

## Sheep and Goats Nitrogen Based Manure Application Rates

Corn Grain	Yield Groups (bu/A)								Manure Application Rate Adjustment For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	100-130		131-160		161-190		191-220		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Manure Application Method									
Spring Incorporation within 1 day	10	0	10	25	15	0	15	30	12
Spring Incorporation within 1 week	15	0	15	20	20	0	25	0	8
Spring No Incorporation	25	0	30	0	35	0	40	15	5
Fall	25	0	30	0	35	0	40	15	5
Winter with cover crop	10	20	15	0	20	0	20	15	9
Winter No cover crop	20	20	20	50	20	80	20	110	5

Corn Grain after Alfalfa	Yield Groups (bu/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	100-130		131-160		161-190		191-220		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Manure Application Method									
Spring Incorporation within 1 day	5	0	5	15	10	0	10	0	12
Spring Incorporation within 1 week	5	0	10	0	10	0	15	0	8
Spring No Incorporation	10	0	15	0	20	0	25	0	5
Fall	10	0	15	0	20	0	25	0	5
Winter with cover crop	5	0	10	0	10	0	10	20	9
Winter No cover crop	10	0	15	0	20	0	20	20	5

Corn Grain after Soybeans	Yield Groups (bu/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	100-130		131-160		161-190		191-220		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Manure Application Method									
Spring Incorporation within 1 day	5	15	10	0	10	0	10	15	12
Spring Incorporation within 1 week	10	0	10	0	15	0	15	0	8
Spring No Incorporation	15	0	20	0	25	0	30	0	5
Fall	15	0	20	0	25	0	30	0	5
Winter with cover crop	10	0	10	0	10	20	15	0	9
Winter No cover crop	15	0	20	0	20	20	20	40	5

Corn Silage	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	17-21		22-25		26-29		30-33		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Manure Application Method									
Spring Incorporation within 1 day	10	15	15	0	15	20	20	0	12
Spring Incorporation within 1 week	15	0	20	0	25	0	25	20	8
Spring No Incorporation	30	0	35	0	40	0	40	35	5
Fall	30	0	35	0	40	0	40	35	5
Winter with cover crop	15	0	15	20	20	0	20	35	9
Winter No cover crop	20	40	20	70	20	100	20	130	5

Corn Silage after Alfalfa	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	17-21		22-25		26-29		30-33		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Manure Application Method									
Spring Incorporation within 1 day	5	15	10	0	10	0	10	15	12
Spring Incorporation within 1 week	10	0	10	0	15	0	15	0	8
Spring No Incorporation	15	0	20	0	25	0	30	0	5
Fall	15	0	20	0	25	0	30	0	5
Winter with cover crop	10	0	10	0	10	20	15	0	9
Winter No cover crop	15	0	20	0	20	20	20	40	5

Corn Silage after Soybeans	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	17-21		22-25		26-29		30-33		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
<b>Manure Application Method</b>									
Spring Incorporation within 1 day	10	0	10	0	10	15	15	0	12
Spring Incorporation within 1 week	10	0	15	0	15	0	20	0	8
Spring No Incorporation	20	0	25	0	30	0	35	0	5
Fall	20	0	25	0	30	0	35	0	5
Winter with cover crop	10	0	10	20	15	0	15	10	9
Winter No cover crop	20	0	20	20	20	40	20	60	5

Grass Hay	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	3-4		4.1-5		5.1-6		6.1-7		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
<b>Manure Application Method</b>									
Spring Incorporation within 1 day	15	0	20	0	25	0	30	0	12
Spring Incorporation within 1 week	20	20	30	0	35	0	40	0	8
Spring No Incorporation	40	0	40	45	40	95	40	145	5
Fall	40	0	40	45	40	95	40	145	5
Winter with cover crop	20	0	20	45	20	95	20	145	9
Winter No cover crop	20	90	20	140	20	190	20	240	5

Small Grains	Yield Groups (bu/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	60-75		76-90		91-105		106-130		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
<b>Manure Application Method</b>									
Spring Incorporation within 1 day	5	0	5	0	5	0	5	25	12
Spring Incorporation within 1 week	5	0	5	0	10	0	10	0	8
Spring No Incorporation	10	0	10	0	15	0	15	10	5
Fall	10	0	10	0	15	0	15	10	5
Winter with cover crop	5	0	5	0	5	20	10	0	9
Winter No cover crop	10	0	10	0	15	0	15	10	5

No more than 9000 gal/A of liquid manure can be applied in a single application.  
Spilt higher rates into multiple applications.

