



## Manure Nutrient Management Plan

PROJECT: Hill Crest Dairy

PROJECT NO.: 238-04009

COMPUTATION BY: \_\_\_\_\_ DATE: 8/16/10

CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

Plan Start Year: 2008

Plan End Year: 2013

New Field Data

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**START YEAR**  
**2008**

PROJECT: Hill Crest Dairy  
 PROJECT NO.: 238-04009  
 COMPUTATION BY: 0 DATE: 8/16/10  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

Source #	1 DAIRY ANAEROBIC LIQUID INJECTED	2 DAIRY SOLIDS SOLID BROADCAST W/ INCORP	3 DAIRY ANAEROBIC LIQUID BROADCAST W/O INCORP							
Source										
2005	# NH3 / k Gal or ton	6.80								
	# Org. N / k Gal or ton	3.70								
	# TOTAL N/ k Gal or ton	10.5								
	# 1YR PAN / k Gal or ton	7.77								
	# P2O5/ k Gal or ton	6.00								
	# K2O/ k Gal or ton	17.0								
2006	# NH3 / k Gal or ton	6.80	0.00	0.00						
	# Org. N / k Gal or ton	3.70	0.00	0.00						
	# TOTAL N/ k Gal or ton	10.5	0.00	0.00						
	# 1YR PAN / k Gal or ton	7.77								
	# P2O5/ k Gal or ton	6.00	0.00	0.00						
	# K2O/ k Gal or ton	17.0	0.00	0.00						
2007	# NH3 / k Gal or ton	6.80	0.00	0.00						
	# Org. N / k Gal or ton	3.70	0.00	0.00						
	# TOTAL N/ k Gal or ton	10.5	0.00	0.00						
	# 1YR PAN / k Gal or ton	7.77								
	# P2O5/ k Gal or ton	6.00	0.00	0.00						
	# K2O/ k Gal or ton	17.0	0.00	0.00						
2008	# NH3 / k Gal or ton	5.25	2.40	5.25						
	# Org. N / k Gal or ton	7.60	4.30	7.60						
	# TOTAL N/ k Gal or ton	12.9	6.70	12.9						
	# 1YR PAN / k Gal or ton	7.43	3.36	6.22						
	# P2O5/ k Gal or ton	1.65	2.30	1.65						
	# K2O/ k Gal or ton	12.1	4.90	12.0						
2009	# NH3 / k Gal or ton	5.25	2.40	5.25						
	# Org. N / k Gal or ton	7.60	4.30	7.60						
	# TOTAL N/ k Gal or ton	12.9	6.70	12.9						
	# 1YR PAN / k Gal or ton	7.43	3.36	6.22						
	# P2O5/ k Gal or ton	1.65	2.30	1.65						
	# K2O/ k Gal or ton	12.1	4.90	12.1						
2010	# NH3 / k Gal or ton	5.25	2.20	5.25						
	# Org. N / k Gal or ton	7.60	4.60	7.60						
	# TOTAL N/ k Gal or ton	12.9	6.80	12.9						
	# 1YR PAN / k Gal or ton	7.43	3.24	6.22						
	# P2O5/ k Gal or ton	1.65	3.60	1.65						
	# K2O/ k Gal or ton	12.1	3.80	12.1						
2011	# NH3 / k Gal or ton	6.80	2.20	5.25						
	# Org. N / k Gal or ton	7.60	4.60	7.60						
	# TOTAL N/ k Gal or ton	14.4	6.80	12.9						
	# 1YR PAN / k Gal or ton	8.94	3.24	6.22						
	# P2O5/ k Gal or ton	5.50	3.60	1.65						
	# K2O/ k Gal or ton	12.0	3.80	12.1						
2012	# NH3 / k Gal or ton	6.80	2.20	5.25						
	# Org. N / k Gal or ton	7.60	4.60	7.60						
	# TOTAL N/ k Gal or ton	14.4	6.80	12.9						
	# 1YR PAN / k Gal or ton	8.94	3.24	6.22						
	# P2O5/ k Gal or ton	5.50	3.60	1.65						
	# K2O/ k Gal or ton	12.0	3.80	12.1						
2013	# NH3 / k Gal or ton	6.80	2.20	5.25						
	# Org. N / k Gal or ton	7.60	4.60	7.60						
	# TOTAL N/ k Gal or ton	14.4	6.80	12.9						
	# 1YR PAN / k Gal or ton	8.94	3.24	6.22						
	# P2O5/ k Gal or ton	5.50	3.60	1.65						
	# K2O/ k Gal or ton	12.0	3.80	12.1						



# Available Nutrients Calculations

**Manure Analysis**  
**START YEAR**  
**2008**

PROJECT: Hill Crest Dairy

PROJECT NO.: 238-04009

COMPUTATION BY: 0

CHECKED BY:

DATE: 8/16/10

DATE:

2005

## Manure Sources and Analysis

MANURE SOURCE	ANIMAL TYPE	TYPE OF MANURE	STATE	APPLICATION METHOD	1000 GAL / TON	AMOUNT 1,000 GAL / TON	NH3	ORGANIC NITROGEN	TOTAL NITROGEN	P2O5	K2O
1	DAIRY	ANAEROBIC	LIQUID	INJECTED	1000 GAL	14359	6.8	3.7	10.5	6	17
2	DAIRY	SOLIDS	SOLID	BROADCAST W/ INCORP	TON						
3	DAIRY	ANAEROBIC	LIQUID	BROADCAST W/O INCORP	1000 GAL						

2006

MANURE SOURCE	ANIMAL TYPE	TYPE OF MANURE	STATE	APPLICATION METHOD	1000 GAL / TON	AMOUNT 1,000 GAL / TON	NH3	ORGANIC NITROGEN	TOTAL NITROGEN	P2O5	K2O
1	DAIRY	ANAEROBIC	LIQUID	INJECTED	1000 GAL	14359	6.8	3.7	10.5	6	17
2	DAIRY	SOLIDS	SOLID	BROADCAST W/ INCORP	TON	0	0	0	0	0	0
3	DAIRY	ANAEROBIC	LIQUID	BROADCAST W/O INCORP	1000 GAL	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0

2007

MANURE SOURCE	ANIMAL TYPE	TYPE OF MANURE	STATE	APPLICATION METHOD	1000 GAL / TON	AMOUNT 1,000 GAL / TON	NH3	ORGANIC NITROGEN	TOTAL NITROGEN	P2O5	K2O
1	DAIRY	ANAEROBIC	LIQUID	INJECTED	1000 GAL	14359	6.8	3.7	10.5	6	17
2	DAIRY	SOLIDS	SOLID	BROADCAST W/ INCORP	TON	0	0	0	0	0	0
3	DAIRY	ANAEROBIC	LIQUID	BROADCAST W/O INCORP	1000 GAL	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0

2008

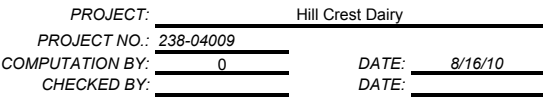
MANURE SOURCE	ANIMAL TYPE	TYPE OF MANURE	STATE	APPLICATION METHOD	1000 GAL / TON	AMOUNT 1,000 GAL / TON	NH3	ORGANIC NITROGEN	TOTAL NITROGEN	P2O5	K2O
1	DAIRY	ANAEROBIC	LIQUID	INJECTED	1000 GAL	15500	5.25	7.6	12.9	1.65	12.1
2	DAIRY	SOLIDS	SOLID	BROADCAST W/ INCORP	TON	4900	2.4	4.3	6.7	2.3	4.9
3	DAIRY	ANAEROBIC	LIQUID	BROADCAST W/O INCORP	1000 GAL	5000	5.25	7.6	12.9	1.65	12
0	0	0	0	0	0	0					
0	0	0	0	0	0	0					
0	0	0	0	0	0	0					
0	0	0	0	0	0	0					
8	0	0	0	0	0	0					
9	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0

2009

MANURE SOURCE	ANIMAL TYPE	TYPE OF MANURE	STATE	APPLICATION METHOD	1000 GAL / TON	AMOUNT 1,000 GAL / TON	NH3	ORGANIC NITROGEN	TOTAL NITROGEN	P2O5	K2O
1	DAIRY	ANAEROBIC	LIQUID	INJECTED	1000 GAL	15500	5.25	7.6	12.9	1.65	12.1
2	DAIRY	SOLIDS	SOLID	BROADCAST W/ INCORP	TON	4900	2.4	4.3	6.7	2.3	4.9
3	DAIRY	ANAEROBIC	LIQUID	BROADCAST W/O INCORP	1000 GAL	5000	5.25	7.6	12.9	1.65	12.1
0	0	0	0	0	0						
0	0	0	0	0	0						
0	0	0	0	0	0						
0	0	0	0	0	0						
8	0	0	0	0	0						
9	0	0	0	0	0		0	0	0	0	0
10	0	0	0	0	0		0	0	0	0	0



Fields	
Setback	13.0
Spread	42.0
Total	55.0



PROJECT: Hill Crest Dairy  
PROJECT NO.: 238-04009  
COMPUTATION BY: 0 DATE: 8/16/10  
CHECKED BY: DATE:



### Manure Application Rates

START YEAR  
2008

PROJECT: \_\_\_\_\_ Example

PROJECT NO.: 238-08xxx  
COMPUTATION BY: DATE: 8/16/10

COMPUTATION BY: xxx DATE: 8/16/10  
CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

	2005				2006				2007				2008				2009				2010				2011				2012				2013			
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring						
	App. Rate per Acre 1000GAL / TON	Manure Source	App. Rate per Acre 1000GAL / TON	Manure Source	App. Rate per Acre 1000GAL / TON	Manure Source	App. Rate per Acre 1000GAL / TON	Manure Source	App. Rate per Acre 1000GAL / TON	Manure Source	App. Rate per Acre 1000GAL / TON	Manure Source	App. Rate per Acre 1000GAL / TON	Manure Source	App. Rate per Acre 1000GAL / TON	Manure Source	App. Rate per Acre 1000GAL / TON	Manure Source	App. Rate per Acre 1000GAL / TON	Manure Source	App. Rate per Acre 1000GAL / TON	Manure Source	App. Rate per Acre 1000GAL / TON	Manure Source	App. Rate per Acre 1000GAL / TON	Manure Source	App. Rate per Acre 1000GAL / TON	Manure Source	App. Rate per Acre 1000GAL / TON	Manure Source						
FIELD NAME																																				
Inwood North 2 (T4186-2)(Appl 1)																																				
Inwood North 2 (T4186-2)(Appl 2)																																				
Inwood North 2 (T4186-2)(Appl 3)																																				
Inwood North 1 (T4185-1B)(Appl 1)																																				
Inwood North 1 (T4185-1B)(Appl 2)																																				
Inwood North 1 (T4185-1B)(Appl 3)																																				
Inwood North 2 (T4185-1A)(Appl 1)																																				
Inwood North 2 (T4185-1A)(Appl 2)																																				
Inwood North 2 (T4185-1A)(Appl 3)																																				
Inwood North 3 (T4185-2)(Appl 1)																																				
Inwood North 3 (T4185-2)(Appl 2)																																				
Inwood North 3 (T4185-2)(Appl 3)																																				
Inwood North 3 (T4185-3)(Appl 1)																																				
Inwood North 3 (T4185-3)(Appl 2)																																				
Inwood North 3 (T4185-3)(Appl 3)																																				
Inwood North 4 (T4185-4)(Appl 1)																																				
Inwood North 4 (T4185-4)(Appl 2)																																				
Inwood North 4 (T4185-4)(Appl 3)																																				
Inwood North 5 (T4185-5)(Appl 1)																																				
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Inwood North 5 (T4185-5)(Appl 3)																																				
Inwood North 6 (T4185-6)(Appl 1)																																				
Inwood North 6 (T4185-6)(Appl 2)																																				
Inwood North 6 (T4185-6)(Appl 3)																																				
Inwood North 7 (T4185-7)(Appl 1)																																				
Inwood North 7 (T4185-7)(Appl 2)																																				
Inwood North 7 (T4185-7)(Appl 3)																																				
Inwood North 8 (T4185-8)(Appl 1)																																				
Inwood North 8 (T4185-8)(Appl 2)																																				
Inwood North 8 (T4185-8)(Appl 3)																																				
Inwood North 10 (T4185-10)(Appl 1)																																				
Inwood North 10 (T4185-10)(Appl 2)																																				
Inwood North 10 (T4185-10)(Appl 3)																																				
Inwood North 11 (T4185-11)(Appl 1)																																				
Inwood North 11 (T4185-11)(Appl 2)																																				
Inwood North 11 (T4185-11)(Appl 3)																																				
Inwood South 1 (T4187-1E)(Appl 1)																																				
Inwood South 1 (T4187-1E)(Appl 2)																																				
Inwood South 1 (T4187-1E)(Appl 3)																																				
Inwood South 2 (T4187-1W)(Appl 1)																																				
Inwood South 2 (T4187-1W)(Appl 2)																																				
Inwood South 2 (T4187-1W)(Appl 3)																																				
Inwood South 2 (T4187-2)(Appl 1)																																				
Inwood South 2 (T4187-2)(Appl 2)																																				
Inwood South 2 (T4187-2)(Appl 3)																																				
Inwood South 3 (T4187-3)(Appl 1)																																				
Inwood South 3 (T4187-3)(Appl 2)																																				
Inwood South 3 (T4187-3)(Appl 3)																																				
Inwood South 4 (T4187-4)(Appl 1)																																				
Inwood South 4 (T4187-4)(Appl 2)																																				
Inwood South 4 (T4187-4)(Appl 3)																																				
Inwood South 5 (T4187-5)(Appl 1)																																				
Inwood South 5 (T4187-5)(Appl 2)																																				
Inwood South 5 (T4187-5)(Appl 3)																																				
Inwood South 1S (T4660-1A)(Appl 1)																																				
Inwood South 1S (T4660-1A)(Appl 2)																																				
Inwood South 1S (T4660-1A)(Appl 3)																																				
Inwood South 1SB (T4660-1B)(Appl 1)																																				
Inwood South 1SB (T4660-1B)(Appl 2)																																				
Inwood South 1SB (T4660-1B)(Appl 3)																																				
Inwood South 2S (T4660-2)(Appl 1)																																				
Inwood South 2S (T4660-2)(Appl 2)																																				
Inwood South 2S (T4660-2)(Appl 3)																																				
Inwood South 3S (T4660-3)(Appl 1)																																				
Inwood South 3S (T4660-3)(Appl 2)																																				
Inwood South 3S (T4660-3)(Appl 3)																																				
Inwood South 4S (T4660-4A)(Appl 1)																																				
Inwood South 4S (T4660-4A)(Appl 2)																																				
Inwood South 4S (T4660-4A)(Appl 3)																																				
Inwood South 4SB (T4660-4B)(Appl 1)																																				
Inwood South 4SB (T4660-4B)(Appl 2)																																				
Inwood South 4SB (T4660-4B)(Appl 3)																																				





### Manure Application Rates

**START YEAR**  
2008

PROJECT: Example

PROJECT NO.: 238-08xxx

COMPUTATION BY: xxx DATE: 8/16/10  
CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

[illegible]

TOTAL ACRES APPLIED TO	297	448	454	304	351	351	351
SOURCE 1 APPLIED	8281	5208	3556	3725	3725	3725	3725
SOURCE 2 APPLIED	0	2714	5305	1914	3327	3327	3327
SOURCE 3 APPLIED	0	88	900	0	0	0	0



Five Year Manure Management Plan

CROP YEAR 2008		2005 ORGANIC N APPLIED #/ACRE	2006 ORGANIC N APPLIED #/ACRE	2007 ORGANIC N APPLIED #/ACRE	2007 CROP	2008 SPRING CROP	2008 FALL CROP	SPRING YIELD GOAL UNITS/ACRE	FALL YIELD GOAL UNITS/ACRE	SPRING NITROGEN UPTAKE lb/UNITS	FALL NITROGEN UPTAKE lb/UNITS	PAN UPTAKE GOAL lb/ACRE	PREVIOUS CROP N CREDIT lb/ACRE	PREVIOUS 3RD YR CREDIT lb/ACRE	PREVIOUS 2ND YR CREDIT lb/ACRE	PREVIOUS 1ST YR CREDIT lb/ACRE	2008 MANURE PAN lb/ACRE	2008 TOTAL PAN lb/ACRE	1 DAIRY ANAEROBIC LIQUID	2 DAIRY SOLIDS SOLID	3 DAIRY ANAEROBIC LIQUID	
FIELD #	ACRES																					
Inwood North 2 (T4186-2)	0				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood North 2 (T4186-2) (A)	40				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood North 1 (T4185-1B)	3				Corn Silage		Corn Silage		26		7.5	195					68	(127)		64		
Inwood North 1 (T4185-1B) (A)	38				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood North 2 (T4185-1A)	40			31	Corn Silage		Beans		0		0.0	0				16	68	84		800		
Inwood North 3 (T4185-2)	3				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood North 3 (T4185-3)	14			31	Corn Silage		Corn Silage		26		7.5	195				16	68	(112)		275		
Inwood North 4 (T4185-4)	32			31	Corn Silage		Corn Silage		26		7.5	195				16	68	(112)		635		
Inwood North 5 (T4185-5)	5			31	Corn Silage		Corn Silage		26		7.5	195				16	68	(112)		94		
Inwood North 6 (T4185-6)	38				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood North 7 (T4185-7)	20			31	Corn Silage		Corn Silage		26		7.5	195				16	164	(16)	448			
Inwood North 8 (T4185-8)	4				Corn Silage		Corn Silage		26		7.5	195					17	(178)		21		
Inwood North 10 (T4185-10)	6			31	Corn Silage		Corn Silage		26		7.5	195				16	164	(16)	134			
Inwood North 11 (T4185-11)	58.55				Corn Silage		Corn Silage		26		7.5	195					17	(178)		293		
Inwood South 1 (T4187-1E)	73.60			31	Beans	Wheat Straw	Corn Silage	5	26	13.0	7.5	260				16	164	(81)	1619			
Inwood South 2 (T4187-1W)	15.20				Corn Silage		Corn Silage		26		7.5	195					17	(178)		76		
Inwood South 2 (T4187-1W) (A)	69.80				Corn Silage		Alfalfa Hay				45.0	0						0				
Inwood South 2 (T4187-2)	4.16			31	Corn Silage		Corn Silage		26		7.5	195				16	223	44	125			
Inwood South 2 (T4187-2) (A)	0				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood South 3 (T4187-3)	2			31	Corn Silage		Corn Silage		26		7.5	195				16	164	(16)	51			
Inwood South 4 (T4187-4)	1				Alfalfa Hay		Corn Silage		26		7.5	195	50				17	(128)		4		
Inwood South 5 (T4187-5)	3			31	Corn Silage		Corn Silage		26		7.5	195				16	187	8			88	
Inwood South 5 (T4187-5) (A)	1				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood South 1S (T4660-1A)	5			31	Beans	Wheat Straw	Corn Silage	5	26	13.0	7.5	260				16	164	(81)	106			
Inwood South 1S (T4660-1A) (A)	33				Beans	Wheat Straw	Corn Silage	5	26	13.0	7.5	260						(260)				
Inwood South 1SB (T4660-1B)	14				Corn Silage		Alfalfa Hay				45.0	0						0				
Inwood South 2S (T4660-2)	5			31	Alfalfa Hay		Alfalfa Hay				45.0	0	50			16	68	134		109		
Inwood South 3S (T4660-3)	2				Corn Silage		Alfalfa Hay				45.0	0						0				
Inwood South 4S (T4660-4A)	26			31	Corn Silage		Corn Silage		26		7.5	195				16		(180)				
Inwood South 4SB (T4660-4B)	0			31	Alfalfa Hay		Corn Silage		26		7.5	195	50			16		(130)				
Inwood South 4SB (T4660-4B) (A)	7				Alfalfa Hay		Corn Silage		26		7.5	195	50					(145)				
Inwood South 5S (T4660-5)	3				Beans	Wheat Straw	Corn Silage	5	26	13.0	7.5	260						(260)				
Inwood South 5S (T4660-5) (A)	1.70				Beans	Wheat Straw	Corn Silage	5	26	13.0	7.5	260						(260)				
Inwood South 6S (T4660-6)	2				Beans	Wheat Straw	Corn Silage	5	26	13.0	7.5	260					17	(243)		11		
Inwood South 6S (T4660-6) (A)	1.00				Beans	Wheat Straw	Corn Silage	5	26	13.0	7.5	260						(260)				
Inwood South 7SB (T4660-7B)	42.30			33	Corn Silage		Corn Silage		26		7.5	195				17	194	16	1100			
Inwood South 7SB (T4660-7B) (A)	4.70				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood South 7SN (T4660-7N)	0.00			33	Alfalfa Hay	Wheat Straw	Corn Silage	5	26	13.0	7.5	260	50			17		(194)				
Inwood South 7SN (T4660-7N) (A)	5.00				Alfalfa Hay	Wheat Straw	Corn Silage	5	26	13.0	7.5	260	50					(210)				
Inwood South 7SC (T4660-7C)	5.00			33	Beans	Wheat Straw	Corn Silage	5	26	13.0	7.5	260				17	164	(80)	110			
Inwood Farms (T4271-1)	6.51				Beans		Corn Silage		28		7.5	210					17	(193)		33		
Inwood Farms (T4271-1) (A)	2.50				Beans		Corn Silage		28		7.5	210						(210)				
Inwood Farms (T4271-2)	3.89				Beans		Corn Silage		28		7.5	210						(210)				
Inwood Farms (T4271-3)	8.85				Beans		Corn Silage		18		7.5	135				194	59		230			
Inwood Farms (T4271-4)	6.02				Beans		Corn Silage		26		7.5	195				17		(178)		30		
Inwood Farms (T4271-5)	2.83				Beans		Corn Silage		18		7.5	135						(135)				
Zeller's Crest (T1815-1)	37.68				Alfalfa Hay	Alfalfa Hay				45.0	45.0	0	50				194	244	980			
Zeller's Crest (T1815-1) (A)	7.30				Alfalfa Hay		Alfalfa Hay			45.0	45.0	0	50					50				
Zeller's Crest (T1815-2)	11.75				Alfalfa Hay		Alfalfa Hay			45.0	45.0	0	50					50				
Zeller's Crest (T1815-3)	13.89			29	Alfalfa Hay		Alfalfa Hay			45.0	45.0	0	50			15	164	229	306			
65 Acres 1 (T4188-1)	33.68				Alfalfa Hay		Alfalfa Hay			45.0	45.0	0	50				27	77		269		
65 Acres 2 (T4188-2)	0.32				Alfalfa Hay		Alfalfa Hay			45.0	45.0	0	50					50				
65 Acres 3 (T4188-3)	10.71				Alfalfa Hay		Alfalfa Hay			45.0	45.0	0	50					50				
65 Acres (T4659-2)	12.50				Alfalfa Hay		Alfalfa Hay			45.0	45.0	0	50					50				
65 Acres (T4659-4)	6.96				Alfalfa Hay		Alfalfa Hay			45.0	45.0	0	50					50				
																			TOTAL	5208.36	2713.69	87.60
																				10291.64	2186.31	4912.40



