

Cold Springs Farm

238-08012A

VERSION 14.01











Manure Nutrient Management Plan

February 17, 2009

Crop Years

2009 - 2014

Table of Contents

	Available Nutrients Calculations
	Manure Sources and Analysis
	Crop Rotations and Yields
	Manure Applications
	Five Year Manure Management Plan
	Median Soil Test Data
	Commercial Fertilizer Types
	Commercial Fertilizer Applications
	Annual Nutrient Balances
	Projected Soil P and K Levels



Available Nutrients Calculations

		START YEAR			2009		
Manure Analysis		Dirt Lots	Concrete lots	Holding Ponds			
Source #		1	2	3			
		BEEF SOLID W/O BED SOLID BROADCAST W/O INCORP	BEEF SOLID W/O BED SOLID BROADCAST W/O INCORP	BEEF ANAEROBIC LIQUID BROADCAST W/O INCORP			
Source							
2006	# NH3 / k Gal or ton	4.35	7.21	1.50			
	# Org. N / k Gal or ton	2.90	4.80	1.00			
	# TOTAL N/ k Gal or ton	7.25	12	2.50			
	# 1YR PAN / k Gal or ton	4.06	6.73	1.43			
	# P2O5/ k Gal or ton	11	11	1.30			
	# K2O/ k Gal or ton	4.46	7.70	6.30			
2007	# NH3 / k Gal or ton	4.35	7.21	1.50			
	# Org. N / k Gal or ton	2.90	4.80	1.00			
	# TOTAL N/ k Gal or ton	7.25	12	2.50			
	# 1YR PAN / k Gal or ton	4.06	6.73	1.43			
	# P2O5/ k Gal or ton	11	11	1.30			
	# K2O/ k Gal or ton	4.46	7.70	6.30			
2008	# NH3 / k Gal or ton	4.35	7.21	1.50			
	# Org. N / k Gal or ton	2.90	4.80	1.00			
	# TOTAL N/ k Gal or ton	7.25	12	2.50			
	# 1YR PAN / k Gal or ton	4.06	6.73	1.43			
	# P2O5/ k Gal or ton	11	11	1.30			
	# K2O/ k Gal or ton	4.46	7.70	6.30			
2009	# NH3 / k Gal or ton	4.35	7.21	1.50			
	# Org. N / k Gal or ton	2.90	4.80	1.00			
	# TOTAL N/ k Gal or ton	7.25	12	2.50			
	# 1YR PAN / k Gal or ton	4.06	6.73	1.43			
	# P2O5/ k Gal or ton	11	11	1.30			
	# K2O/ k Gal or ton	4.46	7.70	6.30			
2010	# NH3 / k Gal or ton	4.35	7.21	1.50			
	# Org. N / k Gal or ton	2.90	4.80	1.00			
	# TOTAL N/ k Gal or ton	7.25	12	2.50			
	# 1YR PAN / k Gal or ton	4.06	6.73	1.43			
	# P2O5/ k Gal or ton	11	11	1.30			
	# K2O/ k Gal or ton	4.46	7.70	6.30			
2011	# NH3 / k Gal or ton	4.35	7.21	1.50			
	# Org. N / k Gal or ton	2.90	4.80	1.00			
	# TOTAL N/ k Gal or ton	7.25	12	2.50			
	# 1YR PAN / k Gal or ton	4.06	6.73	1.43			
	# P2O5/ k Gal or ton	11	11	1.30			
	# K2O/ k Gal or ton	4.46	7.70	6.30			
2012	# NH3 / k Gal or ton	4.35	7.21	1.50			
	# Org. N / k Gal or ton	2.90	4.80	1.00			
	# TOTAL N/ k Gal or ton	7.25	12	2.50			
	# 1YR PAN / k Gal or ton	4.06	6.73	1.43			
	# P2O5/ k Gal or ton	11	11	1.30			
	# K2O/ k Gal or ton	4.46	7.70	6.30			
2013	# NH3 / k Gal or ton	4.35	7.21	1.50			
	# Org. N / k Gal or ton	2.90	4.80	1.00			
	# TOTAL N/ k Gal or ton	7.25	12	2.50			
	# 1YR PAN / k Gal or ton	4.06	6.73	1.43			
	# P2O5/ k Gal or ton	11	11	1.30			
	# K2O/ k Gal or ton	4.46	7.70	6.30			
2014	# NH3 / k Gal or ton	4.35	7.21	1.50			
	# Org. N / k Gal or ton	2.90	4.80	1.00			
	# TOTAL N/ k Gal or ton	7.25	12	2.50			
	# 1YR PAN / k Gal or ton	4.06	6.73	1.43			
	# P2O5/ k Gal or ton	11	11	1.30			
	# K2O/ k Gal or ton	4.46	7.70	6.30			