## Turkey Nitrogen Based Manure Application Rates

Corn Grain	Yield Groups (bu/A)								Manure Application Rate Adjustment For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	100-130		131-160		161-190		191-220		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Manure Application Method									
Spring Incorporation within 1 day	2	15	3	0	4	0	4	15	47
Spring Incorporation within 1 week	4	0	4	30	4	60	4	90	28
Spring No Incorporation	4	75	4	105	4	135	4	165	9
Fall	4	75	4	105	4	135	4	165	9
Winter with cover crop	3	15	3	45	3	75	3	105	31
Winter No cover crop	3	80	3	110	3	140	3	170	9

Corn Grain after Alfalfa	Yield Groups (bu/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	100-130		131-160		161-190		191-220		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Manure Application Method									
Spring Incorporation within 1 day	1	0	2	0	2	0	2	15	47
Spring Incorporation within 1 week	2	0	3	0	3	0	4	0	28
Spring No Incorporation	4	15	4	35	4	55	4	75	9
Fall	4	15	4	35	4	55	4	75	9
Winter with cover crop	2	0	2	0	3	0	3	15	31
Winter No cover crop	3	20	3	40	3	60	3	80	9

Corn Grain after Soybeans	Yield Groups (bu/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	100-130		131-160		161-190		191-220		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Manure Application Method									
Spring Incorporation within 1 day	2	0	2	0	2	15	3	0	47
Spring Incorporation within 1 week	3	0	3	0	4	0	4	20	28
Spring No Incorporation	4	35	4	55	4	75	4	95	9
Fall	4	35	4	55	4	75	4	95	9
Winter with cover crop	2	0	3	0	3	15	3	35	31
Winter No cover crop	3	40	3	60	3	80	3	100	9

Corn Silage	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	17-21		22-25		26-29		30-33		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Manure Application Method									
Spring Incorporation within 1 day	3	0	3	20	4	0	4	35	47
Spring Incorporation within 1 week	4	20	4	50	4	80	4	110	28
Spring No Incorporation	4	95	4	125	4	155	4	185	9
Fall	4	95	4	125	4	155	4	185	9
Winter with cover crop	3	35	3	65	3	95	3	125	31
Winter No cover crop	3	100	3	130	3	160	3	190	9

Corn Silage after Alfalfa	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	17-21		22-25		26-29		30-33		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Manure Application Method									
Spring Incorporation within 1 day	2	0	2	0	2	15	3	0	47
Spring Incorporation within 1 week	3	0	3	0	4	0	4	20	28
Spring No Incorporation	4	35	4	55	4	75	4	95	9
Fall	4	35	4	55	4	75	4	95	9
Winter with cover crop	2	0	3	0	3	15	3	35	31
Winter No cover crop	3	40	3	60	3	80	3	100	9

Corn Silage after Soybeans	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	17-21		22-25		26-29		30-33		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
<b>Manure Application Method</b>									
Spring Incorporation within 1 day	2	0	2	15	3	0	3	10	47
Spring Incorporation within 1 week	3	0	4	0	4	20	4	40	28
Spring No Incorporation	4	55	4	75	4	95	4	115	9
Fall	4	55	4	75	4	95	4	115	9
Winter with cover crop	3	0	3	15	3	35	3	55	31
Winter No cover crop	3	60	3	80	3	100	3	120	9

