

Waste Application Worksheet

Westridge Dairy

Operation ID:

Field # Field Name Field Acres Application Acres

Crop Year Crop Yield Goal Planned Application Acres

	Nitrogen	Phosphorus	Potassium
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N P₂O₅ K₂O

Crop Removal per bushel	3.75	0.85	1.30	
Crop Removal(needs) /acre	165	37	57	LMFA 900.803 m) (6)

Nitrogen Credits

Commercial Fertilizer	0	0	0	LMFA 900.803 m) (7)
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Legume	0			LMFA 900.803 m) (7)
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Manure Applications	2007	0	Mineralization Rate = 12.5 %	LMFA 900.803 m) (7)
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	2008	0	Mineralization Rate = 25 %	LMFA 900.803 m) (7)
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	2009	9	Mineralization Rate = 50 %	LMFA 900.803 m) (7)
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Total Nitrogen Credits	9			LMFA 900.803 m) (7)
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	Nitrogen	Phosphorus	Potassium
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Crop Needs after Credits	156	37	57	LMFA 900.803 m) (6)
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Sample Results From:

Manure Source: If Book: Source MWPS 18

Plant Ammonia Nitrogen / ton	7.3	2.5	4.9
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Manure Application Method	2.5		
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Ammonia Loss During Application	3%	Source: MWPS 18 Table 10-2	LMFA 900.803 m) (4)
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Mineralization Rate - Application Year	0.25	Source: MWPS 18 Table 10-5	
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Plant Available Nitrogen / ton	3.60		
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Application Rate Based on Tons/Acre

Nitrogen	43.3		LMFA 900.803 m) (8)
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Phosphorus	15.3		LMFA 900.803 l)
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Current Bray P1 Soil Test lbs/Acre	114.0		
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At Nitrogen Rate P1 Buildup Equals	7.6		
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# of Apps at N rate to reach 300-P1	24.3		
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Target Application Rate Per Acre	43.3	Tons	Nitrogen Rate
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Target Application Rate Entire Field	2,126	Tons	
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	Nitrogen	Phosphorus	Potassium
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Available Manure Nutrients Applied	156	106	212
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Available Nutrients from all sources	165	106	212
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Over (Under) application of nutrients	0	69	155
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Nitrogen Mineralization Credit for Future Years

Mineralized Nitrogen / Crop Year	Nitrogen Credit/Acre	Crop Year	Mineralization Rate
Second Year Following Application	26	2011	50% of 1.22 / ton
Third Year Following Application	13	2012	25% of 1.22 / ton
Fourth Year Following Application	7	2013	12.5% of 1.22 / ton

Waste Application Worksheet

Westridge Dairy

Operation ID:

Field # Field Name Field Acres Application Acres

Crop Year Crop Yield Goal Planned Application Acres

	Nitrogen	Phosphorus	Potassium
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	N	P ₂ O ₅	K ₂ O
Crop Removal per bushel	6.00	2.65	7.00
Crop Removal(needs) /acre	150	66	175

LMFA 900.803 m) (6)

Nitrogen Credits

Commercial Fertilizer

<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
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LMFA 900.803 m) (7)

Legume

<input type="text" value="40"/>	<input type="text" value="Soybeans"/>	
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LMFA 900.803 m) (7)

Previous Crop

Manure Applications 2007
2008
2009

<input type="text" value="0"/>
<input type="text" value="0"/>
<input type="text" value="28"/>

Mineralization Rate = 12.5 %
Mineralization Rate = 25 %
Mineralization Rate = 50 %

LMFA 900.803 m) (7)
LMFA 900.803 m) (7)
LMFA 900.803 m) (7)

Total Nitrogen Credits

<input type="text" value="68"/>

LMFA 900.803 m) (7)

	Nitrogen	Phosphorus	Potassium
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<input type="text" value="82"/>	<input type="text" value="66"/>	<input type="text" value="175"/>
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LMFA 900.803 m) (6)

