Field Records Due Date: January 31, 2025

If you need help, please get in touch with your coordinator:

Research Team at Pasa	researchteam@pasafarming.org	|	(814) 349-9856
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Devin Cornia at NOFA-NJ	devin@nofanj.org		
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Nancy LaRowe at NOFA-VT	nancy@nofavt.org		
Sara Riegler at NOFA/Mass	sara@nofamass.org		
Nagisa Manabe at RCLF	nmmanabe@gmail.com		

Helpful Tips
- Column names with a red asterisk (*) are required fields.

What's New?
We made the following major changes for this year's data worksheet. Please let us know what you liked or didn't like on the Feedback tab!
- When asking for planting and amendment data, we now ask for disturbance information to ensure we collect the disturbance associated with each of those other actions. We will still ask you to fill out a table toward the end of the survey with all the types of disturbance not reported yet.
- If a crop is not terminated by the end of the year, we ask that you leave the termination date blank instead of filling in an estimate.

Primary Contact Name	
Primary Contact Email or Phone	
Farm Name	
Did you use draft power in your research fields in 2024 (yes/no)?	
Which of these third-party verified certifications are held by the farm? Animal Welfare Approved, Certified Biodynamic, Certified Forest Grown, Certified Halal, Certified Humane, Certified Kosher, Certified Naturally Grown, Fair Trade, Food Alliance, Non-GMO Project Verified, Protected Harvest Certified Sustainable, Regenerative Organic Certified, Other	

Field Name	**Field Area (acres)**	**Field Type - choose from:** - Row Crop - Pastured Livestock - Hay/Forage	**Organic Status - choose from:** - USDA Certified Organic - Not Organic - Transitioning to Organic (not yet certified)

After filling out your records, please answer these questions. They are optional, but will help us continue to improve our data data collection methods.	
Approximately how long did it take you to input your farm records (please write out your time unit - minutes or hours)?	
Do you enter your farm records all at once or throughout the year? If all at once, how/where do you collect this data throughout the year?	
Do you have any other comments or feedback about this record collection process?	

Agroforestry Plantings If you have trees and/or woody plants growing in any of your research fields, please fill out one column for each field.

Field Name *									
Do you consider the tree/shrub planting in this field to be any of the following? * Silvopasture, agroforestry, hedgerow, windbreak/shelterbelt, or other (please describe)									
What is the purpose of the trees/shrubs in this field? Select as many as needed. * Fruit/nut production for sale, shade for livestock, food/forage for livestock, wildlife habitat improvement, soil improvement, or other (please describe)									
What is the category of the trees planted in this field (deciduous, coniferous or shrubs)? * Select the most common type if using more than one.									

Please provide the planting date(s), species and age(s) of the trees/shrubs in this field as well as you can. *	Planting Date	Tree/Shrub Species List	Tree/Shrub Age(s) at Time of Planting	Planting Date	Tree/Shrub Species List	Tree/Shrub Age(s) at Time of Planting	Planting Date	Tree/Shrub Species List	Tree/Shrub Age(s) at Time of Planting

Optional: If you know, please provide the density of planting in this field as the number of trees planted per acre.									
Optional: Did you do any of the following when planting the trees/shrubs in this field? Apply fertilizer, apply mulch, plant on contour, apply a mycorrhizal root dip, or install irrigation									
Optional: Did you do any of the following in 2024? Apply fertilizer, apply mulch, irrigate, or use tillage									

Planting and Termination

These records allow us to calculate the 1) days of living cover 2) days of cover crop and 3) tillage intensity rating for your research fields.

What is Termination? For this research study we have defined termination as an action that kills a crop's root/shoot system. Examples include:
- Mechanical - till, pull/remove, crimp, tarp
- Chemical - herbicide
- Environmental - freeze/winter kill
- Biological - pest

Perennial Crops or Pastures: If your research fields contain perennial crops, follow these guidelines:
- Planting Date: approximate date of perennial crop establishment
- Termination Date: leave it blank
- Planting Implement, Details, Depth and Speed: "N/A - not planted this year" or leave blank

Reseeding Pastures: If you reseed, interseed, overseed, or otherwise add plantings in a pasture, please input this in an additional row with the date of seeding.

Crop Yields, Seeding Rates and Prices: These columns are for Row Crop farms only, and are optional. They will contribute to an economic benchmarking project. If you do report these, we appreciate it and will share the results of this project.
For home blended seed mixes, please include all species in separate rows so we can capture the appropriate rates and prices. For commercial mixes, simply include the commercial brand name - you do not need to list the species.