Grass Hay	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	3-4		4.1-5		5.1-6		6.1-7		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
<b>Manure Application Method</b>									
Spring Incorporation within 1 day	4	0	4	45	4	95	4	145	47
Spring Incorporation within 1 week	4	70	4	120	4	170	4	220	28
Spring No Incorporation	4	145	4	195	4	245	4	295	9
Fall	4	145	4	195	4	245	4	295	9
Winter with cover crop	3	85	3	135	3	185	3	235	31
Winter No cover crop	3	150	3	200	3	250	3	300	9

Small Grains	Yield Groups (bu/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	60-75		76-90		91-105		106-130		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
<b>Manure Application Method</b>									
Spring Incorporation within 1 day	1	0	1	0	1	20	2	0	47
Spring Incorporation within 1 week	1	0	2	0	2	0	3	0	28
Spring No Incorporation	4	0	4	15	4	30	4	45	9
Fall	4	0	4	15	4	30	4	45	9
Winter with cover crop	1	0	2	0	2	0	3	0	31
Winter No cover crop	3	0	3	20	3	35	3	50	9

No more than 9000 gal/A of liquid manure can be applied in a single application.  
Spilt higher rates into multiple applications.

## Veal Nitrogen Based Manure Application Rates

Corn Grain	Yield Groups (bu/A)								Manure Application Rate Adjustment For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	100-130		131-160		161-190		191-220		
	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	
Spring Incorporation within 1 day	9000	25	9000	55	9000	85	9000	115	10
Spring Incorporation within 1 week	9000	50	9000	80	9000	110	9000	140	7
Spring No Incorporation	9000	75	9000	105	9000	135	9000	165	4
Fall	9000	75	9000	105	9000	135	9000	165	4
Winter with cover crop	5000	70	5000	100	5000	130	5000	160	8
Winter No cover crop	5000	90	5000	120	5000	150	5000	180	4

Corn Grain after Alfalfa	Yield Groups (bu/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	100-130		131-160		161-190		191-220		
	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	
Spring Incorporation within 1 day	5000	0	7000	0	9000	0	9000	25	10
Spring Incorporation within 1 week	8000	0	9000	10	9000	30	9000	50	7
Spring No Incorporation	9000	15	9000	35	9000	55	9000	75	4
Fall	9000	15	9000	35	9000	55	9000	75	4
Winter with cover crop	5000	10	5000	30	5000	50	5000	70	8
Winter No cover crop	5000	30	5000	50	5000	70	5000	90	4

Corn Grain after Soybeans	Yield Groups (bu/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	100-130		131-160		161-190		191-220		
	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	
Spring Incorporation within 1 day	7000	0	9000	0	9000	25	9000	45	10
Spring Incorporation within 1 week	9000	10	9000	30	9000	50	9000	70	7
Spring No Incorporation	9000	35	9000	55	9000	75	9000	95	4
Fall	9000	35	9000	55	9000	75	9000	95	4
Winter with cover crop	5000	30	5000	50	5000	70	5000	90	8
Winter No cover crop	5000	50	5000	70	5000	90	5000	110	4

Corn Silage	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	17-21		22-25		26-29		30-33		
	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	
Spring Incorporation within 1 day	8000	55	9000	75	9000	105	9000	135	10
Spring Incorporation within 1 week	8000	75	9000	100	9000	130	9000	160	7
Spring No Incorporation	8000	100	9000	125	9000	155	9000	185	4
Fall	8000	100	9000	125	9000	155	9000	185	4
Winter with cover crop	5000	90	5000	120	5000	150	5000	180	8
Winter No cover crop	5000	110	5000	140	5000	170	5000	200	4

Corn Silage after Alfalfa	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	17-21		22-25		26-29		30-33		
	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	
Spring Incorporation within 1 day	7000	0	9000	0	9000	25	9000	45	10
Spring Incorporation within 1 week	9000	10	9000	30	9000	50	9000	70	7
Spring No Incorporation	9000	35	9000	55	9000	75	9000	95	4
Fall	9000	35	9000	55	9000	75	9000	95	4
Winter with cover crop	5000	30	5000	50	5000	70	5000	90	8
Winter No cover crop	5000	50	5000	70	5000	90	5000	110	4

