

New Jersey ManureLink

Where to Find What Feeds Your Field

<https://njmanurelink.rutgers.edu>

2022 NRCS-NJ Conservation Innovation Grant
#NR222B29XXXXG002

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<https://www.nj.gov/agriculture>

NJ ManureLink - Background & Need

- New Jersey's has many small-acreage farms
- Small farm have limited capacity to use manure on-farm, especially horse farms. The equine industry is unique - typically no associated cropland & manure is considered waste.
- Addresses need for manure transport, moving nutrients from areas of excess to nutrient-deficient crop fields, composters, and urban farms.
- Connects farms with a cost-effective soil amendment and connect farmers to compost as growing media for our urban farms.
- At a statewide scale, address agricultural organic waste materials, as well as increased education and adoption of composting practices as noted in the NJDEP's Global Warming Response Act 80 x 50 Report (Oct. 2020)



New Jersey Department of
Agriculture
Division of Agricultural and
Natural Resources

NJ ManureLink - Partners

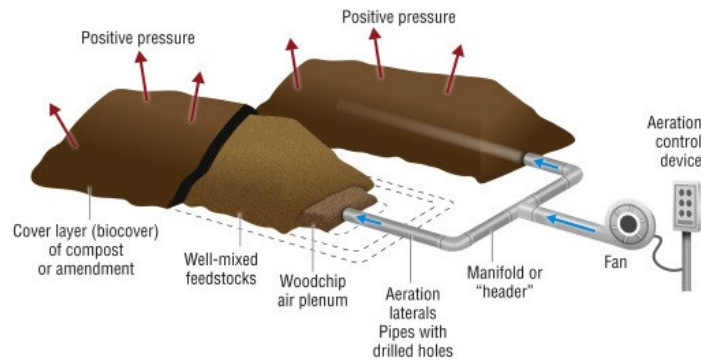


NJDA has partnered with
Rutgers University, Office of Research Analytics - website development
New Jersey Compost Council (NJCC) - education and outreach

NJ ManureLink Project Overview


2022 NRCS-NJ Conservation Innovation Grant #NR222B29XXXXG002

1. Develop website to connect producers with manure and compost
 - ❖ njmanurelink.rutgers.edu
2. Host educational events: 2024 & 2025 Webinars and Field Days
3. Adapt practices and educational materials for New Jersey farms;
4. Assist producers with implementing composting and nutrient management practices through development of technical assistance



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Natural Resources


<https://njmanurelink.rutgers.edu/>

[NJ ManureLink](#) [Available Manure](#) [Available Compost](#) [About Us](#) [Resources](#) [Contact Us](#) [Login](#) [Subscribe](#) [Register Now](#) [Recover Password](#)

Welcome to New Jersey ManureLink!

The New Jersey ManureLink website was designed to help connect those who have manure or compost with those looking to acquire manure or compost via an online tool. The connections made create the possibility of tapping into the natural source of organic fertilizer that is local and available from a New Jersey equine farm owner or a New Jersey farmer who is looking to find an outlet for their excess composted manure or homemade compost. Use the map and listings to help you find the opportunity you've been searching for!

- Looking for manure or compost?
- Do you have manure or compost and seeking to dispose of it sustainably?
- Search the listings, and/or create a listing to advertise your available resources.



[Find Some Manure!](#) [Find Some Compost!](#)

Just want notifications?

[Subscribe For Notifications!](#)

Are you a new user?

[Register Today!](#)

Existing User?

[Login to Create A Listing!](#)

Have you come back for more?

Please select an account type

☒ **Advertiser**
I made an account with a login.

☐ **Subscribed Only**
I only signed up for notifications.

Email

Password

[Sign In](#)

[Forgot your password?](#)

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Status update Oct. 2025

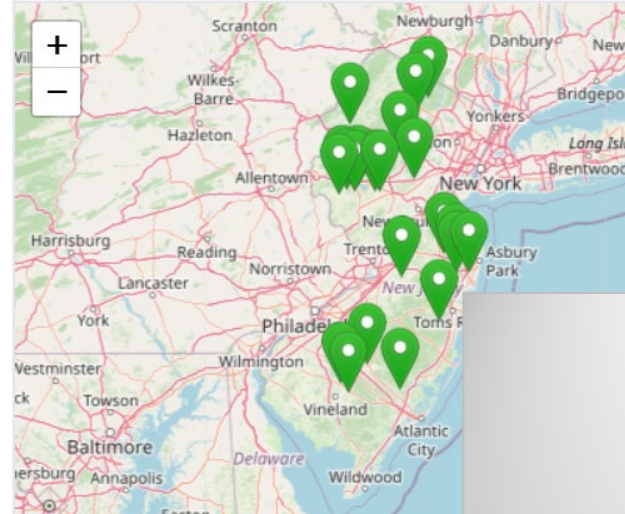
- Users: 189
- Listings: 25
 - 24 Manure
 - 2 Compost