CROP YEAR	2006		2007		2008		2009		2009		2009		2009		2009		2009		2009		2009																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	2009		ORGANIC N	ORGANIC N	ORGANIC N	CROP	SPRING	FALL	SPRING	FALL	PAN	PREVIOUS	PREVIOUS	PREVIOUS	PREVIOUS	PREVIOUS	PREVIOUS	PREVIOUS	PREVIOUS	PREVIOUS	PREVIOUS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	FIELD #	ACRES	APPLIED #/ACRE	APPLIED #/ACRE	APPLIED #/ACRE		SPRING CROP	FALL CROP	YIELD GOAL	YIELD GOAL	NITROGEN UPTAKE	NITROGEN UPTAKE	UPTAKE GOAL	CROP N CREDIT	3RD YR CREDIT	2ND YR CREDIT	1ST YR CREDIT	MANURE PAN	TOTAL PAN	DAIRY ANAEROBIC	DAIRY SOLIDS	DAIRY ANAEROBIC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
								UNITS/ACRE	UNITS/ACRE	lb/UNITS	lb/UNITS	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	LIQUID	SOLID	LIQUID																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Inwood North 2 (T4186-2)	-0.02						Corn Silage			26	7.5	195							(195)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood North 2 (T4186-2) (A)	40.29						Corn Silage			26	7.5	195							(195)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood North 1 (T4185-1B)	3.20				22		Corn Silage			26	7.5	195					11		(184)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood North 1 (T4185-1B) (A)	37.70						Corn Silage			26	7.5	195							(195)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood North 2 (T4185-1A)	40.00		31		22		Beans			26	7.5	195			8		11	140	(36)			900																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Inwood North 3 (T4185-2)	2.66						Corn Silage			26	7.5	195							(195)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood North 3 (T4185-3)	13.75		31		22		Corn Silage			26	7.5	195			8		11		(176)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood North 4 (T4185-4)	31.75		31		22		Corn Silage			26	7.5	195			8		11	84	(92)		794																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Inwood North 5 (T4185-5)	4.70		31		22		Corn Silage			26	7.5	195			8		11	84	(92)		118																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Inwood North 6 (T4185-6)	38.05						Corn Silage			26	7.5	195						84	(111)		951																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Inwood North 7 (T4185-7)	20.38		31		51		Corn Silage			26	7.5	195			8		26	137	(25)	375																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Inwood North 8 (T4185-8)	4.22				6		Corn Silage			26	7.5	195					3	34	(158)		42																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Inwood North 10 (T4185-10)	6.09		31		51		Corn Silage			26	7.5	195			8		26	112	(50)	91																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Inwood North 11 (T4185-11)	58.55				6		Corn Silage			26	7.5	195					3	34	(158)		586																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Inwood South 1 (T4187-1E)	73.60				51		Corn Silage			26	7.5	195			8		26	206	44	2039																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Inwood South 2 (T4187-1W)	15.20				6		Corn Silage			26	7.5	195					3	34	(158)		152																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Inwood South 2 (T4187-1W) (A)	69.80						Alfalfa Hay			26	7.5	195	50						(145)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood South 2 (T4187-2)	4.16		31		69		Corn Silage			26	7.5	195			8		35	137	(16)	77																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Inwood South 2 (T4187-2) (A)	0.20						Corn Silage			26	7.5	195							(195)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood South 3 (T4187-3)	2.33		31		51		Corn Silage			26	7.5	195			8		26	192	30	60																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Inwood South 4 (T4187-4)	0.77				6		Corn Silage					45.0	0				3	34	37		8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Inwood South 5 (T4187-5)	2.92		31		69		Corn Silage			26	7.5	195			8		35	164	11	64																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Inwood South 5 (T4187-5) (A)	0.50						Corn Silage			26	7.5	195							(195)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood South 1S (T4660-1A)	4.80		31		51		Corn Silage			26	7.5	195			8		26	164	2	106																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Inwood South 1S (T4660-1A) (A)	32.80						Corn Silage			26	7.5	195							(195)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood South 1SB (T4660-1B)	14.40						Alfalfa Hay			26	7.5	195	50						(145)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood South 2S (T4660-2)	5.47		31		22		Alfalfa Hay				45.0	0	50		8		11	74	143		120																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Inwood South 3S (T4660-3)	1.84						Alfalfa Hay			26	7.5	195	50						(145)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood South 4S (T4660-4A)	26.00		31				Corn Silage			26	7.5	195			8			112	(75)	390																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Inwood South 4SB (T4660-4B)	0.04		31				Corn Silage			26	7.5	195			8			126	(61)		2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Inwood South 4SB (T4660-4B) (A)	7.36						Corn Silage			26	7.5	195							(195)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood South 5S (T4660-5)	3.20						Corn Silage			26	7.5	195							(195)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood South 5S (T4660-5) (A)	1.70						Corn Silage			26	7.5	195							(195)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood South 6S (T4660-6)	2.10				6		Corn Silage			26	7.5	195					3		(192)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood South 6S (T4660-6) (A)	1.00						Corn Silage			26	7.5	195							(195)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood South 7SB (T4660-7B)	42.30		33		60		Corn Silage			26	7.5	195			8		30	78	(79)		973																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Inwood South 7SB (T4660-7B) (A)	4.70						Corn Silage			26	7.5	195							(195)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood South 7SN (T4660-7N)	0.00		33				Corn Silage				45.0	0			8				8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood South 7SN (T4660-7N) (A)	5.00						Corn Silage				45.0	0							0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood South 7SC (T4660-7C)	5.00		33		51		Corn Silage			26	7.5	195			8		26	99	(62)		147																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Inwood Farms (T4271-1)	6.51				6		Corn Silage			28	7.5	210					3		(207)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood Farms (T4271-1) (A)	2.50						Corn Silage			28	7.5	210							(210)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood Farms (T4271-2)	3.89						Corn Silage			28	7.5	210							(210)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood Farms (T4271-3)	8.85				60		Corn Silage			18	7.5	135					30	108	3		283																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Inwood Farms (T4271-4)	6.02				6		Corn Silage			26	7.5	195					3		(192)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Inwood Farms (T4271-5)	2.83						Corn Silage			18	7.5	135							(135)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Zeller's Crest (T1815-1)	37.68				60		Alfalfa Hay	Alfalfa Hay		45.0	45.0	0	50				30	101	181		1130																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Zeller's Crest (T1815-1) (A)	7.30						Alfalfa Hay	Alfalfa Hay		45.0	45.0	0	50						50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Zeller's Crest (T1815-2)	11.75						Alfalfa Hay	Alfalfa Hay		45.0	45.0	0	50						50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Zeller's Crest (T1815-3)	13.89		29		51		Alfalfa Hay	Alfalfa Hay		45.0	45.0	0	50		7		26	127	210	236																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
65 Acres 1 (T4188-1)	33.68				9		Alfalfa Hay	Alfalfa Hay		45.0	45.0	0	50				5		55																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
65 Acres 2 (T4188-2)	0.32						Alfalfa Hay	Alfalfa Hay		45.0	45.0	0	50						50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
65 Acres 3 (T4188-3)	10.71						Alfalfa Hay	Alfalfa Hay		45.0	45.0	0	50						50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
65 Acres (T4659-2)	12.50						Alfalfa Hay	Alfalfa Hay		45.0	45.0	0	50						50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
65 Acres (T4659-4)	6.96						Alfalfa Hay	Alfalfa Hay		45.0	45.0	0	50					127	177	118																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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Five Year Manure Management Plan

CROP YEAR	2007	2008	2009	2009	2010	2010	SPRING	FALL	SPRING	FALL	PAN	PREVIOUS	PREVIOUS	MANURE	ORGANIC N	2010	2010	1	2	3
2010	ORGANIC N	ORGANIC N	ORGANIC N	CROP	SPRING	FALL	YIELD	YIELD	NITROGEN	NITROGEN	UPTAKE	CROP	3RD YR	2ND YR	1ST YR	MANURE	TOTAL	DAIRY	DAIRY	DAIRY
FIELD #	ACRES	#/ACRE	#/ACRE	#/ACRE			UNITS/ACRE	UNITS/ACRE	lb/UNITS	lb/UNITS	lb/ACRE	N CREDIT	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	ANAEROBIC	SOLIDS	ANAEROBIC
Inwood North 2 (T4186-2)	-0.02				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood North 2 (T4186-2) (A)	40.29				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood North 1 (T4185-1B)	3.20		22		Corn Silage	Corn Silage		26		7.5	195			6			(190)			
Inwood North 1 (T4185-1B) (A)	37.70				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood North 2 (T4185-1A)	40.00	31	22	52	Corn Silage	Corn Silage		26		7.5	195		4	6	26	119	(41)	640		
Inwood North 3 (T4185-2)	2.66				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood North 3 (T4185-3)	13.75	31	22		Corn Silage	Corn Silage		26		7.5	195		4	6		119	(67)	220		
Inwood North 4 (T4185-4)	31.75	31	22	27	Corn Silage	Corn Silage		26		7.5	195		4	6	14	119	(53)	508		
Inwood North 5 (T4185-5)	4.70	31	22	27	Corn Silage	Corn Silage		26		7.5	195		4	6	14	119	(53)	75		
Inwood North 6 (T4185-6)	38.05			27	Corn Silage	Corn Silage		26		7.5	195				14		(182)			
Inwood North 7 (T4185-7)	20.38	31	51	42	Corn Silage	Corn Silage		26		7.5	195		4	13	21	107	(50)		673	
Inwood North 8 (T4185-8)	4.22		6	11	Corn Silage	Corn Silage		26		7.5	195			2	6		(188)			
Inwood North 10 (T4185-10)	6.09	31	51	35	Corn Silage	Corn Silage		26		7.5	195		4	13	18	142	(19)	116		
Inwood North 11 (T4185-11)	58.55		6	11	Corn Silage	Corn Silage		26		7.5	195			2	6		(188)			
Inwood South 1 (T4187-1E)	73.60	31	51	64	Corn Silage	Corn Silage		26		7.5	195		4	13	32	119	(27)	1178		
Inwood South 2 (T4187-1W)	15.20		6	11	Corn Silage	Corn Silage		26		7.5	195			2	6		(188)			
Inwood South 2 (T4187-1W) (A)	69.80				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 2 (T4187-2)	4.16	31	69	42	Corn Silage	Corn Silage		26		7.5	195		4	17	21	134	(19)	75		
Inwood South 2 (T4187-2) (A)	0.20				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 3 (T4187-3)	2.33	31	51	59	Corn Silage	Corn Silage		26		7.5	195		4	13	30	134	(15)	42		
Inwood South 4 (T4187-4)	0.77		6	11	Alfalfa Hay	Alfalfa Hay				45.0	0	50		2	6		57			
Inwood South 5 (T4187-5)	2.92	31	69	51	Corn Silage	Corn Silage		26		7.5	195		4	17	26	104	(44)	41		
Inwood South 5 (T4187-5) (A)	0.50				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 1S (T4660-1A)	4.80	31	51	51	Corn Silage	Corn Silage		26		7.5	195		4	13	26	134	(19)	86		
Inwood South 1S (T4660-1A) (A)	32.80				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 1SB (T4660-1B)	14.40				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 2S (T4660-2)	5.47	31	22	24	Alfalfa Hay	Alfalfa Hay				45.0	0	50	4	6	12	72	143		120	
Inwood South 3S (T4660-3)	1.84				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 4S (T4660-4A)	26.00	31		35	Corn Silage	Corn Silage		26		7.5	195		4		18	112	(62)	390		
Inwood South 4SB (T4660-4B)	0.04	31		41	Corn Silage	Corn Silage		26		7.5	195		4		21	122	(49)		2	
Inwood South 4SB (T4660-4B) (A)	7.36				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 5S (T4660-5)	3.20				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 5S (T4660-5) (A)	1.70				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 6S (T4660-6)	2.10		6		Corn Silage	Corn Silage		26		7.5	195			2			(194)			
Inwood South 6S (T4660-6) (A)	1.00				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 7SB (T4660-7B)	42.30	33	60	25	Corn Silage	Corn Silage		26		7.5	195		4	15	13	75	(88)		973	
Inwood South 7SB (T4660-7B) (A)	4.70				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 7SN (T4660-7N)	0.00	33			Alfalfa Hay	Alfalfa Hay				45.0	0	50	4				54			
Inwood South 7SN (T4660-7N) (A)	5.00				Alfalfa Hay	Alfalfa Hay				45.0	0	50					50			
Inwood South 7SC (T4660-7C)	5.00	33	51	32	Corn Silage	Beans		0		0.0	0		4	13	16	95	128		147	
Inwood Farms (T4271-1)	6.51		6		Corn Silage	Beans		0		0.0	0			2			2			
Inwood Farms (T4271-1) (A)	2.50				Corn Silage	Beans		0		0.0	0						0			
Inwood Farms (T4271-2)	3.89				Corn Silage	Beans		0		0.0	0						0			
Inwood Farms (T4271-3)	8.85		60	35	Corn Silage	Beans		0		0.0	0			15	18		33			
Inwood Farms (T4271-4)	6.02		6		Corn Silage	Beans		0		0.0	0			2			2			
Inwood Farms (T4271-5)	2.83				Corn Silage	Beans		0		0.0	0						0			
Zeller's Crest (T1815-1)	37.68		60	33	Alfalfa Hay	Alfalfa Hay			45.0	45.0	0	50		15	17		82			
Zeller's Crest (T1815-1) (A)	7.30				Alfalfa Hay	Alfalfa Hay			45.0	45.0	0	50					50			
Zeller's Crest (T1815-2)	11.75				Alfalfa Hay	Alfalfa Hay			45.0	45.0	0	50					50			
Zeller's Crest (T1815-3)	13.89	29	51	39	Alfalfa Hay	Alfalfa Hay			45.0	45.0	0	50	4	13	20	127	213	236		
65 Acres 1 (T4188-1)	33.68		9		Alfalfa Hay	Alfalfa Hay			45.0	45.0	0	50		2			52			
65 Acres 2 (T4188-2)	0.32				Alfalfa Hay	Alfalfa Hay			45.0	45.0	0	50					50			
65 Acres 3 (T4188-3)	10.71				Alfalfa Hay	Alfalfa Hay			45.0	45.0	0	50					50			
65 Acres (T4659-2)	12.50				Alfalfa Hay	Alfalfa Hay			45.0	45.0	0	50					50			
65 Acres (T4659-4)	6.96			39	Alfalfa Hay	Alfalfa Hay			45.0	45.0	0	50			20	127	197	118		
TOTAL																		3725.06	1913.78	
																		11774.94	2986.22	5000.00