Corn Silage after Soybeans	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	17-21		22-25		26-29		30-33		
	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	
<b>Manure Application Method</b>									
Spring Incorporation within 1 day	9000	0	9000	25	9000	45	9000	65	10
Spring Incorporation within 1 week	9000	30	9000	50	9000	70	9000	90	7
Spring No Incorporation	9000	55	9000	75	9000	95	9000	115	4
Fall	9000	55	9000	75	9000	95	9000	115	4
Winter with cover crop	5000	50	5000	70	5000	90	5000	110	8
Winter No cover crop	5000	70	5000	90	5000	110	5000	130	4

Grass Hay	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	3-4		4.1-5		5.1-6		6.1-7		
	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	
<b>Manure Application Method</b>									
Spring Incorporation within 1 day	9000	95	9000	145	9000	195	9000	245	10
Spring Incorporation within 1 week	9000	120	9000	170	9000	220	9000	270	7
Spring No Incorporation	9000	145	9000	195	9000	245	9000	295	4
Fall	9000	145	9000	195	9000	245	9000	295	4
Winter with cover crop	5000	140	5000	190	5000	240	5000	290	8
Winter No cover crop	5000	160	5000	210	5000	260	5000	310	4

Small Grains	Yield Groups (bu/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	60-75		76-90		91-105		106-130		
	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	
<b>Manure Application Method</b>									
Spring Incorporation within 1 day	4000	0	5000	0	7000	0	8000	0	10
Spring Incorporation within 1 week	5000	0	8000	0	9000	0	9000	20	7
Spring No Incorporation	9000	0	9000	15	9000	30	9000	45	4
Fall	9000	0	9000	15	9000	30	9000	45	4
Winter with cover crop	5000	0	5000	10	5000	25	5000	40	8
Winter No cover crop	5000	15	5000	30	5000	45	5000	60	4

No more than 9000 gal/A of liquid manure can be applied in a single application.  
Spilt higher rates into multiple applications.

## Sheep and Goats Phosphorus Based Manure Application Rates

Corn Grain	Yield Groups (bu/A)								Manure Application Rate Adjustment For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	100-130		131-160		161-190		191-220		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Spring Incorporation within 1 day	5	55	10	25	10	55	10	85	12
Spring Incorporation within 1 week	5	70	10	60	10	90	10	120	8
Spring No Incorporation	5	85	10	95	10	125	10	155	5
Fall	5	85	10	95	10	125	10	155	5
Winter with cover crop	5	65	10	50	10	80	10	110	9
Winter No cover crop	5	85	10	95	10	125	10	155	5

Corn Grain after Alfalfa	Yield Groups (bu/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	100-130		131-160		161-190		191-220		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Spring Incorporation within 1 day	5	0	5	15	10	0	10	0	12
Spring Incorporation within 1 week	5	0	10	0	10	0	10	30	8
Spring No Incorporation	5	25	10	25	10	45	10	65	5
Fall	5	25	10	25	10	45	10	65	5
Winter with cover crop	5	0	10	0	10	0	10	20	9
Winter No cover crop	5	25	10	25	10	45	10	65	5

Corn Grain after Soybeans	Yield Groups (bu/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	100-130		131-160		161-190		191-220		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Spring Incorporation within 1 day	5	15	10	0	10	0	10	15	12
Spring Incorporation within 1 week	5	30	10	0	10	30	10	50	8
Spring No Incorporation	5	45	10	45	10	65	10	85	5
Fall	5	45	10	45	10	65	10	85	5
Winter with cover crop	5	25	10	0	10	20	10	40	9
Winter No cover crop	5	45	10	45	10	65	10	85	5

Corn Silage	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	17-21		22-25		26-29		30-33		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Spring Incorporation within 1 day	10	15	15	0	15	20	20	0	12
Spring Incorporation within 1 week	15	0	15	40	20	30	20	60	8
Spring No Incorporation	15	60	15	90	20	100	20	130	5
Fall	15	60	15	90	20	100	20	130	5
Winter with cover crop	15	0	15	20	20	0	20	35	9
Winter No cover crop	15	60	15	90	20	100	20	130	5