[illegible]

2006

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	BEEF	SOLID W/O BED	SOLID	BROADCAST W/O INCORP	TON	2500	4.35	2.9	7.25	10.51	4.46
2	BEEF	SOLID W/O BED	SOLID	BROADCAST W/O INCORP	TON	1500	7.21	4.8	12.02	10.86	7.7
3	BEEF	ANAEROBIC	LIQUID	BROADCAST W/O INCORP	1000 GAL	2500	1.5	1	2.5	1.3	6.3

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	BEEF	SOLID W/O BED	SOLID	BROADCAST W/O INCORP	TON	2500	4.35	2.9	7.25	10.51	4.46
2	BEEF	SOLID W/O BED	SOLID	BROADCAST W/O INCORP	TON	1500	7.21	4.8	12.02	10.86	7.7
3	BEEF	ANAEROBIC	LIQUID	BROADCAST W/O INCORP	1000 GAL	2500	1.5	1	2.5	1.3	6.3
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	BEEF	SOLID W/O BED	SOLID	BROADCAST W/O INCORP	TON	2500	4.35	2.9	7.25	10.51	4.46
2	BEEF	SOLID W/O BED	SOLID	BROADCAST W/O INCORP	TON	1500	7.21	4.8	12.02	10.86	7.7
3	BEEF	ANAEROBIC	LIQUID	BROADCAST W/O INCORP	1000 GAL	2500	1.5	1	2.5	1.3	6.3
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

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	BEEF	SOLID W/O BED	SOLID	BROADCAST W/O INCORP	TON	2500	4.35	2.9	7.25	10.51	4.46
2	BEEF	SOLID W/O BED	SOLID	BROADCAST W/O INCORP	TON	1500	7.21	4.8	12.02	10.86	7.7
3	BEEF	ANAEROBIC	LIQUID	BROADCAST W/O INCORP	1000 GAL	2500	1.5	1	2.5	1.3	6.3
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
8	0	0	0	0	0	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
2010											
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	BEEF	SOLID W/O BED	SOLID	BROADCAST W/O INCORP	TON	2500	4.35	2.9	7.25	10.51	4.46
2	BEEF	SOLID W/O BED	SOLID	BROADCAST W/O INCORP	TON	1500	7.21	4.8	12.02	10.86	7.7
3	BEEF	ANAEROBIC	LIQUID	BROADCAST W/O INCORP	1000 GAL	2500	1.5	1	2.5	1.3	6.3
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
8	0	0	0	0	0	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
2011											
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	BEEF	SOLID W/O BED	SOLID	BROADCAST W/O INCORP	TON	2500	4.35	2.9	7.25	10.51	4.46
2	BEEF	SOLID W/O BED	SOLID	BROADCAST W/O INCORP	TON	1500	7.21	4.8	12.02	10.86	7.7
3	BEEF	ANAEROBIC	LIQUID	BROADCAST W/O INCORP	1000 GAL	2500	1.5	1	2.5	1.3	6.3
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
8	0	0	0	0	0	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

2012											
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	BEEF	SOLID W/O BED	SOLID	BROADCAST W/O INCORP	TON	2500	4.35	2.9	7.25	10.51	4.46
2	BEEF	SOLID W/O BED	SOLID	BROADCAST W/O INCORP	TON	1500	7.21	4.8	12.02	10.86	7.7
3	BEEF	ANAEROBIC	LIQUID	BROADCAST W/O INCORP	1000 GAL	2500	1.5	1	2.5	1.3	6.3
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
8	0	0	0	0	0	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
2013											
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	BEEF	SOLID W/O BED	SOLID	BROADCAST W/O INCORP	TON	2500	4.35	2.9	7.25	10.51	4.46
2	BEEF	SOLID W/O BED	SOLID	BROADCAST W/O INCORP	TON	1500	7.21	4.8	12.02	10.86	7.7
3	BEEF	ANAEROBIC	LIQUID	BROADCAST W/O INCORP	1000 GAL	2500	1.5	1	2.5	1.3	6.3
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
8	0	0	0	0	0	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
2014											
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	BEEF	SOLID W/O BED	SOLID	BROADCAST W/O INCORP	TON	2500	4.35	2.9	7.25	10.51	4.46
2	BEEF	SOLID W/O BED	SOLID	BROADCAST W/O INCORP	TON	1500	7.21	4.8	12.02	10.86	7.7
3	BEEF	ANAEROBIC	LIQUID	BROADCAST W/O INCORP	1000 GAL	2500	1.5	1	2.5	1.3	6.3
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
8	0	0	0	0	0	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