If Book: Source MWPS 18

Sample Results From:

Manure Source: Lagoon

<input type="text" value="4.0"/>	<input type="text" value="3.0"/>	<input type="text" value="4.0"/>
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Plant Ammonia Nitrogen / 1000 gallons

<input type="text" value="2.0"/>

Manure Application Method

Ammonia Loss During Application

% Source: MWPS 18 Table 10-2

LMFA 900.803 m) (4)

Mineralization Rate - Application Year

Source: MWPS 18 Table 10-5

Plant Available Nitrogen / 1000 gallons

<input type="text" value="2.58"/>

Application Rate Based on

Gallons/Acre

LMFA 900.803 m) (8)

Nitrogen

<input type="text" value="31,782.9"/>

Phosphorus

<input type="text" value="22,083.3"/>

LMFA 900.803 l)

Current Bray P1 Soil Test lbs/Acre

<input type="text" value="81"/>

At Nitrogen Rate P1 Buildup Equals

<input type="text" value="3.2"/>

of Apps at N rate to reach 300 P1

<input type="text" value="68"/>

Target Application Rate Per Acre

Gallons Nitrogen Rate

Target Application Rate Entire Field

Gallons

	Nitrogen	Phosphorus	Potassium
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Available Manure Nutrients Applied
Available Nutrients from all sources
Over (Under) application of nutrients

<input type="text" value="82"/>	<input type="text" value="95"/>	<input type="text" value="127"/>
<input type="text" value="150"/>	<input type="text" value="95"/>	<input type="text" value="127"/>
<input type="text" value="0"/>	<input type="text" value="29"/>	<input type="text" value="-48"/>

Nitrogen Mineralization Credit for Future Years

Mineralized Nitrogen / Crop Year	Nitrogen Credit/Acre	Crop Year	Mineralization Rate
Second Year Following Application	<input type="text" value="10"/>	2011	50% of 0.60 /1000 gal
Third Year Following Application	<input type="text" value="5"/>	2012	25% of 0.60 /1000 gal
Fourth Year Following Application	<input type="text" value="2"/>	2013	12.5% of 0.60 /1000 gal

Waste Application Worksheet

Westridge Dairy

Operation ID:

Field # Field Name Field Acres Application Acres

Crop Year Crop Yield Goal Planned Application Acres

	Nitrogen	Phosphorus	Potassium
	N	P ₂ O ₅	K ₂ O

Crop Removal per bushel	1.20	0.43	0.28	
Crop Removal(needs) /acre	148	53	34	LMFA 900.803 m) (6)

Nitrogen Credits

Commercial Fertilizer	0	0	0	LMFA 900.803 m) (7)
Legume	0	Corn Silage		LMFA 900.803 m) (7)
		Previous Crop		
Manure Applications 2007	0	Mineralization Rate = 12.5 %		LMFA 900.803 m) (7)
2008	0	Mineralization Rate = 25 %		LMFA 900.803 m) (7)
2009	25	Mineralization Rate = 50 %		LMFA 900.803 m) (7)
Total Nitrogen Credits	25			LMFA 900.803 m) (7)

	Nitrogen	Phosphorus	Potassium
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Crop Needs after Credits

	123	53	34	LMFA 900.803 m) (6)
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Sample Results From:

Manure Source: Solid w/Bedding

Plant Ammonia Nitrogen / ton

Manure Application Method

Ammonia Loss During Application

Mineralization Rate - Application Year

Plant Available Nitrogen / ton

Application Rate Based on

Tons/Acre

Nitrogen	23.9		LMFA 900.803 m) (8)
Phosphorus	17.6		
Current Bray P1 Soil Test lbs/Acre	0		LMFA 900.803 l)
At Nitrogen Rate P1 Buildup Equals	2.1		
# of Apps at N rate to reach 300 P1	144		