Corn Silage after Alfalfa	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	17-21		22-25		26-29		30-33		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Spring Incorporation within 1 day	5	15	10	0	10	0	10	15	12
Spring Incorporation within 1 week	10	0	10	0	15	0	15	0	8
Spring No Incorporation	15	0	15	20	20	20	20	40	5
Fall	15	0	15	20	20	20	20	40	5
Winter with cover crop	10	0	10	0	10	20	15	0	9
Winter No cover crop	15	0	15	20	20	20	20	40	5

Corn Silage after Soybeans	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	17-21		22-25		26-29		30-33		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
<b>Manure Application Method</b>									
Spring Incorporation within 1 day	10	0	10	0	10	15	15	0	12
Spring Incorporation within 1 week	10	0	15	0	15	0	20	0	8
Spring No Incorporation	15	20	15	40	20	40	20	60	5
Fall	15	20	15	40	20	40	20	60	5
Winter with cover crop	10	0	10	20	15	0	15	10	9
Winter No cover crop	15	20	15	40	20	40	20	60	5

Grass Hay	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	3-4		4.1-5		5.1-6		6.1-7		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
<b>Manure Application Method</b>									
Spring Incorporation within 1 day	10	65	10	115	10	165	15	160	12
Spring Incorporation within 1 week	10	100	10	150	10	200	15	210	8
Spring No Incorporation	10	135	10	185	10	235	15	260	5
Fall	10	135	10	185	10	235	15	260	5
Winter with cover crop	10	90	10	140	10	190	15	190	9
Winter No cover crop	10	135	10	185	10	235	15	260	5

Small Grains	Yield Groups (bu/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	60-75		76-90		91-105		106-130		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
<b>Manure Application Method</b>									
Spring Incorporation within 1 day	5	0	5	0	5	0	5	25	12
Spring Incorporation within 1 week	5	0	5	0	10	0	10	0	8
Spring No Incorporation	10	0	10	0	10	20	15	10	5
Fall	10	0	10	0	10	20	15	10	5
Winter with cover crop	5	0	5	0	5	20	10	0	9
Winter No cover crop	10	0	10	0	10	20	15	10	5

No more than 9000 gal/A of liquid manure can be applied in a single application.  
Spilt higher rates into multiple applications.



## Turkey Phosphorus Based Manure Application Rates

Corn Grain	Yield Groups (bu/A)								Manure Application Rate Adjustment For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	100-130		131-160		161-190		191-220		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Manure Application Method									
Spring Incorporation within 1 day	1	65	1	95	1	125	1	155	47
Spring Incorporation within 1 week	1	80	1	110	1	140	1	170	28
Spring No Incorporation	1	100	1	130	1	160	1	190	9
Fall	1	100	1	130	1	160	1	190	9
Winter with cover crop	1	80	1	110	1	140	1	170	31
Winter No cover crop	1	100	1	130	1	160	1	190	9

Corn Grain after Alfalfa	Yield Groups (bu/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	100-130		131-160		161-190		191-220		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Manure Application Method									
Spring Incorporation within 1 day	1	0	1	25	1	45	1	65	47
Spring Incorporation within 1 week	1	20	1	40	1	60	1	80	28
Spring No Incorporation	1	40	1	60	1	80	1	100	9
Fall	1	40	1	60	1	80	1	100	9
Winter with cover crop	1	20	1	40	1	60	1	80	31
Winter No cover crop	1	40	1	60	1	80	1	100	9

Corn Grain after Soybeans	Yield Groups (bu/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	100-130		131-160		161-190		191-220		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Manure Application Method									
Spring Incorporation within 1 day	1	25	1	45	1	65	1	85	47
Spring Incorporation within 1 week	1	40	1	60	1	80	1	100	28
Spring No Incorporation	1	60	1	80	1	100	1	120	9
Fall	1	60	1	80	1	100	1	120	9
Winter with cover crop	1	40	1	60	1	80	1	100	31
Winter No cover crop	1	60	1	80	1	100	1	120	9