...and growing every day

Available Manure



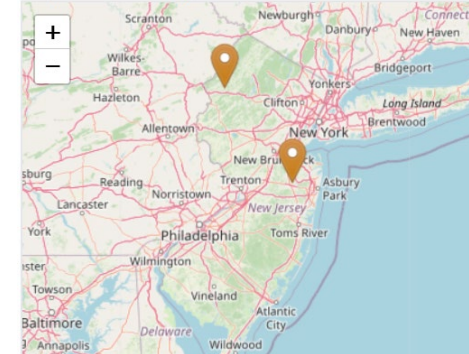
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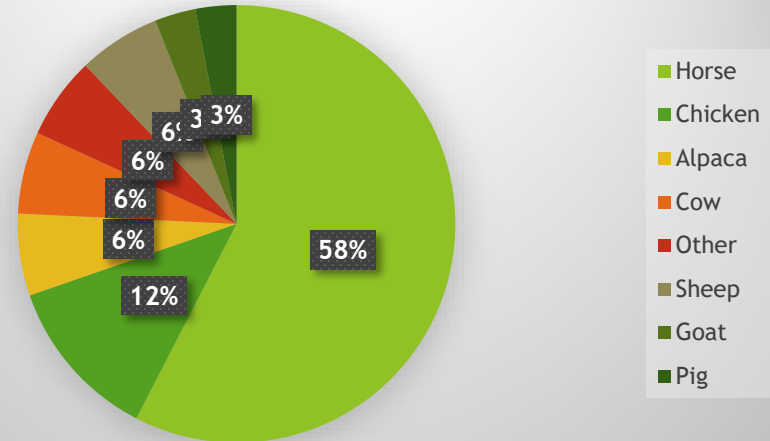
Available Compost



No filters are currently active...



Listings (multi-counted)



A success story!



Charlie West, owner and operator of West Farm Nursery, located in Branchburg, Somerset County, NJ shared he made a couple connections through using NJ ManureLink. West Farm Nursery specializes in the production of seed, and grafted cultivated varieties of PawPaw's, American Persimmon's, and Figs. Additionally, the nursery grows a variety of other plants, including Kentucky Coffee Tree, Comfrey, Osage Orange, and Hazelnuts.

Mr. West said *"I discovered NJ ManureLink through Joe Heckman (Rutgers Extension Specialist in Soil Fertility), and I think it's an excellent resource. The platform is incredibly user-friendly and easy to navigate. The mapping feature was especially helpful for identifying manure suppliers in my area. **I was able to connect with two local manure posting ads.** Unfortunately, I believe not enough people are aware of this valuable service, which has made securing a consistent manure source more challenging."*

Webinar and Field Day Partners



► Project Lead



► Education and Outreach



► Website Development



► Field Day Hosts

Whitetail Farm
290 Goat Hill Road
Lambertville NJ



► Technical Service Providers

Greenway Environmental Consultants, LLC

Michael Farbotnik




► Funding provided through NJ Conservation Innovation Grant

Webinars

- ▶ Overview of NJManureLink Website
- ▶ NJ Animal Waste Management Regulations
- ▶ Composting
 - ▶ 1. Compost Fundamentals
 - ▶ 2. Why Compost Manure?
 - ▶ 3. Methods and Process of Composting
 - ▶ 4. Technology
 - ▶ 5. Compost Utilization/Spreading
 - ▶ 6. Compost Economics, Markets, and Testing
- ▶ Nutrient Management
- ▶ Resources and Assistance Opportunities

• **Webinar 1 July 10, 2024:** 25 participants; recording available.

• **Webinar 2 May 13, 2025:** 22 participants.



Compost Fundamentals

Critical Parameter #1 - C:N Ratio

Optimal Finished Ratio ~30:1

Starting Ratios (Browns to Greens)

- By Volume ~3:1
- By Weight ~1:1
- Note: Dependent on C & N contents


Plenty of Online Calculators!!