Target Application Rate Per Acre **Tons** Nitrogen Rate

Target Application Rate Entire Field **Tons**

	Nitrogen	Phosphorus	Potassium
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Available Manure Nutrients Applied	123	72	143
Available Nutrients from all sources	148	72	143
Over (Under) application of nutrients	0	19	109

Nitrogen Mineralization Credit for Future Years

Mineralized Nitrogen / Crop Year	Nitrogen Credit/Acre	Crop Year	Mineralization Rate
Second Year Following Application	15	2011	50% of 1.25 / ton
Third Year Following Application	7	2012	25% of 1.25 / ton
Fourth Year Following Application	4	2013	12.5% of 1.25 / ton

Waste Application Worksheet

Westridge Dairy

Operation ID:

Field # Field Name Field Acres Application Acres
 Crop Year Crop Yield Goal Planned Application Acres

	Nitrogen	Phosphorus	Potassium
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	N	P ₂ O ₅	K ₂ O
Crop Removal per bushel	3.75	0.85	1.30
Crop Removal(needs) /acre	165	37	57

LMFA 900.803 m) (6)

Nitrogen Credits

Commercial Fertilizer	0	0	0
Legume	0	<input type="text" value="Corn Silage"/>	
		Previous Crop	
Manure Applications 2007	0	Mineralization Rate = 12.5 % Mineralization Rate = 25 % Mineralization Rate = 50 %	
2008	0		
2009	19		
Total Nitrogen Credits	19		

LMFA 900.803 m) (7)

LMFA 900.803 m) (7)

LMFA 900.803 m) (7)

LMFA 900.803 m) (7)

LMFA 900.803 m) (7)

LMFA 900.803 m) (7)

	Nitrogen	Phosphorus	Potassium
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	146	37	57
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LMFA 900.803 m) (6)

If Book: Source MWPS 18

Crop Needs after Credits

Sample Results From:			
Manure Source: Solid w/sand Bedding	7.3	2.5	4.9
Plant Ammonia Nitrogen / ton	2.5		

Manure Application Method

Ammonia Loss During Application % Source: MWPS 18 Table 10-2 LMFA 900.803 m) (4)

Mineralization Rate - Application Year Source: MWPS 18 Table 10-5

Plant Available Nitrogen / ton

Application Rate Based on

	Tons/Acre
Nitrogen	40.6
Phosphorus	15.3
Current Bray P1 Soil Test lbs/Acre	98
At Nitrogen Rate P1 Buildup Equals	6.9
# of Apps at N rate to reach 300 P1	29

LMFA 900.803 m) (8)

LMFA 900.803 l)

Target Application Rate Per Acre **Tons** Nitrogen Rate

Target Application Rate Entire Field **Tons**

	Nitrogen	Phosphorus	Potassium
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Available Manure Nutrients Applied	146	99	199
Available Nutrients from all sources	165	99	199
Over (Under) application of nutrients	0	62	142

Nitrogen Mineralization Credit for Future Years

Mineralized Nitrogen / Crop Year	Nitrogen Credit/Acre	Crop Year	Mineralization Rate
Second Year Following Application	25	2011	50% of 1.22 / ton
Third Year Following Application	12	2012	25% of 1.22 / ton
Fourth Year Following Application	6	2013	12.5% of 1.22 / ton

Waste Application Worksheet

Westridge Dairy

Operation ID: Field # Field Name Field Acres Application Acres
 Crop Year Crop Yield Goal Planned Application Acres

	Nitrogen	Phosphorus	Potassium
	N	P ₂ O ₅	K ₂ O

Crop Removal per bushel	6.00	2.65	7.00	
Crop Removal(needs) /acre	150	66	175	LMFA 900.803 m) (6)

Nitrogen Credits

Commercial Fertilizer	0	0	0	LMFA 900.803 m) (7)
Legume	40	<input type="text" value="Soybeans"/>		LMFA 900.803 m) (7)
		Previous Crop		
Manure Applications 2007	0	Mineralization Rate = 12.5 %		LMFA 900.803 m) (7)
2008	0	Mineralization Rate = 25 %		LMFA 900.803 m) (7)
2009	27	Mineralization Rate = 50 %		LMFA 900.803 m) (7)
Total Nitrogen Credits	67			LMFA 900.803 m) (7)