Corn Silage	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	17-21		22-25		26-29		30-33		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Manure Application Method									
Spring Incorporation within 1 day	1	85	2	65	2	95	2	125	47
Spring Incorporation within 1 week	1	100	2	105	2	135	2	165	28
Spring No Incorporation	1	120	2	140	2	170	2	200	9
Fall	1	120	2	140	2	170	2	200	9
Winter with cover crop	1	100	2	100	2	130	2	160	31
Winter No cover crop	1	120	2	140	2	170	2	200	9

Corn Silage after Alfalfa	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	17-21		22-25		26-29		30-33		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
Manure Application Method									
Spring Incorporation within 1 day	1	25	2	0	2	15	2	35	47
Spring Incorporation within 1 week	1	40	2	35	2	55	2	75	28
Spring No Incorporation	1	60	2	70	2	90	2	110	9
Fall	1	60	2	70	2	90	2	110	9
Winter with cover crop	1	40	2	30	2	50	2	70	31
Winter No cover crop	1	60	2	70	2	90	2	110	9

Corn Silage after Soybeans	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	17-21		22-25		26-29		30-33		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
<b>Manure Application Method</b>									
Spring Incorporation within 1 day	1	45	2	15	2	35	2	55	47
Spring Incorporation within 1 week	1	60	2	55	2	75	2	95	28
Spring No Incorporation	1	80	2	90	2	110	2	130	9
Fall	1	80	2	90	2	110	2	130	9
Winter with cover crop	1	60	2	50	2	70	2	90	31
Winter No cover crop	1	80	2	90	2	110	2	130	9

Grass Hay	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	3-4		4.1-5		5.1-6		6.1-7		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
<b>Manure Application Method</b>									
Spring Incorporation within 1 day	1	135	1	185	1	235	1	285	47
Spring Incorporation within 1 week	1	150	1	200	1	250	1	300	28
Spring No Incorporation	1	170	1	220	1	270	1	320	9
Fall	1	170	1	220	1	270	1	320	9
Winter with cover crop	1	150	1	200	1	250	1	300	31
Winter No cover crop	1	170	1	220	1	270	1	320	9

Small Grains	Yield Groups (bu/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	60-75		76-90		91-105		106-130		
	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	Manure ton/A	Fert N lb/A	
<b>Manure Application Method</b>									
Spring Incorporation within 1 day	1	0	1	0	1	20	1	35	47
Spring Incorporation within 1 week	1	0	1	20	1	35	1	50	28
Spring No Incorporation	1	25	1	40	1	55	1	70	9
Fall	1	25	1	40	1	55	1	70	9
Winter with cover crop	1	0	1	20	1	35	1	50	31
Winter No cover crop	1	25	1	40	1	55	1	70	9

No more than 9000 gal/A of liquid manure can be applied in a single application.  
Spilt higher rates into multiple applications.

## Veal Phosphorus Based Manure Application Rates

Corn Grain	Yield Groups (bu/A)								Manure Application Rate Adjustment For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	100-130		131-160		161-190		191-220		
	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	
Spring Incorporation within 1 day	4000	70	5000	95	6000	115	7000	135	10
Spring Incorporation within 1 week	4000	85	5000	105	6000	130	7000	155	7
Spring No Incorporation	4000	95	5000	120	6000	145	7000	175	4
Fall	4000	95	5000	120	6000	145	7000	175	4
Winter with cover crop	4000	80	5000	100	5000	130	5000	160	8
Winter No cover crop	4000	95	5000	120	5000	150	5000	180	4

Corn Grain after Alfalfa	Yield Groups (bu/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	100-130		131-160		161-190		191-220		
	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	
Spring Incorporation within 1 day	4000	10	5000	25	6000	35	7000	45	10
Spring Incorporation within 1 week	4000	25	5000	35	6000	50	7000	65	7
Spring No Incorporation	4000	35	5000	50	6000	65	7000	85	4
Fall	4000	35	5000	50	6000	65	7000	85	4
Winter with cover crop	4000	20	5000	30	5000	50	5000	70	8
Winter No cover crop	4000	35	5000	50	5000	70	5000	90	4

