



The Pennsylvania State University
111 Ag Analytical Svcs Lab
University Park, PA 16802

ESTIMATED MANURE APPLICATION RATES

SCENARIO # 3 Description: _____

Check the one crop and yield combination that best describes your situation

---Crop--	-----Yield-----									
Corn Grain	<input type="checkbox"/> 0-100	<input type="checkbox"/> 101-125	<input type="checkbox"/> 126-150	<input type="checkbox"/> 151-175	<input type="checkbox"/> 176-200					
Corn Silage	<input type="checkbox"/> 0-17	<input type="checkbox"/> 18-21	<input type="checkbox"/> 22-25	<input type="checkbox"/> 26-29	<input type="checkbox"/> 30-33					
Small Grains	<input type="checkbox"/> 0-30	<input type="checkbox"/> 31-40	<input type="checkbox"/> 41-50	<input type="checkbox"/> 51-60	<input type="checkbox"/> 61-80					
Grass Forage	<input type="checkbox"/> 0-2	<input type="checkbox"/> 2-3	<input type="checkbox"/> 3-4	<input type="checkbox"/> 4-5	<input type="checkbox"/> 5-6					

Enter the amount of fertilizer N, and P2O5 per acre that will be applied regardless of manure application

	N	P ₂ O ₅	
Fertilizer	<input type="text"/>	<input type="text"/>	lb/A

Check the previous legume crop and stand or yield combination that best describes your situation

--Previous Crop--	-----Stand/Yield-----					
Alfalfa	<input type="checkbox"/> <25%	<input type="checkbox"/> 25-50 %	<input type="checkbox"/> >50 %			
Clover/Trefoil	<input type="checkbox"/> <25%	<input type="checkbox"/> 25-50 %	<input type="checkbox"/> >50 %			
Soybeans	<input type="checkbox"/> 0-20 bu/A	<input type="checkbox"/> 21-40 bu/A	<input type="checkbox"/> >40 bu/A			

Check the manure rate category that is closest to your typical manure rate for this field

Typical Rate Examples for Each Category

	Dairy	Swine	Poultry
<input type="checkbox"/> 1 Low --->	15 ton/A or 6000 gal/A	5000 gal/A	3 ton/A
<input type="checkbox"/> 2 Medium -->	25 ton/A or 9000 gal/A	7500 gal/A	5 ton/A
<input type="checkbox"/> 3 High ---->	35 ton/A or 12000 gal/A	10000 gal/A	7 ton/A

Check the manure application frequency that is typical for the fields where this manure will be spread

<input type="checkbox"/> 1 Rare	None or rarely receives manure
<input type="checkbox"/> 2 Frequent	Receives manure 4 to 8 out of 10 years
<input type="checkbox"/> 3 Continuous	Receives manure greater than 8 out of 10

Check the planned spreading season (select only one)

Winter Spring Summer Fall

MANURE ANALYSIS PROGRAM

This program is appropriate for animal manure or other similar organic agricultural waste products. See enclosed sheet for sampling information and instructions

Name _____ Address _____ City _____ State _____ Zip _____ Telephone: _____ Fax: _____ Email: _____ Sample Identification: _____	Send additional copy of analysis to: Name _____ Address _____ City _____ State _____ Zip _____ Email: _____ <input type="checkbox"/> Email report only: Check this box and record your email address if you would prefer your report sent to you by email rather than by surface mail. Emailed reports are received by customers 2-3 days earlier than mailed reports.
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STANDARD ANALYSIS REQUESTED:	INDIVIDUAL OR ADDITIONAL ANALYSES REQUESTED:
<input type="checkbox"/> Manure Test 1: Percent solids, total nitrogen, phosphorus, potassium, ammonium nitrogen.....\$32.00 <input type="checkbox"/> Manure Test 2: Percent solids, total nitrogen, phosphorus, potassium, ammonium-nitrogen, calcium, magnesium, sulfur, sodium, copper, zinc, manganese, iron, aluminum \$46.00 Total Cost \$ _____ Please submit check with sample to cover cost of analyses. Make check payable to: <i>The Pennsylvania State University</i>	<input type="checkbox"/> pH \$7.00 <input type="checkbox"/> Percent Solids..... \$12.00 <input type="checkbox"/> Ash (volatile solids) \$12.00 <input type="checkbox"/> Nitrate Nitrogen (NO ₃ -N)\$15.00 <input type="checkbox"/> Ammonium Nitrogen\$10.00 <input type="checkbox"/> Total Nitrogen.....\$15.00 <input type="checkbox"/> Carbon.....\$15.00 <input type="checkbox"/> Calcium Carbonate Equivalence (CCE) \$25.00 <input type="checkbox"/> * Phosphorus Source Coefficient (PSC) \$27.00 <input type="checkbox"/> Email results (in addition to hard copy)\$1.00 *if submitted for Manure Test 1 or 2, PSC cost is \$15.00