	Nitrogen	Phosphorus	Potassium
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Crop Needs after Credits	83	66	175	LMFA 900.803 m) (6)
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Sample Results From:

Manure Source: Solid w/sand Bedding	7.3	2.5	4.9	
Plant Ammonia Nitrogen / ton	2.5			
Manure Application Method	<input type="text" value="Broadcast Solid, incorporated within 12 hours"/>			
Ammonia Loss During Application	3 %	Source: MWPS 18 Table 10-2		LMFA 900.803 m) (4)
Mineralization Rate - Application Year	0.25	Source: MWPS 18 Table 10-5		
Plant Available Nitrogen / ton	3.60			

Application Rate Based on

	Tons/Acre		
Nitrogen	23.1		LMFA 900.803 m) (8)
Phosphorus	27.0		
Current Bray P1 Soil Test lbs/Acre	148		LMFA 900.803 f)
At Nitrogen Rate P1 Buildup Equals	-1.1		
# of Apps at N rate to reach 300 P1	0	Soil Test Phosphorus Decreasing	

Target Application Rate Per Acre	23.1	Tons	Nitrogen Rate
Target Application Rate Entire Field	732	Tons	

	Nitrogen	Phosphorus	Potassium
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Available Manure Nutrients Applied	83	57	113
Available Nutrients from all sources	150	57	113
Over (Under) application of nutrients	0	-10	-62

Nitrogen Mineralization Credit for Future Years

Mineralized Nitrogen / Crop Year	Nitrogen Credit/Acre	Crop Year	Mineralization Rate
Second Year Following Application	14	2011	50% of 1.22 / ton
Third Year Following Application	7	2012	25% of 1.22 / ton
Fourth Year Following Application	4	2013	12.5% of 1.22 / ton

Waste Application Worksheet

Westridge Dairy

Operation ID:

Field # Field Name Field Acres Application Acres
 Crop Year Crop Yield Goal Planned Application Acres

	Nitrogen	Phosphorus	Potassium
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	N	P ₂ O ₅	K ₂ O
Crop Removal per bushel	6.00	2.65	7.00
Crop Removal(needs) /acre	150	66	175

LMFA 900.803 m) (6)

Nitrogen Credits

Commercial Fertilizer	0	0	0
Legume	40	<input type="text" value="Soybeans"/>	
Manure Applications 2007	0	Mineralization Rate = 12.5 % Mineralization Rate = 25 % Mineralization Rate = 50 %	
2008	0		
2009	27		
Total Nitrogen Credits	67		

LMFA 900.803 m) (7)

LMFA 900.803 m) (7)

LMFA 900.803 m) (7)

LMFA 900.803 m) (7)

LMFA 900.803 m) (7)

LMFA 900.803 m) (7)

	Nitrogen	Phosphorus	Potassium
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	83	66	175
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LMFA 900.803 m) (6)

If Book: Source MWPS 18

Sample Results From:

Manure Source: Solid w/sand Bedding	7.3	2.5	4.9
Plant Ammonia Nitrogen / ton	2.5		

Manure Application Method

Ammonia Loss During Application % Source: MWPS 18 Table 10-2

LMFA 900.803 m) (4)

Mineralization Rate - Application Year Source: MWPS 18 Table 10-5

Plant Available Nitrogen / ton

Application Rate Based on Tons/Acre

LMFA 900.803 m) (8)

Nitrogen	23.1
Phosphorus	27.0
Current Bray P1 Soil Test lbs/Acre	0
At Nitrogen Rate P1 Buildup Equals	-1.1
# of Apps at N rate to reach 300 P1	0

LMFA 900.803 i)