Please include units in these columns:
Seeding Rate: examples lbs/acre, seeds/acre, bushels/acre
Seed Price: examples $/lb, $/50 lb, $/40K seeds
Yield: examples bushels/acre, lbs/acre, US tons/acre

Field Name *	Planting Date *	Crop(s) *	Cover Crop? * (Y/N)	Area Planted * (% of field or acres)	Planting Implement *	Disturbance Depth * None (0") Shallow (0.1 - 4") Med (4.1" - 8") Deep (> 8")	Speed * Slow (< 2mph) Med (2 - 5mph) Fast (> 5mph)	Over-wintered into 2025? * (Y/N)	Termination Date	Seeding Rate (row crop only, optional)	Seed Variety or Name (row crop only, optional)	Seed Price (row crop only, optional)	Yield (row crop only, optional)	Additional Notes
Field 1	5/17/24	corn	N	100 %	planter	Shallow	Medium	N	10/25/24	30 K sds/acre	KF 52C20	$185 / 80K	180 bu/acre	
Field 1	10/29/24	winter rye	Y	100 %	drill	Shallow	Medium	Y						
Enter your records below this row														

Planting and Termination continued

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Field 1	10/29/24	winter rye	Y	100 %	drill	Shallow	Medium	Y						
Enter your records below this row														

Soil Disturbance and Equipment Activity

These records allow us to calculate 1) tillage intensity rating and 2) days of cover for your research fields.

Area Covered: Report the total area covered by equipment activity. For example, if you rototill only the beds in a third of the field, report 33%. Do not attempt to estimate the actual area disturbed by the rototiller blades.

What should I report here?		What should I NOT report here?

Any soil disturbance and equipment activity that you have not reported in a previous section. That may include:
 	
 - tillage for bed prep or crop termination
 - mowing
 - cultivation / weed control
 - harvest
 - mulch removal
		- compaction-only events that do not leave anything in the field, e.g. a tractor or truck with no
		  implements attached
		- grazing events - these should have been logged on the Grazing and Pasturing page
		- disturbances already reported on previous pages for planting, amendments, soil coverings
		  and pesticides

Field Name *	Date *	Implement *	Disturbance Depth * None (0") Shallow (0.1 - 4") Medium (4.1" - 8") Deep (> 8")	Speed * Slow (< 2mph) Medium (2 - 5mph) Fast (> 5mph)	Area Covered *	Additional Notes
Example Field 1	4/3/24	moldboard plow	Medium	Medium	100 percent	8 inch deep
Enter your records below this row						

Soil Disturbance and Equipment Activity continued

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Purchased Fertilizers, Organic Matter Inputs and Pesticide/Herbicide Sprays

These records allow us to calculate 1) total organic matter inputs and 2) total agrochemical inputs for your research fields. They also allow us to analyze the impact of agrochemicals on soil health.

Fertilizer quantity: Please report quantity as the volume or weight of fertilizer prior to dilution.

	What should I report here?	What should I NOT report here?
Fertilizers	- Synthetic fertilizers such as ammonium nitrate, superphosphate, potassium sulfate - Organically derived fertilizers such as feather meal, bone meal, kelp - Amendments added through irrigation or as a foliar spray - Fertilizers applied directly to the soil	
Organic Matter Inputs	- Manure from a barn, storage tank, or another farm. - Bales fed to animals in the research field. - Compost - Organic materials used for mulch grown outside of the research field in which they are applied	- Manure deposited directly by grazing or pastured animals - Straw and other materials grown in the same research field in which they are applied
Pesticides/Herbicides (needed only for row crop farms)	All synthetic or organic products used as: - Herbicides (whether used for weed control or crop termination) - Insecticides, fungicides, nematicides, rodenticides - Any other type of pest or disease control	

Field Name *	Date *	Product Name and Brand *	Area Covered *	Quantity * (before dilution)	Implement *	Disturbance Depth * None (0") Shallow (0.1 - 4") Medium (4.1" - 8") Deep (> 8")	Speed * Slow (< 2mph) Medium (2 - 5mph) Fast (> 5mph)	Additional Notes
Example Field 1	6/23/23	5-5-3	100 percent	110 oz/acre	tractor fertilizer spreader	None	Medium	
Enter your records below this row								

Purchased Fertilizers, Organic Matter Inputs and Pesticide/Herbicide Sprays continued

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Grazing and Pasturing

These records allow us to calculate the 1) total organic matter inputs, 2) stocking density and 3) number of grazing events for your research fields.

Reporting Cow/Calf Pairs: Please report cow/calf pairs on two rows - one row for the cows and one row for the calves. For example, for 10 beef cow/calf pairs, you would report:
1. 10 beef cows with average weight 1000 lbs
2. 10 beef cows with average weight 200 lbs.

Area Pastured: Report the area grazed or pastured for each event.
For example, if cows are allowed to graze the entire area of a field over several days, record 100%. For animals in smaller enclosed units, like broilers in an enclosed chicken tractor, record all moves through a field as one pastured event. For example, if you estimate the tractor and broilers passed over a quarter of the field over the entire period, record the area covered as 25% and use the Number of Sub-Paddocks or Sections to report the number of moves.

Number of Sub-paddocks or Sections: Report the number of sub paddocks or sections set up within the field or paddock.
For example, if you divide a field into three sections that your cows moved through between the start date and end date, enter "3". If your cows had access to the entire field or paddock area during the entire time between the start date and end date, enter "0".

Field Name *	Start Date *	End Date *	Animal Type *	Animal Count *	Avg Weight (lbs) *	Area Pastured *	Number of Sub-paddocks or Sections	Additional Notes
Example Field 1	6/23/23	6/28/23	dairy cows	60	1200	100 percent	6	
Enter your records below this row								

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