Five Year Manure Management Plan

CROP YEAR 2011	2008 ORGANIC N APPLIED #/ACRE	2009 ORGANIC N APPLIED #/ACRE	2010 ORGANIC N APPLIED #/ACRE	2010 CROP	2011 SPRING CROP	2011 FALL CROP	SPRING YIELD GOAL UNITS/ACRE	FALL YIELD GOAL UNITS/ACRE	SPRING NITROGEN UPTAKE lb/UNITS	FALL NITROGEN UPTAKE lb/UNITS	PAN UPTAKE GOAL lb/ACRE	PREVIOUS CROP N CREDIT lb/ACRE	PREVIOUS 3RD YR CREDIT lb/ACRE	PREVIOUS 2ND YR CREDIT lb/ACRE	PREVIOUS 1ST YR CREDIT lb/ACRE	2011 MANURE PAN lb/ACRE	2011 TOTAL PAN lb/ACRE	1 DAIRY ANAEROBIC LIQUID	2 DAIRY SOLIDS SOLID	3 DAIRY ANAEROBIC LIQUID
FIELD #	ACRES																			
Inwood North 2 (T4186-2)	-0.02				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood North 2 (T4186-2) (A)	40.29				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood North 1 (T4185-1B)	3.20	22			Corn Silage	Corn Silage		26		7.5	195		3				(192)			
Inwood North 1 (T4185-1B) (A)	37.70				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood North 2 (T4185-1A)	40.00	22	52	37	Corn Silage	Corn Silage		26		7.5	195		3	13	19	144	(17)	640		
Inwood North 3 (T4185-2)	2.66				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood North 3 (T4185-3)	13.75	22		37	Corn Silage	Corn Silage		26		7.5	195		3		19	144	(30)	220		
Inwood North 4 (T4185-4)	31.75	22	27	37	Corn Silage	Corn Silage		26		7.5	195		3	7	19	144	(23)	508		
Inwood North 5 (T4185-5)	4.70	22	27	37	Corn Silage	Corn Silage		26		7.5	195		3	7	19	144	(23)	75		
Inwood North 6 (T4185-6)	38.05		27		Corn Silage	Corn Silage		26		7.5	195			7			(188)			
Inwood North 7 (T4185-7)	20.38	51	42	38	Corn Silage	Corn Silage		26		7.5	195		6	11	19	107	(52)		673	
Inwood North 8 (T4185-8)	4.22	6	11		Corn Silage	Corn Silage		26		7.5	195		1	3			(192)			
Inwood North 10 (T4185-10)	6.09	51	35	44	Corn Silage	Corn Silage		26		7.5	195		6	9	22	170	12	116		
Inwood North 11 (T4185-11)	58.55	6	11		Corn Silage	Corn Silage		26		7.5	195		1	3			(192)			
Inwood South 1 (T4187-1E)	73.60	51	64	37	Corn Silage	Corn Silage		26		7.5	195		6	16	19	144	(10)	1178		
Inwood South 2 (T4187-1W)	15.20	6	11		Corn Silage	Corn Silage		26		7.5	195		1	3			(192)			
Inwood South 2 (T4187-1W) (A)	69.80				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 2 (T4187-2)	4.16	69	42	42	Corn Silage	Corn Silage		26		7.5	195		9	11	21	161	6	75		
Inwood South 2 (T4187-2) (A)	0.20				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 3 (T4187-3)	2.33	51	59	42	Corn Silage	Corn Silage		26		7.5	195		6	15	21	161	8	42		
Inwood South 4 (T4187-4)	0.77	6	11		Alfalfa Hay	Alfalfa Hay				45.0	0	50	1	3			54			
Inwood South 5 (T4187-5)	2.92	69	51	32	Corn Silage	Corn Silage		26		7.5	195		9	13	16	126	(32)	41		
Inwood South 5 (T4187-5) (A)	0.50				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 1S (T4660-1A)	4.80	51	51	42	Corn Silage	Wheat Straw	5	26	13.0	7.5	260		6	13	21	161	(59)	86		
Inwood South 1S (T4660-1A) (A)	32.80				Corn Silage	Wheat Straw	5	26	13.0	7.5	260						(260)			
Inwood South 1SB (T4660-1B)	14.40				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 2S (T4660-2)	5.47	22	24	26	Alfalfa Hay	Alfalfa Hay				45.0	0	50	3	6	13	72	144		120	
Inwood South 3S (T4660-3)	1.84				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 4S (T4660-4A)	26.00		35	35	Corn Silage	Corn Silage		26		7.5	195			9	18	135	(34)	390		
Inwood South 4SB (T4660-4B)	0.04		41	44	Corn Silage	Alfalfa Hay				45.0	0			10	22	122	154		2	
Inwood South 4SB (T4660-4B) (A)	7.36				Corn Silage	Alfalfa Hay				45.0	0						0			
Inwood South 5S (T4660-5)	3.20				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 5S (T4660-5) (A)	1.70				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 6S (T4660-6)	2.10	6			Corn Silage	Corn Silage		26		7.5	195		1				(194)			
Inwood South 6S (T4660-6) (A)	1.00				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 7SB (T4660-7B)	42.30	60	25	27	Corn Silage	Corn Silage		26		7.5	195		8	6	14	75	(93)		973	
Inwood South 7SB (T4660-7B) (A)	4.70				Corn Silage	Corn Silage		26		7.5	195						(195)			
Inwood South 7SN (T4660-7N)	0.00				Alfalfa Hay	Alfalfa Hay				45.0	0	50					50			
Inwood South 7SN (T4660-7N) (A)	5.00				Alfalfa Hay	Alfalfa Hay				45.0	0	50					50			
Inwood South 7SC (T4660-7C)	5.00	51	32	34	Beans	Wheat Straw	5	26	13.0	7.5	260		6	8	17	95	(134)		147	
Inwood Farms (T4271-1)	6.51	6			Beans	Wheat Straw	5	28	13.0	7.5	275		1				(274)			
Inwood Farms (T4271-1) (A)	2.50				Beans	Wheat Straw	5	28	13.0	7.5	275						(275)			
Inwood Farms (T4271-2)	3.89				Beans	Wheat Straw	5	28	13.0	7.5	275						(275)			
Inwood Farms (T4271-3)	8.85	60	35		Beans	Wheat Straw	5	18	13.0	7.5	200		8	9		104	(80)		283	
Inwood Farms (T4271-4)	6.02	6			Beans	Wheat Straw	5	26	13.0	7.5	260		1				(259)			
Inwood Farms (T4271-5)	2.83				Beans	Wheat Straw	5	18	13.0	7.5	200						(200)			
Zeller's Crest (T1815-1)	37.68	60	33		Alfalfa Hay	Alfalfa Hay			45.0	45.0	0	50	8	8		98	164		1130	
Zeller's Crest (T1815-1) (A)	7.30				Alfalfa Hay	Alfalfa Hay			45.0	45.0	0	50					50			
Zeller's Crest (T1815-2)	11.75				Alfalfa Hay	Alfalfa Hay			45.0	45.0	0	50					50			
Zeller's Crest (T1815-3)	13.89	51	39	39	Alfalfa Hay	Alfalfa Hay			45.0	45.0	0	50	6	10	20	153	239	236		
65 Acres 1 (T4188-1)	33.68	9			Alfalfa Hay	Alfalfa Hay			45.0	45.0	0	50	1				51			
65 Acres 2 (T4188-2)	0.32				Alfalfa Hay	Alfalfa Hay			45.0	45.0	0	50					50			
65 Acres 3 (T4188-3)	10.71				Alfalfa Hay	Alfalfa Hay			45.0	45.0	0	50					50			
65 Acres (T4659-2)	12.50				Alfalfa Hay	Alfalfa Hay			45.0	45.0	0	50					50			
65 Acres (T4659-4)	6.96		39	39	Alfalfa Hay	Alfalfa Hay			45.0	45.0	0	50		10	20	153	232	118		
TOTAL																		3725.06	3327.38	
																		14774.94	1572.62	5000.00



Five Year Manure Management Plan

CROP YEAR 2012		2009 ORGANIC N APPLIED #/ACRE	2010 ORGANIC N APPLIED #/ACRE	2011 ORGANIC N APPLIED #/ACRE	2011 CROP	2012 SPRING CROP	2012 FALL CROP	SPRING YIELD GOAL UNITS/ACRE	FALL YIELD GOAL UNITS/ACRE	SPRING NITROGEN UPTAKE lb/UNITS	FALL NITROGEN UPTAKE lb/UNITS	PAN UPTAKE GOAL lb/ACRE	PREVIOUS CROP N CREDIT lb/ACRE	PREVIOUS 3RD YR CREDIT lb/ACRE	PREVIOUS 2ND YR CREDIT lb/ACRE	PREVIOUS 1ST YR CREDIT lb/ACRE	2012 MANURE PAN lb/ACRE	2012 TOTAL PAN lb/ACRE	1 DAIRY ANAEROBIC LIQUID	2 DAIRY SOLIDS SOLID	3 DAIRY ANAEROBIC LIQUID	
FIELD #	ACRES																					
Inwood North 2 (T4186-2)	-0.02				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood North 2 (T4186-2) (A)	40.29				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood North 1 (T4185-1B)	3.20				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood North 1 (T4185-1B) (A)	37.70				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood North 2 (T4185-1A)	40.00	52	37	37	Corn Silage		Corn Silage		26		7.5	195		7	9	19	144	(17)	640			
Inwood North 3 (T4185-2)	2.66				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood North 3 (T4185-3)	13.75		37	37	Corn Silage		Corn Silage		26		7.5	195			9	19	144	(23)	220			
Inwood North 4 (T4185-4)	31.75	27	37	37	Corn Silage		Corn Silage		26		7.5	195		3	9	19	144	(20)	508			
Inwood North 5 (T4185-5)	4.70	27	37	37	Corn Silage		Corn Silage		26		7.5	195		3	9	19	144	(20)	75			
Inwood North 6 (T4185-6)	38.05	27			Corn Silage		Corn Silage		26		7.5	195		3				(192)				
Inwood North 7 (T4185-7)	20.38	42	38	38	Corn Silage		Corn Silage		26		7.5	195		5	10	19	107	(54)		673		
Inwood North 8 (T4185-8)	4.22	11			Corn Silage		Corn Silage		26		7.5	195		1				(194)				
Inwood North 10 (T4185-10)	6.09	35	44	44	Corn Silage		Corn Silage		26		7.5	195		4	11	22	170	12	116			
Inwood North 11 (T4185-11)	58.55	11			Corn Silage		Corn Silage		26		7.5	195		1				(194)				
Inwood South 1 (T4187-1E)	73.60	64	37	37	Corn Silage		Corn Silage		26		7.5	195		8	9	19	144	(15)	1178			
Inwood South 2 (T4187-1W)	15.20	11			Corn Silage		Corn Silage		26		7.5	195		1				(194)				
Inwood South 2 (T4187-1W) (A)	69.80				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood South 2 (T4187-2)	4.16	42	42	42	Corn Silage		Corn Silage		26		7.5	195		5	11	21	161	3	75			
Inwood South 2 (T4187-2) (A)	0.20				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood South 3 (T4187-3)	2.33	59	42	42	Corn Silage		Corn Silage		26		7.5	195		7	11	21	161	5	42			
Inwood South 4 (T4187-4)	0.77	11			Alfalfa Hay		Alfalfa Hay				45.0	0	50	1				51				
Inwood South 5 (T4187-5)	2.92	51	32	32	Corn Silage		Corn Silage		26		7.5	195		6	8	16	126	(39)	41			
Inwood South 5 (T4187-5) (A)	0.50				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood South 1S (T4660-1A)	4.80	51	42	42	Corn Silage		Corn Silage		26		7.5	195		6	11	21	161	4	86			
Inwood South 1S (T4660-1A) (A)	32.80				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood South 1SB (T4660-1B)	14.40				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood South 2S (T4660-2)	5.47	24	26	26	Alfalfa Hay		Alfalfa Hay				45.0	0	50	3	7	13	72	145		120		
Inwood South 3S (T4660-3)	1.84				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood South 4S (T4660-4A)	26.00	35	35	35	Corn Silage		Corn Silage		26		7.5	195		4	9	18	135	(29)	390			
Inwood South 4SB (T4660-4B)	0.04	41	44	44	Alfalfa Hay		Alfalfa Hay				45.0	0	50	5	11	22	122	210		2		
Inwood South 4SB (T4660-4B) (A)	7.36				Alfalfa Hay		Alfalfa Hay				45.0	0	50					50				
Inwood South 5S (T4660-5)	3.20				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood South 5S (T4660-5) (A)	1.70				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood South 6S (T4660-6)	2.10				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood South 6S (T4660-6) (A)	1.00				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood South 7SB (T4660-7B)	42.30	25	27	27	Corn Silage		Corn Silage		26		7.5	195		3	7	14	75	(97)		973		
Inwood South 7SB (T4660-7B) (A)	4.70				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood South 7SN (T4660-7N)	0.00				Alfalfa Hay		Alfalfa Hay				45.0	0	50					50				
Inwood South 7SN (T4660-7N) (A)	5.00				Alfalfa Hay		Alfalfa Hay				45.0	0	50					50				
Inwood South 7SC (T4660-7C)	5.00	32	34	34	Corn Silage		Corn Silage		26		7.5	195		4	9	17	95	(71)		147		
Inwood Farms (T4271-1)	6.51				Corn Silage		Corn Silage		28		7.5	210						(210)				
Inwood Farms (T4271-1) (A)	2.50				Corn Silage		Corn Silage		28		7.5	210						(210)				
Inwood Farms (T4271-2)	3.89				Corn Silage		Corn Silage		28		7.5	210						(210)				
Inwood Farms (T4271-3)	8.85	35		37	Corn Silage		Corn Silage		18		7.5	135		4		19	104	(8)		283		
Inwood Farms (T4271-4)	6.02				Corn Silage		Corn Silage		26		7.5	195						(195)				
Inwood Farms (T4271-5)	2.83				Corn Silage		Corn Silage		18		7.5	135						(135)				
Zeller's Crest (T1815-1)	37.68	33		35	Alfalfa Hay	Alfalfa Hay				45.0	45.0	0	50	4		18	98	170		1130		
Zeller's Crest (T1815-1) (A)	7.30				Alfalfa Hay	Alfalfa Hay				45.0	45.0	0	50					50				
Zeller's Crest (T1815-2)	11.75				Alfalfa Hay	Alfalfa Hay				45.0	45.0	0	50					50				
Zeller's Crest (T1815-3)	13.89	39	39	39	Alfalfa Hay	Alfalfa Hay				45.0	45.0	0	50	5	10	20	153	237	236			
65 Acres 1 (T4188-1)	33.68				Alfalfa Hay	Alfalfa Hay				45.0	45.0	0	50					50				
65 Acres 2 (T4188-2)	0.32				Alfalfa Hay	Alfalfa Hay				45.0	45.0	0	50					50				
65 Acres 3 (T4188-3)	10.71				Alfalfa Hay	Alfalfa Hay				45.0	45.0	0	50					50				
65 Acres (T4659-2)	12.50				Alfalfa Hay	Alfalfa Hay				45.0	45.0	0	50					50				
65 Acres (T4659-4)	6.96	39	39	39	Alfalfa Hay	Alfalfa Hay				45.0	45.0	0	50	5	10	20	153	237	118			
TOTAL																				3725.06	3327.38	
																				14774.94	1572.62	5000.00



Five Year Manure Management Plan

CROP YEAR 2013		2010 ORGANIC N APPLIED	2011 ORGANIC N APPLIED	2012 ORGANIC N APPLIED	2012 CROP	2013 SPRING CROP	2013 FALL CROP	SPRING YIELD GOAL	FALL YIELD GOAL	SPRING NITROGEN UPTAKE	FALL NITROGEN UPTAKE	PAN UPTAKE GOAL	PREVIOUS CROP N CREDIT	PREVIOUS 3RD YR CREDIT	PREVIOUS 2ND YR CREDIT	PREVIOUS 1ST YR CREDIT	2013 MANURE PAN	2013 TOTAL PAN	1 DAIRY ANAEROBIC LIQUID	2 DAIRY SOLIDS SOLID	3 DAIRY ANAEROBIC LIQUID
FIELD #	ACRES	#/ACRE	#/ACRE	#/ACRE				UNITS/ACRE	UNITS/ACRE	lb/UNITS	lb/UNITS	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE			
Inwood North 2 (T4186-2)	-0.02				Corn Silage		Corn Silage	26	7.5	195								(195)			
Inwood North 2 (T4186-2) (A)	40.29				Corn Silage		Corn Silage	26	7.5	195								(195)			
Inwood North 1 (T4185-1B)	3.20				Corn Silage		Corn Silage	26	7.5	195								(195)			
Inwood North 1 (T4185-1B) (A)	37.70				Corn Silage		Corn Silage	26	7.5	195								(195)			
Inwood North 2 (T4185-1A)	40.00	37	37	37	Corn Silage		Corn Silage	26	7.5	195				5	9	19	144	(19)	640		
Inwood North 3 (T4185-2)	2.66				Corn Silage		Corn Silage	26	7.5	195								(195)			
Inwood North 3 (T4185-3)	13.75	37	37	37	Corn Silage		Corn Silage	26	7.5	195				5	9	19	144	(19)	220		
Inwood North 4 (T4185-4)	31.75	37	37	37	Corn Silage		Corn Silage	26	7.5	195				5	9	19	144	(19)	508		
Inwood North 5 (T4185-5)	4.70	37	37	37	Corn Silage		Corn Silage	26	7.5	195				5	9	19	144	(19)	75		
Inwood North 6 (T4185-6)	38.05				Corn Silage		Corn Silage	26	7.5	195								(195)			
Inwood North 7 (T4185-7)	20.38	38	38	38	Corn Silage		Corn Silage	26	7.5	195				5	10	19	107	(55)		673	
Inwood North 8 (T4185-8)	4.22				Corn Silage		Corn Silage	26	7.5	195								(195)			
Inwood North 10 (T4185-10)	6.09	44	44	44	Corn Silage		Corn Silage	26	7.5	195				6	11	22	170	14	116		
Inwood North 11 (T4185-11)	58.55				Corn Silage		Corn Silage	26	7.5	195								(195)			
Inwood South 1 (T4187-1E)	73.60	37	37	37	Corn Silage		Beans	0	0.0	0				5	9	19	144	176	1178		
Inwood South 2 (T4187-1W)	15.20				Corn Silage		Corn Silage	26	7.5	195								(195)			
Inwood South 2 (T4187-1W) (A)	69.80				Corn Silage		Corn Silage	26	7.5	195								(195)			
Inwood South 2 (T4187-2)	4.16	42	42	42	Corn Silage		Corn Silage	26	7.5	195				5	11	21	161	3	75		
Inwood South 2 (T4187-2) (A)	0.20				Corn Silage		Corn Silage	26	7.5	195								(195)			
Inwood South 3 (T4187-3)	2.33	42	42	42	Corn Silage		Corn Silage	26	7.5	195				5	11	21	161	3	42		
Inwood South 4 (T4187-4)	0.77				Alfalfa Hay		Alfalfa Hay		45.0	0			50					50			
Inwood South 5 (T4187-5)	2.92	32	32	32	Corn Silage		Corn Silage	26	7.5	195				4	8	16	126	(41)	41		
Inwood South 5 (T4187-5) (A)	0.50				Corn Silage		Corn Silage	26	7.5	195								(195)			
Inwood South 1S (T4660-1A)	4.80	42	42	42	Corn Silage		Beans	0	0.0	0				5	11	21	161	198	86		
Inwood South 1S (T4660-1A) (A)	32.80				Corn Silage		Beans	0	0.0	0								0			
Inwood South 1SB (T4660-1B)	14.40				Corn Silage		Corn Silage	26	7.5	195								(195)			
Inwood South 2S (T4660-2)	5.47	26	26	26	Alfalfa Hay		Alfalfa Hay		45.0	0			50	3	7	13	72	145		120	
Inwood South 3S (T4660-3)	1.84				Corn Silage		Corn Silage	26	7.5	195								(195)			
Inwood South 4S (T4660-4A)	26.00	35	35	35	Corn Silage		Corn Silage	26	7.5	195				4	9	18	135	(29)	390		
Inwood South 4SB (T4660-4B)	0.04	44	44	44	Alfalfa Hay		Alfalfa Hay		45.0	0			50	6	11	22	122	211		2	
Inwood South 4SB (T4660-4B) (A)	7.36				Alfalfa Hay		Alfalfa Hay		45.0	0			50					50			
Inwood South 5S (T4660-5)	3.20				Corn Silage		Corn Silage	26	7.5	195								(195)			
Inwood South 5S (T4660-5) (A)	1.70				Corn Silage		Beans	0	0.0	0								0			
Inwood South 6S (T4660-6)	2.10				Corn Silage		Beans	0	0.0	0								0			
Inwood South 6S (T4660-6) (A)	1.00				Corn Silage		Beans	0	0.0	0								0			
Inwood South 7SB (T4660-7B)	42.30	27	27	27	Corn Silage		Beans	0	0.0	0				3	7	14	75	99		973	
Inwood South 7SB (T4660-7B) (A)	4.70				Corn Silage		Beans	0	0.0	0								0			
Inwood South 7SN (T4660-7N)	0.00				Alfalfa Hay		Alfalfa Hay		45.0	0			50					50			
Inwood South 7SN (T4660-7N) (A)	5.00				Alfalfa Hay		Alfalfa Hay		45.0	0			50					50			
Inwood South 7SC (T4660-7C)	5.00	34	34	34	Corn Silage		Beans	0	0.0	0				4	9	17	95	125		147	
Inwood Farms (T4271-1)	6.51				Corn Silage		Beans	0	0.0	0								0			
Inwood Farms (T4271-1) (A)	2.50				Corn Silage		Beans	0	0.0	0								0			
Inwood Farms (T4271-2)	3.89				Corn Silage		Beans	0	0.0	0								0			
Inwood Farms (T4271-3)	8.85		37	37	Corn Silage		Beans	0	0.0	0					9	19	104	132		283	
Inwood Farms (T4271-4)	6.02				Corn Silage		Beans	0	0.0	0								0			
Inwood Farms (T4271-5)	2.83				Corn Silage		Beans	0	0.0	0								0			
Zeller's Crest (T1815-1)	37.68		35	35	Alfalfa Hay	Alfalfa Hay		45.0	45.0	0			50		9	18	98	174		1130	
Zeller's Crest (T1815-1) (A)	7.30				Alfalfa Hay	Alfalfa Hay		45.0	45.0	0			50					50			
Zeller's Crest (T1815-2)	11.75				Alfalfa Hay	Alfalfa Hay		45.0	45.0	0			50					50			
Zeller's Crest (T1815-3)	13.89	39	39	39	Alfalfa Hay	Alfalfa Hay		45.0	45.0	0			50	5	10	20	153	237	236		
65 Acres 1 (T4188-1)	33.68				Alfalfa Hay	Alfalfa Hay		45.0	45.0	0			50					50			
65 Acres 2 (T4188-2)	0.32				Alfalfa Hay	Alfalfa Hay		45.0	45.0	0			50					50			
65 Acres 3 (T4188-3)	10.71				Alfalfa Hay	Alfalfa Hay		45.0	45.0	0			50					50			
65 Acres (T4659-2)	12.50				Alfalfa Hay	Alfalfa Hay		45.0	45.0	0			50					50			
65 Acres (T4659-4)	6.96	39	39	39	Alfalfa Hay	Alfalfa Hay		45.0	45.0	0			50	5	10	20	153	237	118		
TOTAL																			3725.06	3327.38	5000.00
																			14774.94	1572.62	