Corn Grain after Soybeans	Yield Groups (bu/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	100-130		131-160		161-190		191-220		
	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	
Spring Incorporation within 1 day	4000	30	5000	45	6000	55	7000	65	10
Spring Incorporation within 1 week	4000	45	5000	55	6000	70	7000	85	7
Spring No Incorporation	4000	55	5000	70	6000	85	7000	105	4
Fall	4000	55	5000	70	6000	85	7000	105	4
Winter with cover crop	4000	40	5000	50	5000	70	5000	90	8
Winter No cover crop	4000	55	5000	70	5000	90	5000	110	4

Corn Silage	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	17-21		22-25		26-29		30-33		
	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	
Spring Incorporation within 1 day	8000	55	9000	75	9000	105	9000	135	10
Spring Incorporation within 1 week	8000	75	9000	100	9000	130	9000	160	7
Spring No Incorporation	8000	100	9000	125	9000	155	9000	185	4
Fall	8000	100	9000	125	9000	155	9000	185	4
Winter with cover crop	5000	90	5000	120	5000	150	5000	180	8
Winter No cover crop	5000	110	5000	140	5000	170	5000	200	4

Corn Silage after Alfalfa	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	17-21		22-25		26-29		30-33		
	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	
Spring Incorporation within 1 day	7000	0	9000	0	9000	25	9000	45	10
Spring Incorporation within 1 week	8000	15	9000	30	9000	50	9000	70	7
Spring No Incorporation	8000	40	9000	55	9000	75	9000	95	4
Fall	8000	40	9000	55	9000	75	9000	95	4
Winter with cover crop	5000	30	5000	50	5000	70	5000	90	8
Winter No cover crop	5000	50	5000	70	5000	90	5000	110	4

Corn Silage after Soybeans	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	17-21		22-25		26-29		30-33		
	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	
Manure Application Method									
Spring Incorporation within 1 day	8000	15	9000	25	9000	45	9000	65	10
Spring Incorporation within 1 week	8000	35	9000	50	9000	70	9000	90	7
Spring No Incorporation	8000	60	9000	75	9000	95	9000	115	4
Fall	8000	60	9000	75	9000	95	9000	115	4
Winter with cover crop	5000	50	5000	70	5000	90	5000	110	8
Winter No cover crop	5000	70	5000	90	5000	110	5000	130	4

Grass Hay	Yield Groups (ton/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	3-4		4.1-5		5.1-6		6.1-7		
	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	
Manure Application Method									
Spring Incorporation within 1 day	5000	135	6000	175	7000	215	8000	255	10
Spring Incorporation within 1 week	5000	145	6000	190	7000	235	8000	275	7
Spring No Incorporation	5000	160	6000	205	7000	255	8000	300	4
Fall	5000	160	6000	205	7000	255	8000	300	4
Winter with cover crop	5000	140	5000	190	5000	240	5000	290	8
Winter No cover crop	5000	160	5000	210	5000	260	5000	310	4

Small Grains	Yield Groups (bu/A)								For each Ton/A less than the rate in the table, apply lbs. N fertilizer listed below.
	60-75		76-90		91-105		106-130		
	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	Manure gal/A	Fert N lb/A	
Manure Application Method									
Spring Incorporation within 1 day	4000	0	5000	0	7000	0	8000	0	10
Spring Incorporation within 1 week	5000	0	6000	10	7000	20	8000	25	7
Spring No Incorporation	5000	15	6000	25	7000	40	8000	50	4
Fall	5000	15	6000	25	7000	40	8000	50	4
Winter with cover crop	5000	0	5000	10	5000	25	5000	40	8
Winter No cover crop	5000	15	5000	30	5000	45	5000	60	4

No more than 9000 gal/A of liquid manure can be applied in a single application.  
Spilt higher rates into multiple applications.