension.org/pages/Manure_Application_in_No-Till
Adapt ARS's “Subsurfer” to the conditions of the Chesapeake Watershed
USDA-ARS, Penn State, Univ. Delaware, Univ. Maryland, Univ. Maryland Eastern Shore, Virginia Tech, Cornell, Baron & Bros. Int.
Funded by NFWF

Build 5 Subsurfers (PA, NY, VA, MD/DE)
1. Assess agronomic/environmental performance
2. Engineering revisions by BBI Inc.

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