## MEDIAN SOIL TEST DATA

	2005 SOIL TEST				2006 SOIL TEST				2007 SOIL TEST				2008 SOIL TEST				2009 SOIL TEST				2010 SOIL TEST				2011 SOIL TEST				2012 SOIL TEST				2013 SOIL TEST			
	% OM	P	K	PH	% OM	P	K	PH	% OM	P	K	PH	% OM	P	K	PH	% OM	P	K	PH	% OM	P	K	PH	% OM	P	K	PH	% OM	P	K	PH				
FIELD NAME	%	LB/AC	LB/AC		%	LB/AC	LB/AC		%	LB/AC	LB/AC		%	LB/AC	LB/AC		%	LB/AC	LB/AC		%	LB/AC	LB/AC		%	LB/AC	LB/AC		%	LB/AC	LB/AC					
Inwood North 2 (T4186-2)													#####	36	348	7.4	#####	24	303	7.8																
Inwood North 2 (T4186-2) (A)													#####	36	348	7.4	#####	24	303	7.8																
Inwood North 1 (T4185-1B)													#####	46	386	7.1	#####	39	385	7.3																
Inwood North 1 (T4185-1B) (A)													#####	46	386	7.1	#####	39	385	7.3																
Inwood North 2 (T4185-1A)													#####	46	386	7.1	2.30%	35	373	7.3																
Inwood North 3 (T4185-2)													#####	34	356	6.8	2.00%	22	303	7.8																
Inwood North 3 (T4185-3)													#####	30	328	6.6	2.30%	26	278	6.6																
Inwood North 4 (T4185-4)													#####	34	356	6.7	2.60%	42	362	6.9																
Inwood North 5 (T4185-5)													2.35	18	326	7.8	0.022	15	288	7.8																
Inwood North 6 (T4185-6)													#####	30	320	6.9	2.50%	32	392	7.6																
Inwood North 7 (T4185-7)													2.2	39	359	7.9	0.026	46	440	7.8																
Inwood North 8 (T4185-8)													2.55	34	358	6.7	0.03	73	246.5	7.4																
Inwood North 10 (T4185-10)													2.5	32	359	7.45	0.023	20	340	6.8																
Inwood North 11 (T4185-11)													2.4	34	392	7.4	0.022	34	430	7.5																
Inwood South 1 (T4187-1E)													2.3	32	357	7.1	0.023	48	452	7.3																
Inwood South 2 (T4187-1W)													2.2	32	362	7.4																				
Inwood South 2 (T4187-1W) (A)													2.2	32	362	7.4																				
Inwood South 2 (T4187-2)													2.2	43	331	6.5	0.022	26	329	6.7																
Inwood South 2 (T4187-2) (A)													2.2	43	331	6.5	0.022	26	329	6.7																
Inwood South 3 (T4187-3)													2.1	64	362	6.3	0.025	16	324	6.3																
Inwood South 4 (T4187-4)													2.3	16	250	7																				
Inwood South 5 (T4187-5)													1.8	38	280	7.5	0.022	22	334	7.3																
Inwood South 5 (T4187-5) (A)													1.8	38	280	7.5																				
Inwood South 1S (T4660-1A)													2.4	39	378	7.3																				
Inwood South 1S (T4660-1A) (A)													2.4	39	378	7.3																				
Inwood South 1SB (T4660-1B)													2.4	39	378	7.3																				
Inwood South 2S (T4660-2)													2	32	302	7.1																				
Inwood South 3S (T4660-3)													1.9	34	188	7.6																				
Inwood South 4S (T4660-4A)													2.2	26	466	7.5	0.022	34	499	7.7																
Inwood South 4SB (T4660-4B)													2.2	26	466	7.5	0.022	34	499	7.7																
Inwood South 4SB (T4660-4B) (A)													2.2	26	466	7.5	0.022	34	499	7.7																
Inwood South 5S (T4660-5)													2.5	30	352	352																				
Inwood South 5S (T4660-5) (A)													2.5	30	352	352																				
Inwood South 6S (T4660-6)													2	32	302	7.1																				
Inwood South 6S (T4660-6) (A)													2	32	302	7.1																				
Inwood South 7SB (T4660-7B)													2.2	34	392	7.4	0.019	34	454	7.6																
Inwood South 7SB (T4660-7B) (A)													2.2	34	392	7.4	0.019	34	454	7.6																
Inwood South 7SN (T4660-7N)													2.4	26	406	6.7	0.019	34	454	7.6																
Inwood South 7SN (T4660-7N) (A)													2.4	26	406	6.7	0.019	34	454	7.6																
Inwood South 7SC (T4660-7C)													2.2	34	392	7.4	0.019	34	454	7.6																
Inwood Farms (T4271-1)													2.3	26	222	6.6	0.022	17	294	6.7																
Inwood Farms (T4271-1) (A)													2.3	26	222	6.6	0.022	17	294	6.7																
Inwood Farms (T4271-2)													2.4	36	266	7.2	0.033	40	284	7.2																
Inwood Farms (T4271-3)													1.9	16	268	6.5	0.025	32	336	6.3																
Inwood Farms (T4271-4)													2.6	196	490	6.7	2.5	94	601	7.2																
Inwood Farms (T4271-5)													2.8	48	252	6.5	2.4	16	262	7																
Zeller's Crest (T1815-1)	2.9	150	430	6.8										70	300																					
Zeller's Crest (T1815-1) (A)	2.9	150	430	6.8										70	300																					
Zeller's Crest (T1815-2)	3	186	452	6.6										70	300																					
Zeller's Crest (T1815-3)	2.9	122	210	6.5										70	300																					
65 Acres 1 (T4188-1)														70	300																					
65 Acres 2 (T4188-2)														70	300																					
65 Acres 3 (T4188-3)														70	300																					
65 Acres (T4659-2)														70	300																					
65 Acres (T4659-4)														70	300																					



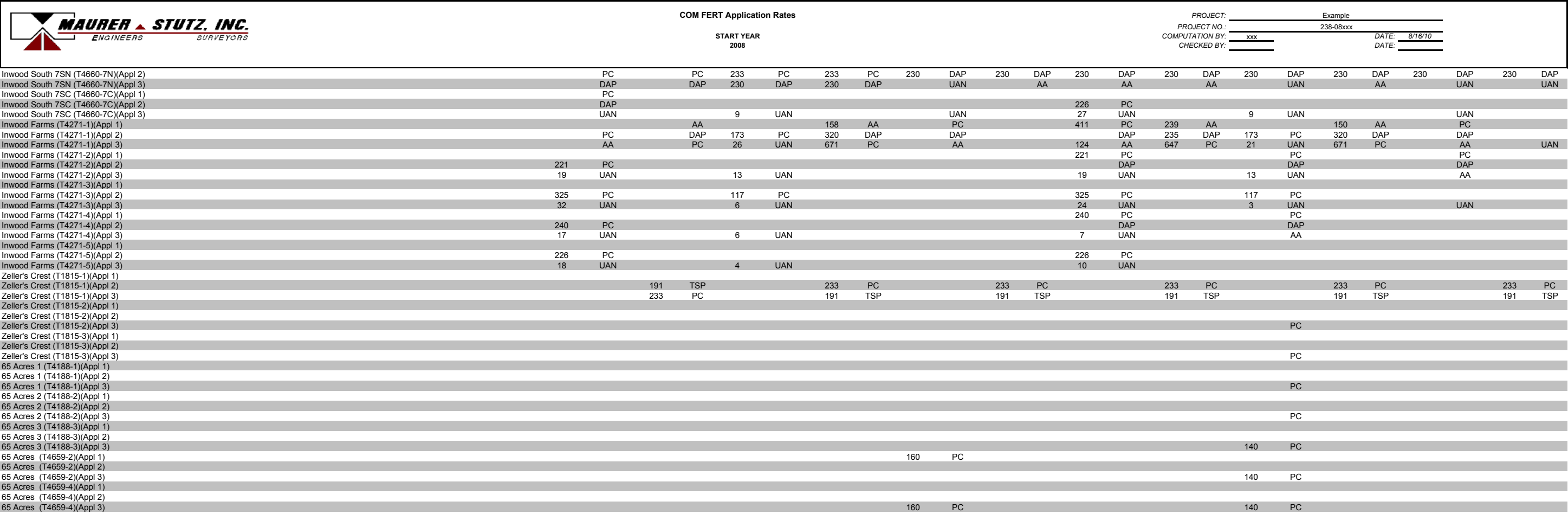


## COM FERT Application Rates

**START YEAR**  
2008

PROJECT:	Example	
PROJECT NO.:	238-08xxx	
COMPUTATION BY:	xxx	DATE: 8/16/10
CHECKED BY:		DATE:

[illegible]



# ANNUAL NUTRIENT BALANCE

CROP YEAR 2008

FIELD #	CROP	ACRES	SOIL TEST RESULTS				AVAILABLE FROM MANURE			NEEDED BY CROP			COMMERCIAL			SOIL BALANCE		
			% OM	P	K	PH	PAN	P205	K20	PAN	P205	K20	N	P205	K20	ORG N	P	K
Inwood North 2 (T4186-2)	/ Corn Silage	-0.02	2.3	36	348	7.4				195	70	182	159			0	28	303
Inwood North 2 (T4186-2) (A)	/ Corn Silage	40.29	2.3	36	348	7.4				195	70	182				0	28	303
Inwood North 1 (T4185-1B)	/ Corn Silage	3.2	2.5	46	386	7.1	68	42	92	195	70	182				11	43	364
Inwood North 1 (T4185-1B) (A)	/ Corn Silage	37.7	2.5	46	386	7.1				195	70	182	159			0	38	341
Inwood North 2 (T4185-1A)	/ Beans	40	2.5	46	386	7.1	68	42	92	0	0	0				19	51	409
Inwood North 3 (T4185-2)	/ Corn Silage	2.66	2.7	34	356	6.8				195	70	182				0	26	311
Inwood North 3 (T4185-3)	/ Corn Silage	13.75	2.5	30	328	6.6	68	42	92	195	70	182				19	27	306
Inwood North 4 (T4185-4)	/ Corn Silage	31.75	2.7	34	356	6.7	68	42	92	195	70	182				19	31	334
Inwood North 5 (T4185-5)	/ Corn Silage	4.7	2.4	18	326	7.8	68	42	92	195	70	182				19	15	304
Inwood North 6 (T4185-6)	/ Corn Silage	38.05	2.0	30	320	6.9				195	70	182				0	22	275
Inwood North 7 (T4185-7)	/ Corn Silage	20.38	2.2	39	359	7.9	164	33	247	195	70	182				33	35	375
Inwood North 8 (T4185-8)	/ Corn Silage	4.22	2.6	34	358	6.7	17	11	23	195	70	182				3	27	318
Inwood North 10 (T4185-10)	/ Corn Silage	6.09	2.5	32	359	7.5	164	33	247	195	70	182				33	28	375
Inwood North 11 (T4185-11)	/ Corn Silage	58.55	2.4	34	392	7.4	17	11	23	195	70	182				3	27	352
Inwood South 1 (T4187-1E)	Wheat Straw / Corn Silage	73.6	2.3	32	357	7.1	164	33	247	260	90	332				33	26	336
Inwood South 2 (T4187-1W)	/ Corn Silage	15.2	2.2	32	362	7.4	17	11	23	195	70	182	59			3	25	322
Inwood South 2 (T4187-1W) (A)	/ Alfalfa Hay	69.8	2.2	32	362	7.4				0	0	0	101			0	32	362
Inwood South 2 (T4187-2)	/ Corn Silage	4.16	2.2	43	331	6.5	223	45	337	195	70	182	159			42	40	370
Inwood South 2 (T4187-2) (A)	/ Corn Silage	0.2	2.2	43	331	6.5				195	70	182				0	35	286
Inwood South 3 (T4187-3)	/ Corn Silage	2.33	2.1	64	362	6.3	164	33	247	195	70	182				33	60	378
Inwood South 4 (T4187-4)	/ Corn Silage	0.77	2.3	16	250	7.0	17	11	23	145	70	182				3	9	210
Inwood South 5 (T4187-5)	/ Corn Silage	2.92	1.8	38	280	7.5	187	45	335	195	70	182				42	35	318
Inwood South 5 (T4187-5) (A)	/ Corn Silage	0.5	1.8	38	280	7.5				195	70	182			123	0	30	265
Inwood South 1S (T4660-1A)	Wheat Straw / Corn Silage	4.8	2.4	39	378	7.3	164	33	247	260	90	332	42	105	140	33	44	392
Inwood South 1S (T4660-1A) (A)	Wheat Straw / Corn Silage	32.8	2.4	39	378	7.3				260	90	332				0	29	295
Inwood South 1SB (T4660-1B)	/ Alfalfa Hay	14.4	2.4	39	378	7.3				0	0	0				0	39	378
Inwood South 2S (T4660-2)	/ Alfalfa Hay	5.47	2.0	32	302	7.1	68	42	92	(50)	0	0				19	37	325
Inwood South 3S (T4660-3)	/ Alfalfa Hay	1.84	1.9	34	188	7.6				0	0	0				0	34	188
Inwood South 4S (T4660-4A)	/ Corn Silage	26	2.2	26	466	7.5				195	70	182				8	18	421
Inwood South 4SB (T4660-4B)	/ Corn Silage	0.04	2.2	26	466	7.5				145	70	182				8	18	421
Inwood South 4SB (T4660-4B) (A)	/ Corn Silage	7.36	2.2	26	466	7.5				145	70	182	59		133	0	18	454
Inwood South 5S (T4660-5)	Wheat Straw / Corn Silage	3.2	2.5	30	352	352.0				260	90	332	100		195	0	20	318
Inwood South 5S (T4660-5) (A)	Wheat Straw / Corn Silage	1.7	2.5	30	352	352.0				260	90	332	53		144	0	20	305
Inwood South 6S (T4660-6)	Wheat Straw / Corn Silage	2.1	2.0	32	302	7.1	17	11	23	260	90	332	56		136	3	23	259
Inwood South 6S (T4660-6) (A)	Wheat Straw / Corn Silage	1	2.0	32	302	7.1				260	90	332				0	22	219
Inwood South 7SB (T4660-7B)	/ Corn Silage	42.3	2.2	34	392	7.4	194	39	292	195	70	182				38	31	420
Inwood South 7SB (T4660-7B) (A)	/ Corn Silage	4.7	2.2	34	392	7.4				195	70	182				0	26	347
Inwood South 7SN (T4660-7N)	Wheat Straw / Corn Silage	0	2.4	26	406	6.7				210	90	332				8	16	323
Inwood South 7SN (T4660-7N) (A)	Wheat Straw / Corn Silage	5	2.4	26	406	6.7				210	90	332				0	16	323
Inwood South 7SC (T4660-7C)	Wheat Straw / Corn Silage	5	2.2	34	392	7.4	164	33	247	260	90	332				34	28	371
Inwood Farms (T4271-1)	/ Corn Silage	6.51	2.3	26	222	6.6	17	11	23	210	76	196				3	19	179
Inwood Farms (T4271-1) (A)	/ Corn Silage	2.5	2.3	26	222	6.6				210	76	196				0	18	173
Inwood Farms (T4271-2)	/ Corn Silage	3.89	2.4	36	266	7.2				210	76	196				0	28	217
Inwood Farms (T4271-3)	/ Corn Silage	8.85	1.9	16	268	6.5	194	39	292	135	49	126				30	15	310
Inwood Farms (T4271-4)	/ Corn Silage	6.02	2.6	196	490	6.7	17	11	23	195	70	182				3	189	450
Inwood Farms (T4271-5)	/ Corn Silage	2.83	2.8	48	252	6.5				135	49	126				0	43	221
Zeller's Crest (T1815-1)	Alfalfa Hay /	37.68	2.9	150	430	6.8	194	39	292	(50)	0	0				30	154	503
Zeller's Crest (T1815-1) (A)	Alfalfa Hay /	7.3	2.9	150	430	6.8				(50)	0	0				0	150	430
Zeller's Crest (T1815-2)	Alfalfa Hay /	11.75	2.9	150	430	6.8				(50)	0	0				0	186	452

Soil Balance Calculation based on App C of the NRCS Std (633)



## ANNUAL NUTRIENT BALANCE

Zeller's Crest (T1815-3)	Alfalfa Hay /	13.89	2.9	122	210	6.5	164	33	247	(50)	0	0	33	126	272
65 Acres 1 (T4188-1)	Alfalfa Hay /	33.68		70	300		27	17	37	(50)	0	0	5	72	309
65 Acres 2 (T4188-2)	Alfalfa Hay /	0.32		70	300					(50)	0	0	0	70	300
65 Acres 3 (T4188-3)	Alfalfa Hay /	10.71		70	300					(50)	0	0	0	70	300
65 Acres (T4659-2)	Alfalfa Hay /	12.5		70	300					(50)	0	0	0	70	300
65 Acres (T4659-4)	Alfalfa Hay /	6.96		70	300					(50)	0	0	0	70	300