Check Type of Material Below: <input type="checkbox"/> Fresh Manure <input type="checkbox"/> Composted Manure <input type="checkbox"/> Other _____ ----- Animal Type ----- <input type="checkbox"/> Dairy Cattle Swine: <input type="checkbox"/> Poultry (Layers) <input type="checkbox"/> Farrow to wean <input type="checkbox"/> Poultry (Broilers) <input type="checkbox"/> Farrow to feeder <input type="checkbox"/> Turkeys <input type="checkbox"/> Wean to finish <input type="checkbox"/> Beef Cattle <input type="checkbox"/> Grow-finish <input type="checkbox"/> Other _____ <input type="checkbox"/> Other _____ If phytase was used in feed, check here: <input type="checkbox"/> Phytase used	Check Storage/handling System Below: <input type="checkbox"/> Uncovered Earthen Storage-Bottom Loaded <input type="checkbox"/> Uncovered Earthen Storage-Top Loaded <input type="checkbox"/> Covered Storage-Bottom Loaded <input type="checkbox"/> Covered Storage-Top Loaded <input type="checkbox"/> Above Ground Storage-Bottom Loaded <input type="checkbox"/> Above Ground Storage-Top Loaded <input type="checkbox"/> Bedded Pack or Litter <input type="checkbox"/> Fresh-No Storage <input type="checkbox"/> Other
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ESTIMATED MANURE APPLICATION RATES

SCENARIO # 1 Description: _____

Check the one crop and yield combination that best describes your situation

---Crop--	-----Yield-----				
Corn Grain	<input type="checkbox"/> 0-100	<input type="checkbox"/> 101-125	<input type="checkbox"/> 126-150	<input type="checkbox"/> 151-175	<input type="checkbox"/> 176-200
Corn Silage	<input type="checkbox"/> 0-17	<input type="checkbox"/> 18-21	<input type="checkbox"/> 22-25	<input type="checkbox"/> 26-29	<input type="checkbox"/> 30-33
Small Grains	<input type="checkbox"/> 0-30	<input type="checkbox"/> 31-40	<input type="checkbox"/> 41-50	<input type="checkbox"/> 51-60	<input type="checkbox"/> 61-80
Grass Forage	<input type="checkbox"/> 0-2	<input type="checkbox"/> 2-3	<input type="checkbox"/> 3-4	<input type="checkbox"/> 4-5	<input type="checkbox"/> 5-6

Enter the amount of fertilizer N, and P2O5 per acre that will be applied regardless of manure application

	N	P ₂ O ₅	lb/A
Fertilizer	<input type="text"/>	<input type="text"/>	

Check the previous legume crop and stand or yield combination that best describes your situation

--Previous Crop--	-----Stand/Yield-----		
Alfalfa	<input type="checkbox"/> <25%	<input type="checkbox"/> 25-50 %	<input type="checkbox"/> >50 %
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Soybeans	<input type="checkbox"/> 0-20 bu/A	<input type="checkbox"/> 21-40 bu/A	<input type="checkbox"/> >40 bu/A

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Typical Rate Examples for Each Category

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Check the manure application frequency that is typical for the fields where this manure will be spread

<input type="checkbox"/> 1 Rare	None or rarely receives manure
<input type="checkbox"/> 2 Frequent	Receives manure 4 to 8 out of 10 years
<input type="checkbox"/> 3 Continuous	Receives manure greater than 8 out of 10

Check the planned spreading season (select only one)

<input type="checkbox"/> Winter	<input type="checkbox"/> Spring	<input type="checkbox"/> Summer	<input type="checkbox"/> Fall
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ESTIMATED MANURE APPLICATION RATES

SCENARIO # 2 Description: _____

Check the one crop and yield combination that best describes your situation

---Crop--	-----Yield-----				
Corn Grain	<input type="checkbox"/> 0-100	<input type="checkbox"/> 101-125	<input type="checkbox"/> 126-150	<input type="checkbox"/> 151-175	<input type="checkbox"/> 176-200
Corn Silage	<input type="checkbox"/> 0-17	<input type="checkbox"/> 18-21	<input type="checkbox"/> 22-25	<input type="checkbox"/> 26-29	<input type="checkbox"/> 30-33
Small Grains	<input type="checkbox"/> 0-30	<input type="checkbox"/> 31-40	<input type="checkbox"/> 41-50	<input type="checkbox"/> 51-60	<input type="checkbox"/> 61-80
Grass Forage	<input type="checkbox"/> 0-2	<input type="checkbox"/> 2-3	<input type="checkbox"/> 3-4	<input type="checkbox"/> 4-5	<input type="checkbox"/> 5-6

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Soybeans	<input type="checkbox"/> 0-20 bu/A	<input type="checkbox"/> 21-40 bu/A	<input type="checkbox"/> >40 bu/A

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