<https://compostingtechnology.com/compost-calculator/>

Average Carbon-to-Nitrogen (C:N) Ratios for Organic Materials

GREENS/ NITROGEN	C:N RATIO	BROWNS/ CARBON	C:N RATIO
Pig manure	5-7:1	Leaves	30-80:1
Poultry manure (fresh)	10:1	Cornstalks	60:1
Alfalfa or sweet clover hay	12:1	Straw	40-100:1
Vegetable scraps	12-20:1	Bark	100-130:1
Poultry manure with litter	13-18:1	Paper	150-200:1
Coffee grounds	20:1	Sawdust	400:1
Grass clippings	12-25:1	Wood chips	800:1
Cow manure	20:1		
Horse manure	25:1		
Horse manure with litter	30-60:1		

SOURCE: Clemson Extension Master Gardener Program



Matt Wasserman - NJCC

Sara Mellor (NJ Dept. ...

John Zarola

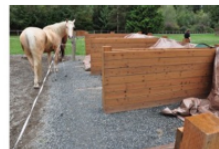
Steve Wiszolek - OQ Ga...

Georgio Cocchiarella

Michael Cardona

Joseph Heckman

Field Day 2024



NJ ManureLink 2024 Composting Field Day



Composting Webinar - RECORDED AND AVAILABLE ON [NJMANURELINK.RUTGERS.EDU](https://njmanurelink.rutgers.edu)
Webinar covering composting basics, manure handling and stockpiling, nutrient management, and introduction to local technical and financial resources.

Composting Field Day - Wednesday, August 14th, 5-8 p.m.
1106 NJ-12 Kingwood, New Jersey ~~RESCHEDULED DUE TO WEATHER~~
David DeFrange's Copper Creek Landscape Management and Nursery

Field day will focus on composting horse manure with pine shavings bedding and include demonstrations of composting techniques, hands-on demonstration stations, and discussion of how to incorporate compost into pasture, crop, and nursery operations.

New Jersey Department of Agriculture, New Jersey Composting Council, USDA Natural Resources Conservation Service, Rutgers Cooperative Extension, and other local resource providers will be assisting with demonstration stations and available to answer your questions.

Field Day Demonstration Stations include:

- ✦ Sighting a storage or stockpiling location
- ✦ C-N Ratio / recipe
- ✦ Moisture content
- ✦ Temperature & Oxygen
- ✦ Bulk Density and physical parameters
- ✦ Time / Curing/ When is it done?



Collaborating Organizations



United States
Department of
Agriculture

Natural Resources Conservation Service



Field Day 2025

Field Day Demonstrations include:

1. How to choose a storage or stockpiling location
2. Compost recipes and characteristics
3. Time / Curing/ When is it done and ready to spread
4. Nutrient Management and using compost in pastures
5. Manure Spreader Calibration Demonstration

•**Field Day 2024** 23 attendees.

•**Field Day 2025** 22 attendees

Total engaged across events:

92 participants.

NM CECs offered
for PA and MD





At the field day, meet your local resources...

Michael Farbotnik, Certified Professional Soil Scientist
Greenway Environmental Consultants