## ANNUAL NUTRIENT BALANCE

CROP YEAR 2009

FIELD #	CROP	ACRES	SOIL TEST RESULTS				AVAILABLE FROM MANURE			NEEDED BY CROP			COMMERCIAL			SOIL BALANCE		
			% OM	P	K	PH	PAN	P205	K20	PAN	P205	K20	N	P2O5	K2O	ORG N	P	K
Inwood North 2 (T4186-2)	/ Corn Silage	-0.02	2.0	24	303	7.8				195	70	182	180	81	226	0	25	314
Inwood North 2 (T4186-2) (A)	/ Corn Silage	40.29	2.0	24	303	7.8				195	70	182	181	78	226	0	25	314
Inwood North 1 (T4185-1B)	/ Corn Silage	3.2	2.3	39	385	7.3				195	70	182	38			6	31	340
Inwood North 1 (T4185-1B) (A)	/ Corn Silage	37.7	2.3	39	385	7.3				195	70	182				0	31	340
Inwood North 2 (T4185-1A)	/ Corn Silage	40	0.0	35	373	7.3	140	34	254	195	70	182				35	31	391
Inwood North 3 (T4185-2)	/ Corn Silage	2.66	0.0	22	303	7.8				195	70	182				0	14	258
Inwood North 3 (T4185-3)	/ Corn Silage	13.75	0.0	26	278	6.6				195	70	182				9	18	233
Inwood North 4 (T4185-4)	/ Corn Silage	31.75	0.0	42	362	6.9	84	52	114	195	70	182				23	40	345
Inwood North 5 (T4185-5)	/ Corn Silage	4.7	0.0	15	288	7.8	84	52	114	195	70	182	10			23	13	271
Inwood North 6 (T4185-6)	/ Corn Silage	38.05	0.0	32	392	7.6	84	52	114	195	70	182				14	30	375
Inwood North 7 (T4185-7)	/ Corn Silage	20.38	0.0	46	440	7.8	137	28	207	195	70	182				38	41	446
Inwood North 8 (T4185-8)	/ Corn Silage	4.22	0.0	73	247	7.4	34	21	46	195	70	182				7	68	213
Inwood North 10 (T4185-10)	/ Corn Silage	6.09	0.0	20	340	6.8	112	23	169	195	70	182	22			34	15	337
Inwood North 11 (T4185-11)	/ Corn Silage	58.55	0.0	34	430	7.5	34	21	46	195	70	182				7	29	396
Inwood South 1 (T4187-1E)	/ Corn Silage	73.6	0.0	48	452	7.3	206	42	311	195	70	182	110		148	49	45	521
Inwood South 2 (T4187-1W)	/ Corn Silage	15.2					34	21	46	195	70	182	47			7	20	288
Inwood South 2 (T4187-1W) (A)	/ Corn Silage	69.8								145	70	182			122	0	24	347
Inwood South 2 (T4187-2)	/ Corn Silage	4.16	0.0	26	329	6.7	137	28	207	195	70	182	10			42	21	335
Inwood South 2 (T4187-2) (A)	/ Corn Silage	0.2	0.0	26	329	6.7				195	70	182	28			0	18	284
Inwood South 3 (T4187-3)	/ Corn Silage	2.33	0.0	16	324	6.3	192	39	290	195	70	182	106		144	46	13	387
Inwood South 4 (T4187-4)	/ Alfalfa Hay	0.77					34	21	46	0	0	0	147			7	12	222
Inwood South 5 (T4187-5)	/ Corn Silage	2.92	0.0	22	334	7.3	164	33	247	195	70	182				47	18	350
Inwood South 5 (T4187-5) (A)	/ Corn Silage	0.5								195	70	182	59		123	0	22	251
Inwood South 1S (T4660-1A)	/ Corn Silage	4.8					164	33	247	195	70	182	240	105	140	42	52	443
Inwood South 1S (T4660-1A) (A)	/ Corn Silage	32.8								195	70	182	75		110	0	21	277
Inwood South 1SB (T4660-1B)	/ Corn Silage	14.4								145	70	182	84		102	0	31	358
Inwood South 2S (T4660-2)	/ Alfalfa Hay	5.47					74	46	101	(50)	0	0	28			21	42	350
Inwood South 3S (T4660-3)	/ Corn Silage	1.84								145	70	182	42	106	140	0	38	178
Inwood South 4S (T4660-4A)	/ Corn Silage	26	0.0	34	499	7.7	112	23	169	195	70	182	28			21	29	496
Inwood South 4SB (T4660-4B)	/ Corn Silage	0.04	0.0	34	499	7.7	126	78	171	195	70	182	81		104	24	35	522
Inwood South 4SB (T4660-4B) (A)	/ Corn Silage	7.36	0.0	34	499	7.7				195	70	182	41			0	26	454
Inwood South 5S (T4660-5)	/ Corn Silage	3.2								195	70	182	19		71	0	12	290
Inwood South 5S (T4660-5) (A)	/ Corn Silage	1.7								195	70	182	19			0	12	260
Inwood South 6S (T4660-6)	/ Corn Silage	2.1								195	70	182	13			2	15	213
Inwood South 6S (T4660-6) (A)	/ Corn Silage	1								195	70	182				0	14	174
Inwood South 7SB (T4660-7B)	/ Corn Silage	42.3	0.0	34	454	7.6	78	48	105	195	70	182				32	32	435
Inwood South 7SB (T4660-7B) (A)	/ Corn Silage	4.7	0.0	34	454	7.6				195	70	182				0	26	409
Inwood South 7SN (T4660-7N)	/ Alfalfa Hay	0	0.0	34	454	7.6				0	0	0				4	34	454
Inwood South 7SN (T4660-7N) (A)	/ Alfalfa Hay	5	0.0	34	454	7.6				0	0	0				0	34	454
Inwood South 7SC (T4660-7C)	/ Corn Silage	5	0.0	34	454	7.6	99	61	134	195	70	182				33	33	442
Inwood Farms (T4271-1)	/ Corn Silage	6.51	0.0	17	294	6.7				210	76	196				2	9	245
Inwood Farms (T4271-1) (A)	/ Corn Silage	2.5	0.0	17	294	6.7				210	76	196				0	9	245
Inwood Farms (T4271-2)	/ Corn Silage	3.89	0.0	40	284	7.2				210	76	196				0	32	235
Inwood Farms (T4271-3)	/ Corn Silage	8.85	0.0	32	336	6.3	108	67	146	135	49	126				33	34	341
Inwood Farms (T4271-4)	/ Corn Silage	6.02	2.5	94	601	7.2				195	70	182				2	86	556
Inwood Farms (T4271-5)	/ Corn Silage	2.83	2.4	16	262	7.0				135	49	126				0	11	231
Zeller's Crest (T1815-1)	Alfalfa Hay /	37.68					101	63	137	(50)	0	0				32	161	537
Zeller's Crest (T1815-1) (A)	Alfalfa Hay /	7.3	Soil Balance Calculation based on App C of the NRCS Std (633)							(50)	0	0				0	150	430



## ANNUAL NUTRIENT BALANCE

Zeller's Crest (T1815-2)	Alfalfa Hay /	11.75				(50)	0	0	0	186	452
Zeller's Crest (T1815-3)	Alfalfa Hay /	13.89	127	26	191	(50)	0	0	36	129	320
65 Acres 1 (T4188-1)	Alfalfa Hay /	33.68				(50)	0	0	2	72	309
65 Acres 2 (T4188-2)	Alfalfa Hay /	0.32				(50)	0	0	0	70	300
65 Acres 3 (T4188-3)	Alfalfa Hay /	10.71				(50)	0	0	0	70	300
65 Acres (T4659-2)	Alfalfa Hay /	12.5				(50)	0	0	0	70	300
65 Acres (T4659-4)	Alfalfa Hay /	6.96	127	26	191	(50)	0	0	20	73	348

## ANNUAL NUTRIENT BALANCE

CROP YEAR 2010

FIELD #	CROP	ACRES	SOIL TEST RESULTS				AVAILABLE FROM MANURE			NEEDED BY CROP			COMMERCIAL			SOIL BALANCE		
			% OM	P	K	PH	PAN	P205	K20	PAN	P205	K20	N	P2O5	K2O	ORG N	P	K
Inwood North 2 (T4186-2)	/ Corn Silage	-0.02								195	70	182	163	81	226	0	26	325
Inwood North 2 (T4186-2) (A)	/ Corn Silage	40.29								195	70	182	181	78	226	0	26	325
Inwood North 1 (T4185-1B)	/ Corn Silage	3.2								195	70	182	35			3	23	294
Inwood North 1 (T4185-1B) (A)	/ Corn Silage	37.7								195	70	182				0	23	294
Inwood North 2 (T4185-1A)	/ Corn Silage	40					119	24	181	195	70	182				34	26	391
Inwood North 3 (T4185-2)	/ Corn Silage	2.66								195	70	182				0	6	212
Inwood North 3 (T4185-3)	/ Corn Silage	13.75					119	24	181	195	70	182	44		110	21	13	260
Inwood North 4 (T4185-4)	/ Corn Silage	31.75					119	24	181	195	70	182				28	35	345
Inwood North 5 (T4185-5)	/ Corn Silage	4.7					119	24	181	195	70	182				28	8	271
Inwood North 6 (T4185-6)	/ Corn Silage	38.05								195	70	182				7	22	330
Inwood North 7 (T4185-7)	/ Corn Silage	20.38					107	107	117	195	70	182				36	45	430
Inwood North 8 (T4185-8)	/ Corn Silage	4.22								195	70	182				4	60	167
Inwood North 10 (T4185-10)	/ Corn Silage	6.09					142	29	214	195	70	182				37	10	345
Inwood North 11 (T4185-11)	/ Corn Silage	58.55								195	70	182				4	21	351
Inwood South 1 (T4187-1E)	/ Corn Silage	73.6					119	24	181	195	70	182	109		148	41	40	558
Inwood South 2 (T4187-1W)	/ Corn Silage	15.2								195	70	182	47			4	12	243
Inwood South 2 (T4187-1W) (A)	/ Corn Silage	69.8								195	70	182				0	16	302
Inwood South 2 (T4187-2)	/ Corn Silage	4.16					134	27	203	195	70	182				40	17	341
Inwood South 2 (T4187-2) (A)	/ Corn Silage	0.2								195	70	182				0	10	238
Inwood South 3 (T4187-3)	/ Corn Silage	2.33					134	27	203	195	70	182	106		144	42	8	428
Inwood South 4 (T4187-4)	/ Alfalfa Hay	0.77								(50)	0	0				4	12	222
Inwood South 5 (T4187-5)	/ Corn Silage	2.92					104	21	158	195	70	182				37	12	344
Inwood South 5 (T4187-5) (A)	/ Corn Silage	0.5								195	70	182	53		123	0	15	236
Inwood South 1S (T4660-1A)	/ Corn Silage	4.8					134	27	203	195	70	182	236	105	140	40	59	483
Inwood South 1S (T4660-1A) (A)	/ Corn Silage	32.8								195	70	182				0	13	232
Inwood South 1SB (T4660-1B)	/ Corn Silage	14.4								195	70	182				0	23	313
Inwood South 2S (T4660-2)	/ Alfalfa Hay	5.47					72	72	78	(50)	0	0	28			22	50	370
Inwood South 3S (T4660-3)	/ Corn Silage	1.84								195	70	182	42	106	140	0	42	167
Inwood South 4S (T4660-4A)	/ Corn Silage	26					112	23	169	195	70	182				26	24	493
Inwood South 4SB (T4660-4B)	/ Corn Silage	0.04					122	122	133	195	70	182				32	41	510
Inwood South 4SB (T4660-4B) (A)	/ Corn Silage	7.36								195	70	182				0	18	408
Inwood South 5S (T4660-5)	/ Corn Silage	3.2								195	70	182				0	4	245
Inwood South 5S (T4660-5) (A)	/ Corn Silage	1.7								195	70	182				0	4	214
Inwood South 6S (T4660-6)	/ Corn Silage	2.1								195	70	182				1	8	168
Inwood South 6S (T4660-6) (A)	/ Corn Silage	1								195	70	182				0	6	128
Inwood South 7SB (T4660-7B)	/ Corn Silage	42.3					75	75	82	195	70	182				27	32	410
Inwood South 7SB (T4660-7B) (A)	/ Corn Silage	4.7								195	70	182				0	18	363
Inwood South 7SN (T4660-7N)	/ Alfalfa Hay	0								(50)	0	0				0	34	454
Inwood South 7SN (T4660-7N) (A)	/ Alfalfa Hay	5								(50)	0	0				0	34	454
Inwood South 7SC (T4660-7C)	/ Beans	5					95	95	104	0	0	0				31	44	468
Inwood Farms (T4271-1)	/ Beans	6.51								0	0	0			96	1	9	269
Inwood Farms (T4271-1) (A)	/ Beans	2.5								0	0	0			96	0	9	269
Inwood Farms (T4271-2)	/ Beans	3.89								0	0	0				0	32	235
Inwood Farms (T4271-3)	/ Beans	8.85								0	0	0				16	34	341
Inwood Farms (T4271-4)	/ Beans	6.02								0	0	0				1	86	556
Inwood Farms (T4271-5)	/ Beans	2.83								0	0	0				0	11	231
Zeller's Crest (T1815-1)	Alfalfa Hay /	37.68								(50)	0	0				16	161	537
Zeller's Crest (T1815-1) (A)	Alfalfa Hay /	7.3	Soil Balance Calculation based on App C of the NRCS Std (633)							(50)	0	0				0	150	430

## ANNUAL NUTRIENT BALANCE

Zeller's Crest (T1815-2)	Alfalfa Hay /	11.75				(50)	0	0	0	186	452
Zeller's Crest (T1815-3)	Alfalfa Hay /	13.89	127	26	192	(50)	0	0	36	131	368
65 Acres 1 (T4188-1)	Alfalfa Hay /	33.68				(50)	0	0	1	72	309
65 Acres 2 (T4188-2)	Alfalfa Hay /	0.32				(50)	0	0	0	70	300
65 Acres 3 (T4188-3)	Alfalfa Hay /	10.71				(50)	0	0	0	70	300
65 Acres (T4659-2)	Alfalfa Hay /	12.5				(50)	0	0	0	70	300
65 Acres (T4659-4)	Alfalfa Hay /	6.96	127	26	192	(50)	0	0	29	76	396



## ANNUAL NUTRIENT BALANCE

CROP YEAR 2011

FIELD #	CROP	ACRES	SOIL TEST RESULTS				AVAILABLE FROM MANURE			NEEDED BY CROP			COMMERCIAL			SOIL BALANCE		
			% OM	P	K	PH	PAN	P205	K20	PAN	P205	K20	N	P2O5	K2O	ORG N	P	K
Inwood North 2 (T4186-2)	/ Corn Silage	-0.02								195	70	182	160	81	226	0	28	336
Inwood North 2 (T4186-2) (A)	/ Corn Silage	40.29								195	70	182	181	78	226	0	27	336
Inwood North 1 (T4185-1B)	/ Corn Silage	3.2								195	70	182	38			0	16	249
Inwood North 1 (T4185-1B) (A)	/ Corn Silage	37.7								195	70	182				0	16	249
Inwood North 2 (T4185-1A)	/ Corn Silage	40					144	80	179	195	70	182				34	27	390
Inwood North 3 (T4185-2)	/ Corn Silage	2.66								195	70	182				0	(1)	167
Inwood North 3 (T4185-3)	/ Corn Silage	13.75					144	80	179	195	70	182	41		110	28	14	287
Inwood North 4 (T4185-4)	/ Corn Silage	31.75					144	80	179	195	70	182				31	36	344
Inwood North 5 (T4185-5)	/ Corn Silage	4.7					144	80	179	195	70	182				31	9	270
Inwood North 6 (T4185-6)	/ Corn Silage	38.05								195	70	182				3	14	284
Inwood North 7 (T4185-7)	/ Corn Silage	20.38					107	107	117	195	70	182				34	49	414
Inwood North 8 (T4185-8)	/ Corn Silage	4.22								195	70	182				1	52	122
Inwood North 10 (T4185-10)	/ Corn Silage	6.09					170	95	213	195	70	182	72		116	37	13	382
Inwood North 11 (T4185-11)	/ Corn Silage	58.55								195	70	182				1	13	305
Inwood South 1 (T4187-1E)	/ Corn Silage	73.6					144	80	179	195	70	182	110		147	36	41	594
Inwood South 2 (T4187-1W)	/ Corn Silage	15.2								195	70	182	47			1	4	197
Inwood South 2 (T4187-1W) (A)	/ Corn Silage	69.8								195	70	182			122	0	9	287
Inwood South 2 (T4187-2)	/ Corn Silage	4.16					161	90	201	195	70	182				37	19	345
Inwood South 2 (T4187-2) (A)	/ Corn Silage	0.2								195	70	182	84		114	0	3	221
Inwood South 3 (T4187-3)	/ Corn Silage	2.33					161	90	201	195	70	182	106		144	39	10	469
Inwood South 4 (T4187-4)	/ Alfalfa Hay	0.77								(50)	0	0				1	12	222
Inwood South 5 (T4187-5)	/ Corn Silage	2.92					126	70	157	195	70	182				30	12	338
Inwood South 5 (T4187-5) (A)	/ Corn Silage	0.5								195	70	182	50		123	0	7	221
Inwood South 1S (T4660-1A)	Wheat Straw / Corn Silage	4.8					161	90	201	260	90	332	42	105	140	38	70	486
Inwood South 1S (T4660-1A) (A)	Wheat Straw / Corn Silage	32.8								260	90	332	128		234	0	3	207
Inwood South 1SB (T4660-1B)	/ Corn Silage	14.4								195	70	182	138		261	0	16	332
Inwood South 2S (T4660-2)	/ Alfalfa Hay	5.47					72	72	78	(50)	0	0	28			23	58	389
Inwood South 3S (T4660-3)	/ Corn Silage	1.84								195	70	182	42	106	140	0	46	157
Inwood South 4S (T4660-4A)	/ Corn Silage	26					135	75	168	195	70	182	84		136	31	24	523
Inwood South 4SB (T4660-4B)	/ Alfalfa Hay	0.04					122	122	133	0	0	0	102		247	38	54	605
Inwood South 4SB (T4660-4B) (A)	/ Alfalfa Hay	7.36								0	0	0	59		133	0	18	441
Inwood South 5S (T4660-5)	/ Corn Silage	3.2								195	70	182	75		195	0	(3)	248
Inwood South 5S (T4660-5) (A)	/ Corn Silage	1.7								195	70	182	22		144	0	(3)	205
Inwood South 6S (T4660-6)	/ Corn Silage	2.1								195	70	182	31		136	0	(0)	156
Inwood South 6S (T4660-6) (A)	/ Corn Silage	1								195	70	182				0	(1)	83
Inwood South 7SB (T4660-7B)	/ Corn Silage	42.3					75	75	82	195	70	182				23	33	385
Inwood South 7SB (T4660-7B) (A)	/ Corn Silage	4.7								195	70	182				0	11	318
Inwood South 7SN (T4660-7N)	/ Alfalfa Hay	0								(50)	0	0				0	34	454
Inwood South 7SN (T4660-7N) (A)	/ Alfalfa Hay	5								(50)	0	0				0	34	454
Inwood South 7SC (T4660-7C)	Wheat Straw / Corn Silage	5					95	95	104	260	90	332				30	44	411
Inwood Farms (T4271-1)	Wheat Straw / Corn Silage	6.51								275	96	346				0	(2)	183
Inwood Farms (T4271-1) (A)	Wheat Straw / Corn Silage	2.5								275	96	346				0	(2)	183
Inwood Farms (T4271-2)	Wheat Straw / Corn Silage	3.89								275	96	346				0	21	149
Inwood Farms (T4271-3)	Wheat Straw / Corn Silage	8.85					104	104	114	200	69	276				23	38	301
Inwood Farms (T4271-4)	Wheat Straw / Corn Silage	6.02								260	90	332				0	76	473
Inwood Farms (T4271-5)	Wheat Straw / Corn Silage	2.83								200	69	276				0	3	162
Zeller's Crest (T1815-1)	Alfalfa Hay /	37.68					98	98	107	(50)	0	0				22	172	564
Zeller's Crest (T1815-1) (A)	Alfalfa Hay /	7.3	Soil Balance Calculation based on App C of the NRCS Std (633)							(50)	0	0				0	150	430



## ANNUAL NUTRIENT BALANCE

Zeller's Crest (T1815-2)	Alfalfa Hay /	11.75				(50)	0	0	0	186	452
Zeller's Crest (T1815-3)	Alfalfa Hay /	13.89	153	85	190	(50)	0	0	34	141	415
65 Acres 1 (T4188-1)	Alfalfa Hay /	33.68				(50)	0	0	0	72	309
65 Acres 2 (T4188-2)	Alfalfa Hay /	0.32				(50)	0	0	0	70	300
65 Acres 3 (T4188-3)	Alfalfa Hay /	10.71				(50)	0	0	0	70	300
65 Acres (T4659-2)	Alfalfa Hay /	12.5				(50)	0	0	0	70	300
65 Acres (T4659-4)	Alfalfa Hay /	6.96	153	85	190	(50)	0	0	34	85	443