Soil Test Phosphorus Decreasing

Target Application Rate Per Acre **Tons** Nitrogen Rate

Target Application Rate Entire Field **Tons**

	Nitrogen	Phosphorus	Potassium
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Available Manure Nutrients Applied	83	57	113
Available Nutrients from all sources	150	57	113
Over (Under) application of nutrients	0	-10	-62

Nitrogen Mineralization Credit for Future Years

Mineralized Nitrogen / Crop Year	Nitrogen Credit/Acre	Crop Year	Mineralization Rate
Second Year Following Application	14	2011	50% of 1.22 /ton
Third Year Following Application	7	2012	25% of 1.22 /ton
Fourth Year Following Application	4	2013	12.5% of 1.22 /ton

Waste Application Worksheet

Westridge Dairy

Operation ID:

Field # Field Name Field Acres Application Acres
 Crop Year Crop Yield Goal Planned Application Acres

	Nitrogen	Phosphorus	Potassium
	N	P ₂ O ₅	K ₂ O

Crop Removal per bushel	3.75	0.85	1.30	
Crop Removal(needs) /acre	146	33	51	LMFA 900.803 m) (6)

Nitrogen Credits

Commercial Fertilizer	0	0	0	LMFA 900.803 m) (7)
Legume	0	Corn Silage		LMFA 900.803 m) (7)
		Previous Crop		
Manure Applications 2007	0	Mineralization Rate = 12.5 %		LMFA 900.803 m) (7)
2008	0	Mineralization Rate = 25 %		LMFA 900.803 m) (7)
2009	9	Mineralization Rate = 50 %		LMFA 900.803 m) (7)
Total Nitrogen Credits	9			LMFA 900.803 m) (7)

	Nitrogen	Phosphorus	Potassium
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Crop Needs after Credits

	137	33	51	LMFA 900.803 m) (6)
Sample Results From:	<small>If Book: Source MWPS 18</small>			
Manure Source: Solid w/Bedding	9.0	3.0	6.0	
Plant Ammonia Nitrogen / ton	4.0			
Manure Application Method	Broadcast Solid, incorporated within 12 hours			
Ammonia Loss During Application	3 %	<small>Source: MWPS 18 Table 10-2</small>		LMFA 900.803 m) (4)
Mineralization Rate - Application Year	0.30	<small>Source: MWPS 18 Table 10-5</small>		
Plant Available Nitrogen / ton	5.38			

Application Rate Based on

	Tons/Acre	
Nitrogen	25.5	LMFA 900.803 m) (8)
Phosphorus	11.1	
Current Bray P1 Soil Test lbs/Acre	51	LMFA 900.803 f)
At Nitrogen Rate P1 Buildup Equals	4.8	
# of Apps at N rate to reach 300 P1	52	

Target Application Rate Per Acre **Tons** Nitrogen Rate

Target Application Rate Entire Field **Tons**

	Nitrogen	Phosphorus	Potassium
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Available Manure Nutrients Applied	137	77	153
Available Nutrients from all sources	146	77	153
Over (Under) application of nutrients	0	43	102

Nitrogen Mineralization Credit for Future Years

Mineralized Nitrogen / Crop Year	Nitrogen Credit/Acre	Crop Year	Mineralization Rate
Second Year Following Application	19	2011	50% of 1.50 /ton
Third Year Following Application	10	2012	25% of 1.50 /ton
Fourth Year Following Application	5	2013	12.5% of 1.50 /ton

Waste Application Worksheet

Westridge Dairy

Operation ID:

Field # Field Name Field Acres Application Acres

Crop Year Crop Yield Goal Planned Application Acres

	Nitrogen	Phosphorus	Potassium
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	N	P ₂ O ₅	K ₂ O
Crop Removal per bushel	3.75	0.85	1.30
Crop Removal(needs) /acre	161	37	56

LMFA 900.803 m) (6)