New Jersey Water Supply Authority

North Jersey Resource Conservation and Development

Northeast Organic Farming Association - NJ

Rutgers Soils Lab/Rutgers Cooperative Extension

TSP John Kluthe, KES Environmental Services

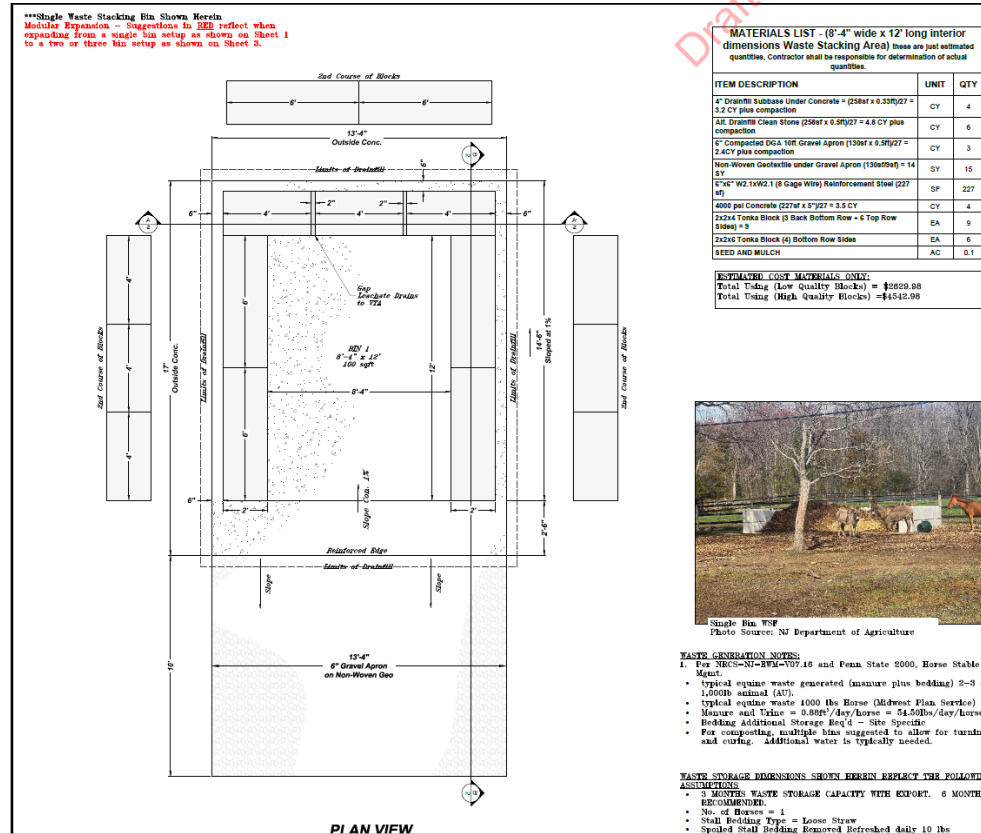
USDA Natural Resource Conservation Service

And of course...NJ Department of Agriculture and NJ
Composting Council



Adapting practices to NJ Farms

- ▶ Development of technical assistance guidance documents for manure and composting storage structures on NJ livestock farms
- ▶ Need for simple manure storage structures
- ▶ Small farms - smaller budgets
- ▶ DIY & simple



Recommended Setbacks for Manure/Composting Facilities (Per Rutgers Cooperative Extension Fact Sheet FS1192: Storing Manure on Small Horse and Livestock Farms)

Sensitive Area	Min. Setback (Feet)
PROPERTY LINE	50-100
DWELLING OR PLACE OF HUMAN OCCUPANCY	200-500
PRIVATE WELL OR POTABLE WATER SOURCE	100-200
WETLANDS	100-200
SURFACE WATER FEATURES (STREAMS, PONDS, LAKES)	100-200
SUBSURFACE DRAIN TILES	25
WATER TABLE	2-5
BEDROCK	2-5

***This General information is to help you understand your project better. Please check your local codes to verify that your project meets.

GENERAL NOTES

- The landowner is responsible for obtaining and complying with all applicable local, state and federal permits. The owner shall contact 1-800-757-7000 at least 3 days prior to the start of construction to obtain a permit for any utility lines.
- Water Storage Facility Siting Considerations:**
- Adhere to the recommended setbacks (For Batters) as follows:
 - 100' front setback
 - 100' side setback
 - 100' rear setback
 - Sited outside of any regulated 100-year floodplain, as determined by FEMA or the National Flooded Program (NFP) <http://www.fema.gov/nfp/>
 - Not sited on wetlands or flood-prone areas for approval by the Army Corps of Engineers
 - Vegetative treatment area.
- If needed, provide roof runoff provisions, including an impervious treatment and sedimentation pond, to keep the clean water clean and minimize erosion. The pond shall be sited outside of the 100-year floodplain.
- Provide grading shall direct surface water runoff from the facility or embankment slope shall be in a direction that is higher than the adjacent ground surface.
 - Tree deadening is all trees.
- II. Construction and Maintenance of the Conservation**
- Timbered-approved Forest Conservation Plan, A sold covenants shall be recorded with the County of Mendocino. If heavy timber is present, sap stockings and drained areas shall be established (check with the County).
- NPA shall provide periodic inspection during construction. Home notice shall be given to inspect the following:
- Tree removal and preservation
 - Invasive deviations
 - Plant species selection prior to installation
 - Pore installation
 - Plant specifications
 - Concrete reinforcement
 - Erosion control forms
 - Plant location after seeding and mulching
 - Mulch disturbed areas according to recommended techniques
- Toll Review (list of 3 independent-tree evaluators) shall be obtained at the time of the permit with approval from NPA. Post grading survey or map shall be as soon as possible.
- Mulch loose stone or hay matting to cover the disturbed areas as soon as possible.