# ANNUAL NUTRIENT BALANCE

CROP YEAR 2012

FIELD #	CROP	ACRES	SOIL TEST RESULTS				AVAILABLE FROM MANURE			NEEDED BY CROP			COMMERCIAL			SOIL BALANCE		
			% OM	P	K	PH	PAN	P205	K20	PAN	P205	K20	N	P2O5	K2O	ORG N	P	K
Inwood North 2 (T4186-2)	/ Corn Silage	-0.02								195	70	182	165	81	226	0	29	347
Inwood North 2 (T4186-2) (A)	/ Corn Silage	40.29								195	70	182	181	78	226	0	27	347
Inwood North 1 (T4185-1B)	/ Corn Silage	3.2								195	70	182	38			0	8	203
Inwood North 1 (T4185-1B) (A)	/ Corn Silage	37.7								195	70	182				0	8	203
Inwood North 2 (T4185-1A)	/ Corn Silage	40					144	80	179	195	70	182				32	28	389
Inwood North 3 (T4185-2)	/ Corn Silage	2.66								195	70	182				0	(9)	121
Inwood North 3 (T4185-3)	/ Corn Silage	13.75					144	80	179	195	70	182	41		110	32	15	313
Inwood North 4 (T4185-4)	/ Corn Silage	31.75					144	80	179	195	70	182				32	37	343
Inwood North 5 (T4185-5)	/ Corn Silage	4.7					144	80	179	195	70	182				32	10	269
Inwood North 6 (T4185-6)	/ Corn Silage	38.05								195	70	182				0	7	239
Inwood North 7 (T4185-7)	/ Corn Silage	20.38					107	107	117	195	70	182				33	54	398
Inwood North 8 (T4185-8)	/ Corn Silage	4.22								195	70	182				0	44	76
Inwood North 10 (T4185-10)	/ Corn Silage	6.09					170	95	213	195	70	182	19			39	16	389
Inwood North 11 (T4185-11)	/ Corn Silage	58.55								195	70	182				0	5	260
Inwood South 1 (T4187-1E)	/ Corn Silage	73.6					144	80	179	195	70	182	109		149	32	42	631
Inwood South 2 (T4187-1W)	/ Corn Silage	15.2								195	70	182	47			0	(3)	152
Inwood South 2 (T4187-1W) (A)	/ Corn Silage	69.8								195	70	182				0	1	241
Inwood South 2 (T4187-2)	/ Corn Silage	4.16					161	90	201	195	70	182				37	21	350
Inwood South 2 (T4187-2) (A)	/ Corn Silage	0.2								195	70	182	28			0	(5)	176
Inwood South 3 (T4187-3)	/ Corn Silage	2.33					161	90	201	195	70	182	106		144	37	12	510
Inwood South 4 (T4187-4)	/ Alfalfa Hay	0.77								(50)	0	0	145			0	12	222
Inwood South 5 (T4187-5)	/ Corn Silage	2.92					126	70	157	195	70	182				28	12	332
Inwood South 5 (T4187-5) (A)	/ Corn Silage	0.5								195	70	182	50		123	0	(1)	206
Inwood South 1S (T4660-1A)	/ Corn Silage	4.8					161	90	201	195	70	182	236	105	140	37	84	525
Inwood South 1S (T4660-1A) (A)	/ Corn Silage	32.8								195	70	182	75		110	0	(4)	189
Inwood South 1SB (T4660-1B)	/ Corn Silage	14.4								195	70	182	84		136	0	8	321
Inwood South 2S (T4660-2)	/ Alfalfa Hay	5.47					72	72	78	(50)	0	0	28			23	66	409
Inwood South 3S (T4660-3)	/ Corn Silage	1.84								195	70	182	42	106	140	0	50	146
Inwood South 4S (T4660-4A)	/ Corn Silage	26					135	75	168	195	70	182	28			31	25	520
Inwood South 4SB (T4660-4B)	/ Alfalfa Hay	0.04					122	122	133	(50)	0	0	66		104	39	68	664
Inwood South 4SB (T4660-4B) (A)	/ Alfalfa Hay	7.36								(50)	0	0	41			0	18	441
Inwood South 5S (T4660-5)	/ Corn Silage	3.2								195	70	182	10		71	0	(11)	220
Inwood South 5S (T4660-5) (A)	/ Corn Silage	1.7								195	70	182				0	(11)	159
Inwood South 6S (T4660-6)	/ Corn Silage	2.1								195	70	182				0	(8)	111
Inwood South 6S (T4660-6) (A)	/ Corn Silage	1								195	70	182				0	(9)	37
Inwood South 7SB (T4660-7B)	/ Corn Silage	42.3					75	75	82	195	70	182				24	33	360
Inwood South 7SB (T4660-7B) (A)	/ Corn Silage	4.7								195	70	182				0	3	272
Inwood South 7SN (T4660-7N)	/ Alfalfa Hay	0								(50)	0	0				0	34	454
Inwood South 7SN (T4660-7N) (A)	/ Alfalfa Hay	5								(50)	0	0				0	34	454
Inwood South 7SC (T4660-7C)	/ Corn Silage	5					95	95	104	195	70	182			84	30	47	413
Inwood Farms (T4271-1)	/ Corn Silage	6.51								210	76	196			84	0	(10)	155
Inwood Farms (T4271-1) (A)	/ Corn Silage	2.5								210	76	196			84	0	(10)	155
Inwood Farms (T4271-2)	/ Corn Silage	3.89								210	76	196				0	13	100
Inwood Farms (T4271-3)	/ Corn Silage	8.85					104	104	114	135	49	126				28	44	298
Inwood Farms (T4271-4)	/ Corn Silage	6.02								195	70	182				0	68	427
Inwood Farms (T4271-5)	/ Corn Silage	2.83								135	49	126				0	(2)	130
Zeller's Crest (T1815-1)	Alfalfa Hay /	37.68					98	98	107	(50)	0	0				26	183	591
Zeller's Crest (T1815-1) (A)	Alfalfa Hay /	7.3	Soil Balance Calculation based on App C of the NRCS Std (633)							(50)	0	0				0	150	430

## ANNUAL NUTRIENT BALANCE

Zeller's Crest (T1815-2)	Alfalfa Hay /	11.75				(50)	0	0	0	186	452
Zeller's Crest (T1815-3)	Alfalfa Hay /	13.89	153	85	190	(50)	0	0	34	150	463
65 Acres 1 (T4188-1)	Alfalfa Hay /	33.68				(50)	0	0	0	72	309
65 Acres 2 (T4188-2)	Alfalfa Hay /	0.32				(50)	0	0	0	70	300
65 Acres 3 (T4188-3)	Alfalfa Hay /	10.71				(50)	0	0	0	70	300
65 Acres (T4659-2)	Alfalfa Hay /	12.5				(50)	0	0	0	70	300
65 Acres (T4659-4)	Alfalfa Hay /	6.96	153	85	190	(50)	0	0	34	95	491

## ANNUAL NUTRIENT BALANCE

CROP YEAR 2013

FIELD #	CROP	ACRES	SOIL TEST RESULTS				AVAILABLE FROM MANURE			NEEDED BY CROP			COMMERCIAL			SOIL BALANCE		
			% OM	P	K	PH	PAN	P205	K20	PAN	P205	K20	N	P2O5	K2O	ORG N	P	K
Inwood North 2 (T4186-2)	/ Corn Silage	-0.02								195	70	182	158	81	226	0	30	358
Inwood North 2 (T4186-2) (A)	/ Corn Silage	40.29								195	70	182	181	78	226	0	28	358
Inwood North 1 (T4185-1B)	/ Corn Silage	3.2								195	70	182	38			0	(0)	158
Inwood North 1 (T4185-1B) (A)	/ Corn Silage	37.7								195	70	182				0	(0)	158
Inwood North 2 (T4185-1A)	/ Corn Silage	40					144	80	179	195	70	182				32	29	389
Inwood North 3 (T4185-2)	/ Corn Silage	2.66								195	70	182				0	(17)	76
Inwood North 3 (T4185-3)	/ Corn Silage	13.75					144	80	179	195	70	182	41		110	32	16	340
Inwood North 4 (T4185-4)	/ Corn Silage	31.75					144	80	179	195	70	182				32	38	343
Inwood North 5 (T4185-5)	/ Corn Silage	4.7					144	80	179	195	70	182				32	11	269
Inwood North 6 (T4185-6)	/ Corn Silage	38.05								195	70	182				0	(1)	193
Inwood North 7 (T4185-7)	/ Corn Silage	20.38					107	107	117	195	70	182				33	58	381
Inwood North 8 (T4185-8)	/ Corn Silage	4.22								195	70	182				0	36	31
Inwood North 10 (T4185-10)	/ Corn Silage	6.09					170	95	213	195	70	182				39	18	397
Inwood North 11 (T4185-11)	/ Corn Silage	58.55								195	70	182				0	(3)	214
Inwood South 1 (T4187-1E)	/ Beans	73.6					144	80	179	0	0	0	110		149	32	51	713
Inwood South 2 (T4187-1W)	/ Corn Silage	15.2								195	70	182	47			0	(11)	106
Inwood South 2 (T4187-1W) (A)	/ Corn Silage	69.8								195	70	182			122	0	(7)	226
Inwood South 2 (T4187-2)	/ Corn Silage	4.16					161	90	201	195	70	182				37	23	355
Inwood South 2 (T4187-2) (A)	/ Corn Silage	0.2								195	70	182				0	(13)	130
Inwood South 3 (T4187-3)	/ Corn Silage	2.33					161	90	201	195	70	182	106		144	37	14	551
Inwood South 4 (T4187-4)	/ Alfalfa Hay	0.77								(50)	0	0				0	12	222
Inwood South 5 (T4187-5)	/ Corn Silage	2.92					126	70	157	195	70	182				28	12	326
Inwood South 5 (T4187-5) (A)	/ Corn Silage	0.5								195	70	182	50		123	0	(9)	192
Inwood South 1S (T4660-1A)	/ Beans	4.8					161	90	201	0	0	0	42	105	140	37	106	611
Inwood South 1S (T4660-1A) (A)	/ Beans	32.8								0	0	0	78			0	(4)	189
Inwood South 1SB (T4660-1B)	/ Corn Silage	14.4								195	70	182				0	(0)	275
Inwood South 2S (T4660-2)	/ Alfalfa Hay	5.47					72	72	78	(50)	0	0				23	74	428
Inwood South 3S (T4660-3)	/ Corn Silage	1.84								195	70	182	42	106	140	0	54	136
Inwood South 4S (T4660-4A)	/ Corn Silage	26					135	75	168	195	70	182				31	25	516
Inwood South 4SB (T4660-4B)	/ Alfalfa Hay	0.04					122	122	133	(50)	0	0				39	81	698
Inwood South 4SB (T4660-4B) (A)	/ Alfalfa Hay	7.36								(50)	0	0				0	18	441
Inwood South 5S (T4660-5)	/ Corn Silage	3.2								195	70	182				0	(19)	175
Inwood South 5S (T4660-5) (A)	/ Beans	1.7								0	0	0				0	(11)	159
Inwood South 6S (T4660-6)	/ Beans	2.1								0	0	0				0	(8)	111
Inwood South 6S (T4660-6) (A)	/ Beans	1								0	0	0				0	(9)	37
Inwood South 7SB (T4660-7B)	/ Beans	42.3					75	75	82	0	0	0				24	41	380
Inwood South 7SB (T4660-7B) (A)	/ Beans	4.7								0	0	0				0	3	272
Inwood South 7SN (T4660-7N)	/ Alfalfa Hay	0								(50)	0	0				0	34	454
Inwood South 7SN (T4660-7N) (A)	/ Alfalfa Hay	5								(50)	0	0				0	34	454
Inwood South 7SC (T4660-7C)	/ Beans	5					95	95	104	0	0	0				30	57	439
Inwood Farms (T4271-1)	/ Beans	6.51								0	0	0				0	(10)	155
Inwood Farms (T4271-1) (A)	/ Beans	2.5								0	0	0				0	(10)	155
Inwood Farms (T4271-2)	/ Beans	3.89								0	0	0				0	13	100
Inwood Farms (T4271-3)	/ Beans	8.85					104	104	114	0	0	0				32	56	326
Inwood Farms (T4271-4)	/ Beans	6.02								0	0	0				0	68	427
Inwood Farms (T4271-5)	/ Beans	2.83								0	0	0				0	(2)	130
Zeller's Crest (T1815-1)	Alfalfa Hay /	37.68					98	98	107	(50)	0	0				31	194	618
Zeller's Crest (T1815-1) (A)	Alfalfa Hay /	7.3	Soil Balance Calculation based on App C of the NRCS Std (633)							(50)	0	0				0	150	430



## ANNUAL NUTRIENT BALANCE

Zeller's Crest (T1815-2)	Alfalfa Hay /	11.75				(50)	0	0		0	186	452
Zeller's Crest (T1815-3)	Alfalfa Hay /	13.89	153	85	190	(50)	0	0		34	160	510
65 Acres 1 (T4188-1)	Alfalfa Hay /	33.68				(50)	0	0		0	72	309
65 Acres 2 (T4188-2)	Alfalfa Hay /	0.32				(50)	0	0		0	70	300
65 Acres 3 (T4188-3)	Alfalfa Hay /	10.71				(50)	0	0		0	70	300
65 Acres (T4659-2)	Alfalfa Hay /	12.5				(50)	0	0		0	70	300
65 Acres (T4659-4)	Alfalfa Hay /	6.96	153	85	190	(50)	0	0		34	104	538

## Projected Soil P And K Levels Number of Years at Planned Nutrient Management to Reach 300 lb/acre (150 ppm) Bray P1

**For Existing Facilities:**

**Fields are gradually building in soil P levels, but are not near exceeding 300 #/acre**

**Rotation Start Year**

**2008**

**Rotation End Year**

**2013**

**Years in Rotation**

**6**

Note: After soils reach 150 ppm (300 lbs/acre), nutrient management plan will need to be revised.

Field	P <sub>1</sub> At Start lb/Acre	P Balance @ End of Rotation	Average P1 soil change for Rotation	Average Annual change in P1	Years To Reach 300 lbs/Ac P1	K At Start lb/Acre	K Balance @ End of Rotation	Average K soil change for Rotation	Average Annual change in K
Inwood North 2 (T4186-2)	36	30	(6)	(1)	#	348	358	10	2
Inwood North 2 (T4186-2) (A)	36	29	(7)	(2)	#	348	358	10	2
Inwood North 1 (T4185-1B)	46	(1)	(47)	(8)	#	386	158	(228)	(38)
Inwood North 1 (T4185-1B) (A)	46	(1)	(47)	(8)	#	386	158	(228)	(38)
Inwood North 2 (T4185-1A)	46	30	(16)	(3)	#	386	389	3	1
Inwood North 3 (T4185-2)	34	(17)	(51)	(9)	#	356	76	(280)	(47)
Inwood North 3 (T4185-3)	30	17	(13)	(3)	#	328	340	12	2
Inwood North 4 (T4185-4)	34	39	5	1	261.0	356	343	(13)	(3)
Inwood North 5 (T4185-5)	18	12	(6)	(1)	#	326	269	(57)	(10)
Inwood North 6 (T4185-6)	30	(2)	(32)	(6)	#	320	193	(127)	(22)
Inwood North 7 (T4185-7)	39	58	19	4	60.5	359	382	23	4
Inwood North 8 (T4185-8)	34	37	3	1	263.0	358	31	(327)	(55)
Inwood North 10 (T4185-10)	32	19	(13)	(3)	#	359	397	38	7
Inwood North 11 (T4185-11)	34	(3)	(37)	(7)	#	392	214	(178)	(30)
Inwood South 1 (T4187-1E)	32	51	19	4	62.3	357	713	356	60
Inwood South 2 (T4187-1W)	32	(12)	(44)	(8)	#	362	107	(255)	(43)
Inwood South 2 (T4187-1W) (A)	32	(7)	(39)	(7)	#	362	226	(136)	(23)
Inwood South 2 (T4187-2)	43	24	(19)	(4)	#	331	355	24	4
Inwood South 2 (T4187-2) (A)	43	(13)	(56)	(10)	#	331	130	(201)	(34)
Inwood South 3 (T4187-3)	64	15	(49)	(9)	#	362	551	189	32
Inwood South 4 (T4187-4)	16	12	(4)	(1)	#	250	222	(28)	(5)
Inwood South 5 (T4187-5)	38	13	(25)	(5)	#	280	326	46	8
Inwood South 5 (T4187-5) (A)	38	(9)	(47)	(8)	#	280	192	(88)	(15)
Inwood South 1S (T4660-1A)	39	106	67	12	16.2	378	611	233	39
Inwood South 1S (T4660-1A) (A)	39	(5)	(44)	(8)	#	378	189	(189)	(32)
Inwood South 1SB (T4660-1B)	39	(1)	(40)	(7)	#	378	276	(102)	(17)
Inwood South 2S (T4660-2)	32	74	42	7	32	302	429	127	22
Inwood South 3S (T4660-3)	34	54	20	4	61.5	188	136	(52)	(9)
Inwood South 4S (T4660-4A)	26	26	0	0	#	466	516	50	9
Inwood South 4SB (T4660-4B)	26	82	56	10	21.8	466	698	232	39
Inwood South 4SB (T4660-4B) (A)	26	19	(7)	(2)	#	466	442	(24)	(4)
Inwood South 5S (T4660-5)	30	(20)	(50)	(9)	#	352	175	(177)	(30)
Inwood South 5S (T4660-5) (A)	30	(12)	(42)	(7)	#	352	159	(193)	(33)
Inwood South 6S (T4660-6)	32	(8)	(40)	(7)	#	302	111	(191)	(32)
Inwood South 6S (T4660-6) (A)	32	(10)	(42)	(7)	#	302	37	(265)	(45)

# : Field with negative P1 trend that will need maintenance levels of P fertilizers to maintain soil P levels.  
INF : Field with Postive P1 trend that will take more than 300 yrs to exceed 150 ppm.

## Projected Soil P And K Levels er of Years at Planned Nutrient Management to Reach 300 lb/acre (150 ppm) Bray P1

**For Existing Facilities:**

**Fields are gradually building in soil P levels, but are not near exceeding 300 #/acre**

**Rotation Start Year**

**2008**

**Rotation End Year**

**2013**

**Years in Rotation**

**6**

Note: After soils reach 150 ppm (300 lbs/acre), nutrient management plan will need to be revised.

Field	P <sub>1</sub> At Start lb/Acre	P Balance @ End of Rotation	Average P1 soil change for Rotation	Average Annual change in P1	Years To Reach 300 lbs/Ac P1	K At Start lb/Acre	K Balance @ End of Rotation	Average K soil change for Rotation	Average Annual change in K
Inwood South 7SB (T4660-7B)	34	42	8	2	129	392	381	(11)	(2)
Inwood South 7SB (T4660-7B) (A)	34	3	(31)	(6)	#	392	272	(120)	(20)
Inwood South 7SN (T4660-7N)	26	34	8	2	133	406	454	48	8
Inwood South 7SN (T4660-7N) (A)	26	34	8	2	133	406	454	48	8
Inwood South 7SC (T4660-7C)	34	58	24	4	60.5	392	439	47	8
Inwood Farms (T4271-1)	26	(11)	(37)	(7)	#	222	155	(67)	(12)
Inwood Farms (T4271-1) (A)	26	(11)	(37)	(7)	#	222	155	(67)	(12)
Inwood Farms (T4271-2)	36	13	(23)	(4)	#	266	100	(166)	(28)
Inwood Farms (T4271-3)	16	56	40	7	34.85714286	268	326	58	10
Inwood Farms (T4271-4)	196	69	(127)	(22)	#	490	427	(63)	(11)
Inwood Farms (T4271-5)	48	(3)	(51)	(9)	#	252	130	(122)	(21)
Zeller's Crest (T1815-1)	150	194	44	8	13.25	430	618	188	32
Zeller's Crest (T1815-1) (A)	150	150	0	0	#	430	430	0	0
Zeller's Crest (T1815-2)	186	186	0	0	#	452	452	0	0
Zeller's Crest (T1815-3)	122	160	38	7	20	210	510	300	50
65 Acres 1 (T4188-1)	70	72	2	1	228	300	310	10	2
65 Acres 2 (T4188-2)	70	70	0	0	#	300	300	0	0
65 Acres 3 (T4188-3)	70	70	0	0	#	300	300	0	0
65 Acres (T4659-2)	70	70	0	0	#	300	300	0	0
65 Acres (T4659-4)	70	105	35	6	32.5	300	539	239	40

Calculation based on App C of the NRCS Std (633)

# : Field with negative P1 trend that will need maintenance levels of P fertilizers to maintain soil P levels.

INF : Field with Postive P1 trend that will take more than 300 yrs to exceed 150 ppm.