Nitrogen Credits

Commercial Fertilizer

	0	0	0
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LMFA 900.803 m) (7)

Legume

	0		
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LMFA 900.803 m) (7)

Manure Applications 2007
 2008
 2009

	0	Mineralization Rate = 12.5 %	
	0	Mineralization Rate = 25 %	
	19	Mineralization Rate = 50 %	

LMFA 900.803 m) (7)

LMFA 900.803 m) (7)

LMFA 900.803 m) (7)

Total Nitrogen Credits

	19		
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LMFA 900.803 m) (7)

	Nitrogen	Phosphorus	Potassium
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	142	37	56
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LMFA 900.803 m) (6)

Crop Needs after Credits

Sample Results From:

If Book: Source MWPS 18

Manure Source: Solid w/sand Bedding

	7.3	2.5	4.9
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Plant Ammonia Nitrogen / ton

	2.5		
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Manure Application Method

Ammonia Loss During Application %

Source: MWPS 18 Table 10-2

LMFA 900.803 m) (4)

Mineralization Rate - Application Year

Source: MWPS 18 Table 10-5

Plant Available Nitrogen / ton

	3.60		
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Application Rate Based on

Tons/Acre

Nitrogen

39.5

LMFA 900.803 m) (8)

Phosphorus

14.9

LMFA 900.803 m) (1)

Current Bray P1 Soil Test lbs/Acre

226.0

At Nitrogen Rate P1 Buildup Equals

6.7

of Apps at N rate to reach 300-P1

11.0

Target Application Rate Per Acre

39.5

Tons

Nitrogen Rate

Target Application Rate Entire Field

4,360

Tons

	Nitrogen	Phosphorus	Potassium
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Available Manure Nutrients Applied

	142	97	194
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Available Nutrients from all sources

	161	97	194
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Over (Under) application of nutrients

	0	60	138
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Nitrogen Mineralization Credit for Future Years

Mineralized Nitrogen / Crop Year	Nitrogen Credit/Acre	Crop Year	Mineralization Rate
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Second Year Following Application	24	2011	50% of 1.22 / ton
Third Year Following Application	12	2012	25% of 1.22 / ton
Fourth Year Following Application	6	2013	12.5% of 1.22 / ton

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 Crop Year Crop Yield Goal Planned Application Acres

	Nitrogen	Phosphorus	Potassium
	N	P ₂ O ₅	K ₂ O

Crop Removal per bushel
 Crop Removal(needs) /acre

1.20	0.43	0.28
155	55	36

LMFA 900.803 m) (6)

Nitrogen Credits

Commercial Fertilizer

0	0	0
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LMFA 900.803 m) (7)

Legume

40	Soybeans	
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LMFA 900.803 m) (7)

Previous Crop

Manure Applications 2007
 2008
 2009

0	Mineralization Rate = 12.5 %	
0	Mineralization Rate = 25 %	
27	Mineralization Rate = 50 %	

LMFA 900.803 m) (7)

LMFA 900.803 m) (7)

LMFA 900.803 m) (7)

Total Nitrogen Credits

67		
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LMFA 900.803 m) (7)

	Nitrogen	Phosphorus	Potassium
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Crop Needs after Credits

88	55	36
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LMFA 900.803 m) (6)

Sample Results From:

Manure Source: Solid w/Bedding

9.0	3.0	6.0
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Plant Ammonia Nitrogen / ton

4.0		
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Manure Application Method

Broadcast Solid, incorporated within 12 hours

Ammonia Loss During Application

% Source: MWPS 18 Table 10-2

LMFA 900.803 m) (4)

Mineralization Rate - Application Year

 Source: MWPS 18 Table 10-5

Plant Available Nitrogen / ton

5.13		
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Application Rate Based on

Tons/Acre

Nitrogen

LMFA 900.803 m) (8)

Phosphorus

Current Bray P1 Soil Test lbs/Acre

LMFA 900.803 l)