Photo Source: NJ Department of Agriculture

WASTE GENERATION NOTES

- 1. For NRCS-NI-EWM-V07.16 and Penna. State 8000, Horse Stable Manure Mgmt.
 - typical equine waste generated (manure plus bedding) 2-3 cuft/day f 1,000lb animal (AU).
 - typical equine waste 1000 lbs Horse (Midwest Penn. Service)
 - Manure and Urine = 0.88ft³/day/horse = 54.50lbs/day/horse
 - Bedding Additional Storage Req'd - Site Specific
 - For composting, multiple bins suggested to allow for turning/aeration and curing. Additional water is typically needed.

WASTE STORAGE DIMENSIONS SHOWN HEREIN REFLECT THE FOLLOWING ASSUMPTIONS

- 3 MONTHS WASTE STORAGE CAPACITY W/TE EXPORT. 6 MONTHS IS RECOMMENDED.
- No. of Horses = 1
- Stall Bedding Type = Loose Straw
- Spoiled Stall Bedding Removed Refreshed daily 10 lbs

Project Outcomes and Benefits

What We've Accomplished Through the NJ ManureLink CIG:

- ✓ **Expanded knowledge and use of manure export, composting, and compost application**
Through on-farm demonstrations and community outreach, we've helped farmers put BMPs into practice.
- ✓ **Multiple sectors benefited:**
 - **Livestock and equine operations** found new outlets for excess manure
 - **Composters and crop producers** gained reliable sources of feedstock
 - **Urban and rural farms** connected through shared goals and materials
- ✓ **Built a strong statewide network**
We've fostered relationships across agricultural sectors — creating lasting partnerships and new opportunities.
- ✓ **Created a long-term resource**
This project now serves as a free, go-to hub for education, tools, and farmer-to-farmer support.



Opportunities through the Division of Agricultural and Natural Resources Programs

- ▶ **Animal Waste Management Plan Development and BMP Implementation Grants**
 - ▶ From NJDA to Soil Conservation Districts.
 - ▶ Producer opportunities throughout the State
 - ▶ cost-share funding for implementation of best management practices
 - ▶ Funding can be stand-alone or paired with USDA-NRCS or other sources
 - ▶ Sandra.howland@ag.nj.gov or 609-815-6159 (me ☺)

North NJ - Upper Delaware Soil Conservation District
Sandra Myers @ 908-852-2579; SMYERS@UPPERDELAWARESCD-NJ.COM

South NJ - Cape Atlantic Soil Conservation District
Riley Blankenship @ 609-625-3144; farminspections@capeatlantic.org



What can Cape Atlantic Offer?

● ● ●
The Cape Atlantic Conservation District has partnered with the NJ Department of Agriculture to be able to offer both technical and financial assistance to farmers. This assistance will help you maintain compliance with state law, improve environmental concerns and help with overall farm management.

Financial Assistance Available!

● ● ●
Funding is available to help farmers implement best management practices used to improve animal waste management. Best management practices will be tailored to each farm but may include practices such as exclusionary fencing, filter strips, pasture management, etc.

We will write or update your farm's animal waste management plan
AT NO COST TO YOU!

Who needs an Animal Waste Management Plan?

● ● ●
Animal Waste Management Plans are required by state law for any farms with more than 8 animal units (8,000lbs) of live animals. These plans lay out how manures will be handled to limit the environmental degradation they can cause.

CONTACT US!

✉ Farminspections@capeatlantic.org

📞 (609) 625-3144



New 2025 Grant

► Nutrient Management Assistance Grant

- Purchase of Manure Spreader
- Establishment of community use program (share, lend, rent)
- Requires and may fund Nutrient Budget or NMPs
- For individuals and entities

Nutrient

Management Grant

Financial assistance to purchase a manure spreader and start a community use program

Funding up to
\$25,000

Application will be available on website

April 21, 2025

www.nj.gov/agriculture/grants/

Applications DUE on or before
June 16, 2025

Submit application by email in pdf format to: ANR.grants@ag.nj.gov ;
Subject Line: Nutrient Management Assistance Grant - [Name of applicant]. Questions can also be send to this email.



www.nj.gov/agriculture/grants/



Open to New
Jersey
based
farms and
entities





New Jersey Department of
Agriculture
*Division of Agricultural and
Natural Resources*

Sandra Howland

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609-815-6159