# MANURE FERTILIZER VALUE

NITROGEN	PHOSPHORUS	POTASSIUM
\$ 0.35	\$ 0.40	\$ 0.20

CROP YEAR		2008								
FIELD #	CROP	ACRES	MANURE NUTRIENT VALUE							
			NITROGEN		PHOSPHORUS		POTASSIUM		TOTAL VALUE	
			\$/Ac	\$/FIELD	\$/Ac	\$/FIELD	\$/Ac	\$/FIELD	\$/Ac	\$/FIELD
Inwood North 2 (T4186-2)	/ Corn Silage	-0.02	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 2 (T4186-2) (A)	/ Corn Silage	40.29	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 1 (T4185-1B)	/ Corn Silage	3.2	\$24	\$76	\$17	\$54	\$18	\$59	\$59	\$189
Inwood North 1 (T4185-1B) (A)	/ Corn Silage	37.7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 2 (T4185-1A)	/ Beans	40	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 3 (T4185-2)	/ Corn Silage	2.66	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 3 (T4185-3)	/ Corn Silage	13.75	\$24	\$327	\$17	\$231	\$18	\$253	\$59	\$811
Inwood North 4 (T4185-4)	/ Corn Silage	31.75	\$24	\$756	\$17	\$533	\$18	\$584	\$59	\$1,873
Inwood North 5 (T4185-5)	/ Corn Silage	4.7	\$24	\$112	\$17	\$79	\$18	\$86	\$59	\$277
Inwood North 6 (T4185-6)	/ Corn Silage	38.05	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 7 (T4185-7)	/ Corn Silage	20.38	\$57	\$1,170	\$13	\$269	\$36	\$742	\$107	\$2,181
Inwood North 8 (T4185-8)	/ Corn Silage	4.22	\$6	\$25	\$4	\$19	\$5	\$19	\$15	\$63
Inwood North 10 (T4185-10)	/ Corn Silage	6.09	\$57	\$350	\$13	\$80	\$36	\$222	\$107	\$652
Inwood North 11 (T4185-11)	/ Corn Silage	58.55	\$6	\$348	\$4	\$258	\$5	\$269	\$15	\$875
Inwood South 1 (T4187-1E)	Wheat Straw / Corn Silage	73.6	\$57	\$4,225	\$13	\$972	\$49	\$3,636	\$120	\$8,832
Inwood South 2 (T4187-1W)	/ Corn Silage	15.2	\$6	\$90	\$4	\$67	\$5	\$70	\$15	\$227
Inwood South 2 (T4187-1W) (A)	/ Alfalfa Hay	69.8	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 2 (T4187-2)	/ Corn Silage	4.16	\$68	\$284	\$18	\$75	\$36	\$151	\$123	\$510
Inwood South 2 (T4187-2) (A)	/ Corn Silage	0.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 3 (T4187-3)	/ Corn Silage	2.33	\$57	\$134	\$13	\$31	\$36	\$85	\$107	\$249
Inwood South 4 (T4187-4)	/ Corn Silage	0.77	\$6	\$5	\$4	\$3	\$5	\$4	\$15	\$12
Inwood South 5 (T4187-5)	/ Corn Silage	2.92	\$65	\$191	\$18	\$53	\$36	\$106	\$120	\$350
Inwood South 5 (T4187-5) (A)	/ Corn Silage	0.5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 1S (T4660-1A)	Wheat Straw / Corn Silage	4.8	\$57	\$276	\$13	\$63	\$49	\$237	\$120	\$576
Inwood South 1S (T4660-1A) (A)	Wheat Straw / Corn Silage	32.8	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 1SB (T4660-1B)	/ Alfalfa Hay	14.4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 2S (T4660-2)	/ Alfalfa Hay	5.47	(18)	(96)	\$0	\$0	\$0	\$0	(18)	(96)
Inwood South 3S (T4660-3)	/ Alfalfa Hay	1.84	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 4S (T4660-4A)	/ Corn Silage	26	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 4SB (T4660-4B)	/ Corn Silage	0.04	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 4SB (T4660-4B) (A)	/ Corn Silage	7.36	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 5S (T4660-5)	Wheat Straw / Corn Silage	3.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 5S (T4660-5) (A)	Wheat Straw / Corn Silage	1.7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 6S (T4660-6)	Wheat Straw / Corn Silage	2.1	\$6	\$12	\$4	\$9	\$5	\$10	\$15	\$31

Based on Crop Nutrient Uptake Only, Carry Over Nutrients NOT Included in Values.

## MANURE FERTILIZER VALUE

			NITROGEN		PHOSPHORUS		POTASSIUM			
			\$	0.35	\$	0.40	\$	0.20		
Inwood South 6S (T4660-6) (A)	Wheat Straw / Corn Silage	1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 7SB (T4660-7B)	/ Corn Silage	42.3	\$68	\$2,872	\$16	\$660	\$36	\$1,540	\$120	\$5,072
Inwood South 7SB (T4660-7B) (A)	/ Corn Silage	4.7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 7SN (T4660-7N)	Wheat Straw / Corn Silage	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 7SN (T4660-7N) (A)	Wheat Straw / Corn Silage	5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 7SC (T4660-7C)	Wheat Straw / Corn Silage	5	\$57	\$287	\$13	\$66	\$49	\$247	\$120	\$600
Inwood Farms (T4271-1)	/ Corn Silage	6.51	\$6	\$39	\$4	\$29	\$5	\$30	\$15	\$97
Inwood Farms (T4271-1) (A)	/ Corn Silage	2.5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-2)	/ Corn Silage	3.89	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-3)	/ Corn Silage	8.85	\$47	\$418	\$16	\$138	\$25	\$223	\$88	\$779
Inwood Farms (T4271-4)	/ Corn Silage	6.02	\$6	\$36	\$4	\$26	\$5	\$28	\$15	\$90
Inwood Farms (T4271-5)	/ Corn Silage	2.83	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Zeller's Crest (T1815-1)	Alfalfa Hay /	37.68	(18)	(659)	\$0	\$0	\$0	\$0	(18)	(659)
Zeller's Crest (T1815-1) (A)	Alfalfa Hay /	7.3	(18)	(128)	\$0	\$0	\$0	\$0	(18)	(128)
Zeller's Crest (T1815-2)	Alfalfa Hay /	11.75	(18)	(206)	\$0	\$0	\$0	\$0	(18)	(206)
Zeller's Crest (T1815-3)	Alfalfa Hay /	13.89	(18)	(243)	\$0	\$0	\$0	\$0	(18)	(243)
65 Acres 1 (T4188-1)	Alfalfa Hay /	33.68	(18)	(589)	\$0	\$0	\$0	\$0	(18)	(589)
65 Acres 2 (T4188-2)	Alfalfa Hay /	0.32	(18)	(6)	\$0	\$0	\$0	\$0	(18)	(6)
65 Acres 3 (T4188-3)	Alfalfa Hay /	10.71	(18)	(187)	\$0	\$0	\$0	\$0	(18)	(187)
65 Acres (T4659-2)	Alfalfa Hay /	12.5	(18)	(219)	\$0	\$0	\$0	\$0	(18)	(219)
65 Acres (T4659-4)	Alfalfa Hay /	6.96	(18)	(122)	\$0	\$0	\$0	\$0	(18)	(122)
		TOTAL	\$9,578		\$3,714		\$8,601		\$21,893	

Based on Crop Nutrient Uptake Only, Carry Over Nutrients **NOT** Included in Values.

# MANURE FERTILIZER VALUE

NITROGEN	PHOSPHORUS	POTASSIUM
\$ 0.35	\$ 0.40	\$ 0.20

CROP YEAR

2009

MANURE NUTRIENT VALUE

FIELD #	CROP	ACRES	NITROGEN		PHOSPHORUS		POTASSIUM		TOTAL VALUE	
			\$/Ac	\$/FIELD	\$/Ac	\$/FIELD	\$/Ac	\$/FIELD	\$/Ac	\$/FIELD
Inwood North 2 (T4186-2)	/ Corn Silage	-0.02	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 2 (T4186-2) (A)	/ Corn Silage	40.29	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 1 (T4185-1B)	/ Corn Silage	3.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 1 (T4185-1B) (A)	/ Corn Silage	37.7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 2 (T4185-1A)	/ Corn Silage	40	\$49	\$1,960	\$14	\$544	\$36	\$1,456	\$99	\$3,960
Inwood North 3 (T4185-2)	/ Corn Silage	2.66	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 3 (T4185-3)	/ Corn Silage	13.75	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 4 (T4185-4)	/ Corn Silage	31.75	\$29	\$933	\$21	\$660	\$23	\$724	\$73	\$2,318
Inwood North 5 (T4185-5)	/ Corn Silage	4.7	\$29	\$138	\$21	\$98	\$23	\$107	\$73	\$343
Inwood North 6 (T4185-6)	/ Corn Silage	38.05	\$29	\$1,119	\$21	\$791	\$23	\$868	\$73	\$2,778
Inwood North 7 (T4185-7)	/ Corn Silage	20.38	\$48	\$977	\$11	\$228	\$36	\$742	\$96	\$1,947
Inwood North 8 (T4185-8)	/ Corn Silage	4.22	\$12	\$50	\$8	\$35	\$9	\$39	\$30	\$124
Inwood North 10 (T4185-10)	/ Corn Silage	6.09	\$39	\$239	\$9	\$56	\$34	\$206	\$82	\$501
Inwood North 11 (T4185-11)	/ Corn Silage	58.55	\$12	\$697	\$8	\$492	\$9	\$539	\$30	\$1,727
Inwood South 1 (T4187-1E)	/ Corn Silage	73.6	\$68	\$5,023	\$17	\$1,236	\$36	\$2,679	\$121	\$8,939
Inwood South 2 (T4187-1W)	/ Corn Silage	15.2	\$12	\$181	\$8	\$128	\$9	\$140	\$30	\$448
Inwood South 2 (T4187-1W) (A)	/ Corn Silage	69.8	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 2 (T4187-2)	/ Corn Silage	4.16	\$48	\$199	\$11	\$47	\$36	\$151	\$96	\$397
Inwood South 2 (T4187-2) (A)	/ Corn Silage	0.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 3 (T4187-3)	/ Corn Silage	2.33	\$67	\$157	\$16	\$36	\$36	\$85	\$119	\$278
Inwood South 4 (T4187-4)	/ Alfalfa Hay	0.77	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 5 (T4187-5)	/ Corn Silage	2.92	\$57	\$168	\$13	\$39	\$36	\$106	\$107	\$312
Inwood South 5 (T4187-5) (A)	/ Corn Silage	0.5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 1S (T4660-1A)	/ Corn Silage	4.8	\$57	\$276	\$13	\$63	\$36	\$175	\$107	\$514
Inwood South 1S (T4660-1A) (A)	/ Corn Silage	32.8	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 1SB (T4660-1B)	/ Corn Silage	14.4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 2S (T4660-2)	/ Alfalfa Hay	5.47	(18)	(96)	\$0	\$0	\$0	\$0	(18)	(96)
Inwood South 3S (T4660-3)	/ Corn Silage	1.84	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 4S (T4660-4A)	/ Corn Silage	26	\$39	\$1,019	\$9	\$239	\$34	\$879	\$82	\$2,137
Inwood South 4SB (T4660-4B)	/ Corn Silage	0.04	\$44	\$2	\$28	\$1	\$34	\$1	\$106	\$4
Inwood South 4SB (T4660-4B) (A)	/ Corn Silage	7.36	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 5S (T4660-5)	/ Corn Silage	3.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 5S (T4660-5) (A)	/ Corn Silage	1.7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 6S (T4660-6)	/ Corn Silage	2.1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Based on Crop Nutrient Uptake Only, Carry Over Nutrients NOT Included in Values.

## MANURE FERTILIZER VALUE

			NITROGEN		PHOSPHORUS		POTASSIUM			
			\$	0.35	\$	0.40	\$	0.20		
Inwood South 6S (T4660-6) (A)	/ Corn Silage	1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 7SB (T4660-7B)	/ Corn Silage	42.3	\$27	\$1,155	\$19	\$812	\$21	\$888	\$68	\$2,855
Inwood South 7SB (T4660-7B) (A)	/ Corn Silage	4.7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 7SN (T4660-7N)	/ Alfalfa Hay	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 7SN (T4660-7N) (A)	/ Alfalfa Hay	5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 7SC (T4660-7C)	/ Corn Silage	5	\$35	\$173	\$24	\$122	\$27	\$134	\$86	\$429
Inwood Farms (T4271-1)	/ Corn Silage	6.51	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-1) (A)	/ Corn Silage	2.5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-2)	/ Corn Silage	3.89	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-3)	/ Corn Silage	8.85	\$38	\$335	\$19	\$172	\$25	\$223	\$82	\$730
Inwood Farms (T4271-4)	/ Corn Silage	6.02	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-5)	/ Corn Silage	2.83	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Zeller's Crest (T1815-1)	Alfalfa Hay /	37.68	(18)	(659)	\$0	\$0	\$0	\$0	(18)	(659)
Zeller's Crest (T1815-1) (A)	Alfalfa Hay /	7.3	(18)	(128)	\$0	\$0	\$0	\$0	(18)	(128)
Zeller's Crest (T1815-2)	Alfalfa Hay /	11.75	(18)	(206)	\$0	\$0	\$0	\$0	(18)	(206)
Zeller's Crest (T1815-3)	Alfalfa Hay /	13.89	(18)	(243)	\$0	\$0	\$0	\$0	(18)	(243)
65 Acres 1 (T4188-1)	Alfalfa Hay /	33.68	(18)	(589)	\$0	\$0	\$0	\$0	(18)	(589)
65 Acres 2 (T4188-2)	Alfalfa Hay /	0.32	(18)	(6)	\$0	\$0	\$0	\$0	(18)	(6)
65 Acres 3 (T4188-3)	Alfalfa Hay /	10.71	(18)	(187)	\$0	\$0	\$0	\$0	(18)	(187)
65 Acres (T4659-2)	Alfalfa Hay /	12.5	(18)	(219)	\$0	\$0	\$0	\$0	(18)	(219)
65 Acres (T4659-4)	Alfalfa Hay /	6.96	(18)	(122)	\$0	\$0	\$0	\$0	(18)	(122)
		TOTAL	\$12,345		\$5,801		\$10,141		\$28,288	

Based on Crop Nutrient Uptake Only, Carry Over Nutrients **NOT** Included in Values.

# MANURE FERTILIZER VALUE

NITROGEN	PHOSPHORUS	POTASSIUM
\$ 0.35	\$ 0.40	\$ 0.20

CROP YEAR

2010

MANURE NUTRIENT VALUE

FIELD #	CROP	ACRES	NITROGEN		PHOSPHORUS		POTASSIUM		TOTAL VALUE	
			\$/Ac	\$/FIELD	\$/Ac	\$/FIELD	\$/Ac	\$/FIELD	\$/Ac	\$/FIELD
Inwood North 2 (T4186-2)	/ Corn Silage	-0.02	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 2 (T4186-2) (A)	/ Corn Silage	40.29	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 1 (T4185-1B)	/ Corn Silage	3.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 1 (T4185-1B) (A)	/ Corn Silage	37.7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 2 (T4185-1A)	/ Corn Silage	40	\$42	\$1,666	\$10	\$384	\$36	\$1,448	\$87	\$3,498
Inwood North 3 (T4185-2)	/ Corn Silage	2.66	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 3 (T4185-3)	/ Corn Silage	13.75	\$42	\$573	\$10	\$132	\$36	\$498	\$87	\$1,202
Inwood North 4 (T4185-4)	/ Corn Silage	31.75	\$42	\$1,322	\$10	\$305	\$36	\$1,149	\$87	\$2,777
Inwood North 5 (T4185-5)	/ Corn Silage	4.7	\$42	\$196	\$10	\$45	\$36	\$170	\$87	\$411
Inwood North 6 (T4185-6)	/ Corn Silage	38.05	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 7 (T4185-7)	/ Corn Silage	20.38	\$37	\$763	\$28	\$572	\$23	\$477	\$89	\$1,812
Inwood North 8 (T4185-8)	/ Corn Silage	4.22	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 10 (T4185-10)	/ Corn Silage	6.09	\$50	\$303	\$12	\$71	\$36	\$222	\$98	\$595
Inwood North 11 (T4185-11)	/ Corn Silage	58.55	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 1 (T4187-1E)	/ Corn Silage	73.6	\$42	\$3,065	\$10	\$707	\$36	\$2,664	\$87	\$6,436
Inwood South 2 (T4187-1W)	/ Corn Silage	15.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 2 (T4187-1W) (A)	/ Corn Silage	69.8	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 2 (T4187-2)	/ Corn Silage	4.16	\$47	\$195	\$11	\$45	\$36	\$151	\$94	\$391
Inwood South 2 (T4187-2) (A)	/ Corn Silage	0.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 3 (T4187-3)	/ Corn Silage	2.33	\$47	\$109	\$11	\$25	\$36	\$85	\$94	\$219
Inwood South 4 (T4187-4)	/ Alfalfa Hay	0.77	(18)	(13)	\$0	\$0	\$0	\$0	(18)	(13)
Inwood South 5 (T4187-5)	/ Corn Silage	2.92	\$36	\$106	\$8	\$25	\$32	\$92	\$76	\$223
Inwood South 5 (T4187-5) (A)	/ Corn Silage	0.5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 1S (T4660-1A)	/ Corn Silage	4.8	\$47	\$225	\$11	\$52	\$36	\$175	\$94	\$452
Inwood South 1S (T4660-1A) (A)	/ Corn Silage	32.8	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 1SB (T4660-1B)	/ Corn Silage	14.4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 2S (T4660-2)	/ Alfalfa Hay	5.47	(18)	(96)	\$0	\$0	\$0	\$0	(18)	(96)
Inwood South 3S (T4660-3)	/ Corn Silage	1.84	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 4S (T4660-4A)	/ Corn Silage	26	\$39	\$1,019	\$9	\$239	\$34	\$879	\$82	\$2,137
Inwood South 4SB (T4660-4B)	/ Corn Silage	0.04	\$43	\$2	\$28	\$1	\$27	\$1	\$97	\$4
Inwood South 4SB (T4660-4B) (A)	/ Corn Silage	7.36	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 5S (T4660-5)	/ Corn Silage	3.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 5S (T4660-5) (A)	/ Corn Silage	1.7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 6S (T4660-6)	/ Corn Silage	2.1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Based on Crop Nutrient Uptake Only, Carry Over Nutrients NOT Included in Values.

## MANURE FERTILIZER VALUE

			NITROGEN		PHOSPHORUS		POTASSIUM			
			\$	0.35	\$	0.40	\$	0.20		
Inwood South 6S (T4660-6) (A)	/ Corn Silage	1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 7SB (T4660-7B)	/ Corn Silage	42.3	\$26	\$1,110	\$28	\$1,188	\$16	\$694	\$71	\$2,992
Inwood South 7SB (T4660-7B) (A)	/ Corn Silage	4.7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 7SN (T4660-7N)	/ Alfalfa Hay	0	(18)	\$0	\$0	\$0	\$0	\$0	(18)	\$0
Inwood South 7SN (T4660-7N) (A)	/ Alfalfa Hay	5	(18)	(88)	\$0	\$0	\$0	\$0	(18)	(88)
Inwood South 7SC (T4660-7C)	/ Beans	5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-1)	/ Beans	6.51	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-1) (A)	/ Beans	2.5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-2)	/ Beans	3.89	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-3)	/ Beans	8.85	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-4)	/ Beans	6.02	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-5)	/ Beans	2.83	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Zeller's Crest (T1815-1)	Alfalfa Hay /	37.68	(18)	(659)	\$0	\$0	\$0	\$0	(18)	(659)
Zeller's Crest (T1815-1) (A)	Alfalfa Hay /	7.3	(18)	(128)	\$0	\$0	\$0	\$0	(18)	(128)
Zeller's Crest (T1815-2)	Alfalfa Hay /	11.75	(18)	(206)	\$0	\$0	\$0	\$0	(18)	(206)
Zeller's Crest (T1815-3)	Alfalfa Hay /	13.89	(18)	(243)	\$0	\$0	\$0	\$0	(18)	(243)
65 Acres 1 (T4188-1)	Alfalfa Hay /	33.68	(18)	(589)	\$0	\$0	\$0	\$0	(18)	(589)
65 Acres 2 (T4188-2)	Alfalfa Hay /	0.32	(18)	(6)	\$0	\$0	\$0	\$0	(18)	(6)
65 Acres 3 (T4188-3)	Alfalfa Hay /	10.71	(18)	(187)	\$0	\$0	\$0	\$0	(18)	(187)
65 Acres (T4659-2)	Alfalfa Hay /	12.5	(18)	(219)	\$0	\$0	\$0	\$0	(18)	(219)
65 Acres (T4659-4)	Alfalfa Hay /	6.96	(18)	(122)	\$0	\$0	\$0	\$0	(18)	(122)
		TOTAL	\$8,100		\$3,790		\$8,705		\$20,595	

Based on Crop Nutrient Uptake Only, Carry Over Nutrients **NOT** Included in Values.