At Nitrogen Rate P1 Buildup Equals

of Apps at N rate to reach 300 P1

Soil Test Phosphorus Decreasing

Target Application Rate Per Acre

Tons Nitrogen Rate

Target Application Rate Entire Field

Tons

	Nitrogen	Phosphorus	Potassium
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Available Manure Nutrients Applied

88	51	103
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Available Nutrients from all sources

155	51	103
-----	----	-----

Over (Under) application of nutrients

0	-4	67
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Nitrogen Mineralization Credit for Future Years

Mineralized Nitrogen / Crop Year	Nitrogen Credit/Acre	Crop Year	Mineralization Rate
----------------------------------	----------------------	-----------	---------------------

Second Year Following Application	<input type="text" value="11"/>	2011	50% of 1.25 / ton
Third Year Following Application	<input type="text" value="5"/>	2012	25% of 1.25 / ton
Fourth Year Following Application	<input type="text" value="3"/>	2013	12.5% of 1.25 / ton

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Field # Field Name Field Acres Application Acres

Crop Year Crop Yield Goal Planned Application Acres

	Nitrogen	Phosphorus	Potassium
	N	P ₂ O ₅	K ₂ O

Crop Removal per bushel	6.00	2.65	7.00	
Crop Removal(needs) /acre	150	66	175	LMFA 900.803 m) (6)

Nitrogen Credits

Commercial Fertilizer

	0	0	0	LMFA 900.803 m) (7)
--	---	---	---	---------------------

Legume

	0	Corn Grain		LMFA 900.803 m) (7)
--	---	------------	--	---------------------

Previous Crop

Manure Applications 2007

	0	Mineralization Rate = 12.5 %		LMFA 900.803 m) (7)
--	---	------------------------------	--	---------------------

2008

	0	Mineralization Rate = 25 %		LMFA 900.803 m) (7)
--	---	----------------------------	--	---------------------

2009

	25	Mineralization Rate = 50 %		LMFA 900.803 m) (7)
--	----	----------------------------	--	---------------------

Total Nitrogen Credits

	25			LMFA 900.803 m) (7)
--	----	--	--	---------------------

	Nitrogen	Phosphorus	Potassium
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Crop Needs after Credits

	125	66	175	LMFA 900.803 m) (6)
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Sample Results From:

If Book: Source MWPS 18

Manure Source: Solid w/sand Bedding

	7.3	2.5	4.9	
--	-----	-----	-----	--

Plant Ammonia Nitrogen / ton

	2.5			
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Manure Application Method

Broadcast Solid, incorporated within 12 hours

Ammonia Loss During Application

3 %	Source: MWPS 18 Table 10-2		LMFA 900.803 m) (4)
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Mineralization Rate - Application Year

0.25	Source: MWPS 18 Table 10-5		
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Plant Available Nitrogen / ton

	3.60			
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Application Rate Based on

Tons/Acre

Nitrogen

	34.7			LMFA 900.803 m) (6)
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Phosphorus

	27.0			
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Current Bray P1 Soil Test lbs/Acre

	216			LMFA 900.803 m) (6)
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At Nitrogen Rate P1 Buildup Equals

	2.1			
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of Apps at N rate to reach 300 P1

	40			
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Target Application Rate Per Acre

	34.7			
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Tons

Nitrogen Rate

Target Application Rate Entire Field

	1,828			
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Tons

	Nitrogen	Phosphorus	Potassium
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Available Manure Nutrients Applied

	125	85	170	
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Available Nutrients from all sources

	150	85	170	
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Over (Under) application of nutrients

	0	19	-5	
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Nitrogen Mineralization Credit for Future Years

Mineralized Nitrogen / Crop Year	Nitrogen Credit/Acre	Crop Year	Mineralization Rate
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Second Year Following Application	21	2011	50% of 1.22 / ton
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Third Year Following Application	11	2012	25% of 1.22 / ton
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Fourth Year Following Application	5	2013	12.5% of 1.22 / ton
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