# MANURE FERTILIZER VALUE

NITROGEN	PHOSPHORUS	POTASSIUM
\$ 0.35	\$ 0.40	\$ 0.20

CROP YEAR		2011	MANURE NUTRIENT VALUE							
FIELD #	CROP	ACRES	NITROGEN		PHOSPHORUS		POTASSIUM		TOTAL VALUE	
			\$/Ac	\$/FIELD	\$/Ac	\$/FIELD	\$/Ac	\$/FIELD	\$/Ac	\$/FIELD
Inwood North 2 (T4186-2)	/ Corn Silage	-0.02	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 2 (T4186-2) (A)	/ Corn Silage	40.29	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 1 (T4185-1B)	/ Corn Silage	3.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 1 (T4185-1B) (A)	/ Corn Silage	37.7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 2 (T4185-1A)	/ Corn Silage	40	\$50	\$2,016	\$28	\$1,123	\$36	\$1,432	\$114	\$4,571
Inwood North 3 (T4185-2)	/ Corn Silage	2.66	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 3 (T4185-3)	/ Corn Silage	13.75	\$50	\$693	\$28	\$386	\$36	\$492	\$114	\$1,571
Inwood North 4 (T4185-4)	/ Corn Silage	31.75	\$50	\$1,600	\$28	\$892	\$36	\$1,137	\$114	\$3,628
Inwood North 5 (T4185-5)	/ Corn Silage	4.7	\$50	\$237	\$28	\$132	\$36	\$168	\$114	\$537
Inwood North 6 (T4185-6)	/ Corn Silage	38.05	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 7 (T4185-7)	/ Corn Silage	20.38	\$37	\$763	\$28	\$572	\$23	\$477	\$89	\$1,812
Inwood North 8 (T4185-8)	/ Corn Silage	4.22	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 10 (T4185-10)	/ Corn Silage	6.09	\$60	\$362	\$28	\$171	\$36	\$222	\$124	\$755
Inwood North 11 (T4185-11)	/ Corn Silage	58.55	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 1 (T4187-1E)	/ Corn Silage	73.6	\$50	\$3,709	\$28	\$2,067	\$36	\$2,635	\$114	\$8,411
Inwood South 2 (T4187-1W)	/ Corn Silage	15.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 2 (T4187-1W) (A)	/ Corn Silage	69.8	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 2 (T4187-2)	/ Corn Silage	4.16	\$56	\$234	\$28	\$117	\$36	\$151	\$121	\$503
Inwood South 2 (T4187-2) (A)	/ Corn Silage	0.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 3 (T4187-3)	/ Corn Silage	2.33	\$56	\$131	\$28	\$65	\$36	\$85	\$121	\$282
Inwood South 4 (T4187-4)	/ Alfalfa Hay	0.77	(18)	(13)	\$0	\$0	\$0	\$0	(18)	(13)
Inwood South 5 (T4187-5)	/ Corn Silage	2.92	\$44	\$129	\$28	\$82	\$31	\$92	\$104	\$302
Inwood South 5 (T4187-5) (A)	/ Corn Silage	0.5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 1S (T4660-1A)	Wheat Straw / Corn Silage	4.8	\$56	\$270	\$36	\$173	\$40	\$193	\$133	\$636
Inwood South 1S (T4660-1A) (A)	Wheat Straw / Corn Silage	32.8	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 1SB (T4660-1B)	/ Corn Silage	14.4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 2S (T4660-2)	/ Alfalfa Hay	5.47	(18)	(96)	\$0	\$0	\$0	\$0	(18)	(96)
Inwood South 3S (T4660-3)	/ Corn Silage	1.84	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 4S (T4660-4A)	/ Corn Silage	26	\$47	\$1,229	\$28	\$730	\$34	\$874	\$109	\$2,832
Inwood South 4SB (T4660-4B)	/ Alfalfa Hay	0.04	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 4SB (T4660-4B) (A)	/ Alfalfa Hay	7.36	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 5S (T4660-5)	/ Corn Silage	3.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 5S (T4660-5) (A)	/ Corn Silage	1.7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 6S (T4660-6)	/ Corn Silage	2.1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Based on Crop Nutrient Uptake Only, Carry Over Nutrients NOT Included in Values.

## MANURE FERTILIZER VALUE

			NITROGEN		PHOSPHORUS		POTASSIUM			
			\$	0.35	\$	0.40	\$	0.20		
Inwood South 6S (T4660-6) (A)	/ Corn Silage	1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 7SB (T4660-7B)	/ Corn Silage	42.3	\$26	\$1,110	\$28	\$1,188	\$16	\$694	\$71	\$2,992
Inwood South 7SB (T4660-7B) (A)	/ Corn Silage	4.7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 7SN (T4660-7N)	/ Alfalfa Hay	0	(18)	\$0	\$0	\$0	\$0	\$0	(18)	\$0
Inwood South 7SN (T4660-7N) (A)	/ Alfalfa Hay	5	(18)	(88)	\$0	\$0	\$0	\$0	(18)	(88)
Inwood South 7SC (T4660-7C)	Wheat Straw / Corn Silage	5	\$33	\$166	\$36	\$180	\$21	\$104	\$90	\$451
Inwood Farms (T4271-1)	Wheat Straw / Corn Silage	6.51	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-1) (A)	Wheat Straw / Corn Silage	2.5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-2)	Wheat Straw / Corn Silage	3.89	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-3)	Wheat Straw / Corn Silage	8.85	\$36	\$322	\$27	\$243	\$23	\$202	\$87	\$767
Inwood Farms (T4271-4)	Wheat Straw / Corn Silage	6.02	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-5)	Wheat Straw / Corn Silage	2.83	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Zeller's Crest (T1815-1)	Alfalfa Hay /	37.68	(18)	(659)	\$0	\$0	\$0	\$0	(18)	(659)
Zeller's Crest (T1815-1) (A)	Alfalfa Hay /	7.3	(18)	(128)	\$0	\$0	\$0	\$0	(18)	(128)
Zeller's Crest (T1815-2)	Alfalfa Hay /	11.75	(18)	(206)	\$0	\$0	\$0	\$0	(18)	(206)
Zeller's Crest (T1815-3)	Alfalfa Hay /	13.89	(18)	(243)	\$0	\$0	\$0	\$0	(18)	(243)
65 Acres 1 (T4188-1)	Alfalfa Hay /	33.68	(18)	(589)	\$0	\$0	\$0	\$0	(18)	(589)
65 Acres 2 (T4188-2)	Alfalfa Hay /	0.32	(18)	(6)	\$0	\$0	\$0	\$0	(18)	(6)
65 Acres 3 (T4188-3)	Alfalfa Hay /	10.71	(18)	(187)	\$0	\$0	\$0	\$0	(18)	(187)
65 Acres (T4659-2)	Alfalfa Hay /	12.5	(18)	(219)	\$0	\$0	\$0	\$0	(18)	(219)
65 Acres (T4659-4)	Alfalfa Hay /	6.96	(18)	(122)	\$0	\$0	\$0	\$0	(18)	(122)
TOTAL			\$10,418		\$8,121		\$8,957		\$27,495	

Based on Crop Nutrient Uptake Only, Carry Over Nutrients **NOT** Included in Values.



# MANURE FERTILIZER VALUE

NITROGEN	PHOSPHORUS	POTASSIUM
\$ 0.35	\$ 0.40	\$ 0.20

CROP YEAR		2012	MANURE NUTRIENT VALUE							
FIELD #	CROP	ACRES	NITROGEN		PHOSPHORUS		POTASSIUM		TOTAL VALUE	
			\$/Ac	\$/FIELD	\$/Ac	\$/FIELD	\$/Ac	\$/FIELD	\$/Ac	\$/FIELD
Inwood North 2 (T4186-2)	/ Corn Silage	-0.02	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 2 (T4186-2) (A)	/ Corn Silage	40.29	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 1 (T4185-1B)	/ Corn Silage	3.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 1 (T4185-1B) (A)	/ Corn Silage	37.7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 2 (T4185-1A)	/ Corn Silage	40	\$50	\$2,016	\$28	\$1,123	\$36	\$1,432	\$114	\$4,571
Inwood North 3 (T4185-2)	/ Corn Silage	2.66	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 3 (T4185-3)	/ Corn Silage	13.75	\$50	\$693	\$28	\$386	\$36	\$492	\$114	\$1,571
Inwood North 4 (T4185-4)	/ Corn Silage	31.75	\$50	\$1,600	\$28	\$892	\$36	\$1,137	\$114	\$3,628
Inwood North 5 (T4185-5)	/ Corn Silage	4.7	\$50	\$237	\$28	\$132	\$36	\$168	\$114	\$537
Inwood North 6 (T4185-6)	/ Corn Silage	38.05	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 7 (T4185-7)	/ Corn Silage	20.38	\$37	\$763	\$28	\$572	\$23	\$477	\$89	\$1,812
Inwood North 8 (T4185-8)	/ Corn Silage	4.22	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 10 (T4185-10)	/ Corn Silage	6.09	\$60	\$362	\$28	\$171	\$36	\$222	\$124	\$755
Inwood North 11 (T4185-11)	/ Corn Silage	58.55	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 1 (T4187-1E)	/ Corn Silage	73.6	\$50	\$3,709	\$28	\$2,067	\$36	\$2,635	\$114	\$8,411
Inwood South 2 (T4187-1W)	/ Corn Silage	15.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 2 (T4187-1W) (A)	/ Corn Silage	69.8	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 2 (T4187-2)	/ Corn Silage	4.16	\$56	\$234	\$28	\$117	\$36	\$151	\$121	\$503
Inwood South 2 (T4187-2) (A)	/ Corn Silage	0.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 3 (T4187-3)	/ Corn Silage	2.33	\$56	\$131	\$28	\$65	\$36	\$85	\$121	\$282
Inwood South 4 (T4187-4)	/ Alfalfa Hay	0.77	(18)	(13)	\$0	\$0	\$0	\$0	(18)	(13)
Inwood South 5 (T4187-5)	/ Corn Silage	2.92	\$44	\$129	\$28	\$82	\$31	\$92	\$104	\$302
Inwood South 5 (T4187-5) (A)	/ Corn Silage	0.5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 1S (T4660-1A)	/ Corn Silage	4.8	\$56	\$270	\$28	\$135	\$36	\$175	\$121	\$580
Inwood South 1S (T4660-1A) (A)	/ Corn Silage	32.8	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 1SB (T4660-1B)	/ Corn Silage	14.4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 2S (T4660-2)	/ Alfalfa Hay	5.47	(18)	(96)	\$0	\$0	\$0	\$0	(18)	(96)
Inwood South 3S (T4660-3)	/ Corn Silage	1.84	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 4S (T4660-4A)	/ Corn Silage	26	\$47	\$1,229	\$28	\$730	\$34	\$874	\$109	\$2,832
Inwood South 4SB (T4660-4B)	/ Alfalfa Hay	0.04	(18)	(1)	\$0	\$0	\$0	\$0	(18)	(1)
Inwood South 4SB (T4660-4B) (A)	/ Alfalfa Hay	7.36	(18)	(129)	\$0	\$0	\$0	\$0	(18)	(129)
Inwood South 5S (T4660-5)	/ Corn Silage	3.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 5S (T4660-5) (A)	/ Corn Silage	1.7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 6S (T4660-6)	/ Corn Silage	2.1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Based on Crop Nutrient Uptake Only, Carry Over Nutrients NOT Included in Values.

## MANURE FERTILIZER VALUE

			NITROGEN		PHOSPHORUS		POTASSIUM			
			\$	0.35	\$	0.40	\$	0.20		
Inwood South 6S (T4660-6) (A)	/ Corn Silage	1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 7SB (T4660-7B)	/ Corn Silage	42.3	\$26	\$1,110	\$28	\$1,188	\$16	\$694	\$71	\$2,992
Inwood South 7SB (T4660-7B) (A)	/ Corn Silage	4.7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 7SN (T4660-7N)	/ Alfalfa Hay	0	(18)	\$0	\$0	\$0	\$0	\$0	(18)	\$0
Inwood South 7SN (T4660-7N) (A)	/ Alfalfa Hay	5	(18)	(88)	\$0	\$0	\$0	\$0	(18)	(88)
Inwood South 7SC (T4660-7C)	/ Corn Silage	5	\$33	\$166	\$28	\$140	\$21	\$104	\$82	\$411
Inwood Farms (T4271-1)	/ Corn Silage	6.51	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-1) (A)	/ Corn Silage	2.5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-2)	/ Corn Silage	3.89	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-3)	/ Corn Silage	8.85	\$36	\$322	\$19	\$172	\$23	\$202	\$79	\$696
Inwood Farms (T4271-4)	/ Corn Silage	6.02	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-5)	/ Corn Silage	2.83	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Zeller's Crest (T1815-1)	Alfalfa Hay /	37.68	(18)	(659)	\$0	\$0	\$0	\$0	(18)	(659)
Zeller's Crest (T1815-1) (A)	Alfalfa Hay /	7.3	(18)	(128)	\$0	\$0	\$0	\$0	(18)	(128)
Zeller's Crest (T1815-2)	Alfalfa Hay /	11.75	(18)	(206)	\$0	\$0	\$0	\$0	(18)	(206)
Zeller's Crest (T1815-3)	Alfalfa Hay /	13.89	(18)	(243)	\$0	\$0	\$0	\$0	(18)	(243)
65 Acres 1 (T4188-1)	Alfalfa Hay /	33.68	(18)	(589)	\$0	\$0	\$0	\$0	(18)	(589)
65 Acres 2 (T4188-2)	Alfalfa Hay /	0.32	(18)	(6)	\$0	\$0	\$0	\$0	(18)	(6)
65 Acres 3 (T4188-3)	Alfalfa Hay /	10.71	(18)	(187)	\$0	\$0	\$0	\$0	(18)	(187)
65 Acres (T4659-2)	Alfalfa Hay /	12.5	(18)	(219)	\$0	\$0	\$0	\$0	(18)	(219)
65 Acres (T4659-4)	Alfalfa Hay /	6.96	(18)	(122)	\$0	\$0	\$0	\$0	(18)	(122)
		TOTAL	\$10,288		\$7,972		\$8,938		\$27,199	

Based on Crop Nutrient Uptake Only, Carry Over Nutrients **NOT** Included in Values.

# MANURE FERTILIZER VALUE

NITROGEN	PHOSPHORUS	POTASSIUM
\$ 0.35	\$ 0.40	\$ 0.20

CROP YEAR		2013	MANURE NUTRIENT VALUE							
FIELD #	CROP	ACRES	NITROGEN		PHOSPHORUS		POTASSIUM		TOTAL VALUE	
			\$/Ac	\$/FIELD	\$/Ac	\$/FIELD	\$/Ac	\$/FIELD	\$/Ac	\$/FIELD
Inwood North 2 (T4186-2)	/ Corn Silage	-0.02	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 2 (T4186-2) (A)	/ Corn Silage	40.29	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 1 (T4185-1B)	/ Corn Silage	3.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 1 (T4185-1B) (A)	/ Corn Silage	37.7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 2 (T4185-1A)	/ Corn Silage	40	\$50	\$2,016	\$28	\$1,123	\$36	\$1,432	\$114	\$4,571
Inwood North 3 (T4185-2)	/ Corn Silage	2.66	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 3 (T4185-3)	/ Corn Silage	13.75	\$50	\$693	\$28	\$386	\$36	\$492	\$114	\$1,571
Inwood North 4 (T4185-4)	/ Corn Silage	31.75	\$50	\$1,600	\$28	\$892	\$36	\$1,137	\$114	\$3,628
Inwood North 5 (T4185-5)	/ Corn Silage	4.7	\$50	\$237	\$28	\$132	\$36	\$168	\$114	\$537
Inwood North 6 (T4185-6)	/ Corn Silage	38.05	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 7 (T4185-7)	/ Corn Silage	20.38	\$37	\$763	\$28	\$572	\$23	\$477	\$89	\$1,812
Inwood North 8 (T4185-8)	/ Corn Silage	4.22	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood North 10 (T4185-10)	/ Corn Silage	6.09	\$60	\$362	\$28	\$171	\$36	\$222	\$124	\$755
Inwood North 11 (T4185-11)	/ Corn Silage	58.55	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 1 (T4187-1E)	/ Beans	73.6	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 2 (T4187-1W)	/ Corn Silage	15.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 2 (T4187-1W) (A)	/ Corn Silage	69.8	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 2 (T4187-2)	/ Corn Silage	4.16	\$56	\$234	\$28	\$117	\$36	\$151	\$121	\$503
Inwood South 2 (T4187-2) (A)	/ Corn Silage	0.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 3 (T4187-3)	/ Corn Silage	2.33	\$56	\$131	\$28	\$65	\$36	\$85	\$121	\$282
Inwood South 4 (T4187-4)	/ Alfalfa Hay	0.77	(18)	(13)	\$0	\$0	\$0	\$0	(18)	(13)
Inwood South 5 (T4187-5)	/ Corn Silage	2.92	\$44	\$129	\$28	\$82	\$31	\$92	\$104	\$302
Inwood South 5 (T4187-5) (A)	/ Corn Silage	0.5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 1S (T4660-1A)	/ Beans	4.8	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 1S (T4660-1A) (A)	/ Beans	32.8	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 1SB (T4660-1B)	/ Corn Silage	14.4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 2S (T4660-2)	/ Alfalfa Hay	5.47	(18)	(96)	\$0	\$0	\$0	\$0	(18)	(96)
Inwood South 3S (T4660-3)	/ Corn Silage	1.84	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 4S (T4660-4A)	/ Corn Silage	26	\$47	\$1,229	\$28	\$730	\$34	\$874	\$109	\$2,832
Inwood South 4SB (T4660-4B)	/ Alfalfa Hay	0.04	(18)	(1)	\$0	\$0	\$0	\$0	(18)	(1)
Inwood South 4SB (T4660-4B) (A)	/ Alfalfa Hay	7.36	(18)	(129)	\$0	\$0	\$0	\$0	(18)	(129)
Inwood South 5S (T4660-5)	/ Corn Silage	3.2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 5S (T4660-5) (A)	/ Beans	1.7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 6S (T4660-6)	/ Beans	2.1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Based on Crop Nutrient Uptake Only, Carry Over Nutrients NOT Included in Values.

## MANURE FERTILIZER VALUE

			NITROGEN		PHOSPHORUS		POTASSIUM			
			\$	0.35	\$	0.40	\$	0.20		
Inwood South 6S (T4660-6) (A)	/ Beans	1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 7SB (T4660-7B)	/ Beans	42.3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 7SB (T4660-7B) (A)	/ Beans	4.7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood South 7SN (T4660-7N)	/ Alfalfa Hay	0	(18)	\$0	\$0	\$0	\$0	\$0	(18)	\$0
Inwood South 7SN (T4660-7N) (A)	/ Alfalfa Hay	5	(18)	(88)	\$0	\$0	\$0	\$0	(18)	(88)
Inwood South 7SC (T4660-7C)	/ Beans	5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-1)	/ Beans	6.51	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-1) (A)	/ Beans	2.5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-2)	/ Beans	3.89	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-3)	/ Beans	8.85	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-4)	/ Beans	6.02	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inwood Farms (T4271-5)	/ Beans	2.83	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Zeller's Crest (T1815-1)	Alfalfa Hay /	37.68	(18)	(659)	\$0	\$0	\$0	\$0	(18)	(659)
Zeller's Crest (T1815-1) (A)	Alfalfa Hay /	7.3	(18)	(128)	\$0	\$0	\$0	\$0	(18)	(128)
Zeller's Crest (T1815-2)	Alfalfa Hay /	11.75	(18)	(206)	\$0	\$0	\$0	\$0	(18)	(206)
Zeller's Crest (T1815-3)	Alfalfa Hay /	13.89	(18)	(243)	\$0	\$0	\$0	\$0	(18)	(243)
65 Acres 1 (T4188-1)	Alfalfa Hay /	33.68	(18)	(589)	\$0	\$0	\$0	\$0	(18)	(589)
65 Acres 2 (T4188-2)	Alfalfa Hay /	0.32	(18)	(6)	\$0	\$0	\$0	\$0	(18)	(6)
65 Acres 3 (T4188-3)	Alfalfa Hay /	10.71	(18)	(187)	\$0	\$0	\$0	\$0	(18)	(187)
65 Acres (T4659-2)	Alfalfa Hay /	12.5	(18)	(219)	\$0	\$0	\$0	\$0	(18)	(219)
65 Acres (T4659-4)	Alfalfa Hay /	6.96	(18)	(122)	\$0	\$0	\$0	\$0	(18)	(122)
		TOTAL	\$4,710		\$4,270		\$5,129		\$14,109	

Based on Crop Nutrient Uptake Only, Carry Over Nutrients **NOT** Included in Values.