FIELD INFROMATION

FIELD NAME	TRACT #	TOTAL ACRES	NON-SPREADABLE ACRES	SPREADABLE ACRES
1A	T4047-1A	15.2		15.2
1B	T4047-1B	3.0		3.0
1C	T4047-1C	1.0		1.0
2crp	T4047-2	8.2	8.15	0.0
3crp	T4047-3	5.6	5.58	0.0
4crp	T4047-4	6.2	6.21	0.0
5crp	T4047-5	7.2	7.21	0.0
7crp	T4074-7	3.8	3.84	0.0
8graze	T4047-8	17.6		17.6
9graze	T4047-9	19.5		19.5
10corn	4047-10	61.3	2.18	59.1
11crp	4047-11	4.5	4.47	0.0
12graze	4047-12	40.8		40.8
13corn	4047-13	11.3		11.3
14crp	4047-14	6.3	6.3	0.0
15corn	4047-15	11.5	4.6	6.9
16corn	4047-16	14.6		14.6
17crp	4047-17	5.0	5.03	0.0
18hay	4047-18	35.4		35.4
19hay	4047-19	20.5		20.5
20corn	4047-20	6.9		6.9
21hay	4047-21	2.7		2.7
22corn	4047-22	10.6		10.6
23crp	4047-23	6.4	6.42	0.0
24graze	4047-24	23.7		23.7
25crp	4047-25	2.0	1.99	0.0
26crp	4047-26	8.9	8.49	0.4
27crp	4047-27	4.0	3.96	0.0
28hay	4047-28	7.5		7.5
29hay	4047-29	1.1		1.1
31hay	4047-31	5.3		5.3
37crp	4047-37	2.9	2.85	0.0
54graze	4047-54	6.9		6.9
56graze	4047-56	1.9		1.9
70crp	4047-70	7.0	6.98	0.0
71corn	4047-71	3.6		3.6
72corn	4047-72	1.5		1.47
73hay	4047-73	1.1		1.11
74corn	4047-74	13.0	2.72	10.25
75corn	4047-75	48.1	3.37	44.68
77corn	4047-77	32.3		32.32
80corn	4047-80A	22.5		22.48
80hay	4047-80B	11.6		11.62
81corn	4047-81A	22.2		22.2
81hay	4047-81B	17.8		17.83
82corn	4047-82A	43.9		43.89
82hay	4047-82B	50.2		50.18
89corn	4047-89A	15.8		15.79
89hay	4047-89B	4.9		4.9
90hay	4047-90	5.1		5.13

FIELD INFROMATION

FIELD NAME	TRACT #	TOTAL ACRES	NON-SPREADABLE ACRES	SPREADABLE ACRES
91ww	4047-91	0.3	0.32	0
92ww	4047-92	0.1	0.05	0
93ww	4047-93	0.3	0.3	0
94ww	4047-94	0.1	0.11	0
95ww	4047-95	0.1	0.06	0
96ww	4047-96	1.3	1.31	0
97ww	4047-97	0.2	0.21	0
98ww	4047-98	0.1	0.1	0
99ww	4047-99	0.1	0.1	0
100ww	4047-100	0.1	0.06	0
101ww	4047-101	0.13	0.13	0
102ww	4047-102	0.13	0.13	0
103ww	4047-103	2.94	2.94	0
104ww	4047-104	2.07	2.07	0
105ww	4047-105	0.63	0.63	0
107ww	4047-107	4.92	4.92	0
108corn	4047-108	55.68		55.68
115crp	4047-115	2.12	2.12	0
9hay	3605-9	14.23		14.23
12hay	3605-12	10.93		10.93
8hay	3608-8	6.98		6.98
14hay	3608-14	2.77		2.77
				0
				0
				0
				0
				0
				0
				0
				0
		795.9	105.91	690.0
				0
				0

Fields

110

Crop Rotations and Yields

		2007		2008		2009		2010		2011		2012		2013		2014	
Field #	Acres	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall
1A (T4047-1A)	15.24		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
1B (T4047-1B)	3		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
1C (T4047-1C)	1.02		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa
2crp (T4047-2)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
2crp (T4047-2) (A)	8.15	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
3crp (T4047-3)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
3crp (T4047-3) (A)	5.58	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
4crp (T4047-4)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
4crp (T4047-4) (A)	6.21	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
5crp (T4047-5)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
5crp (T4047-5) (A)	7.21	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
7crp (T4074-7)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
7crp (T4074-7) (A)	3.84	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
8graze (T4047-8)	17.63	Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM	
9graze (T4047-9)	19.51	Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM	
10corn (4047-10)	59.14		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
10corn (4047-10) (A)	2.18		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
11crp (4047-11)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
11crp (4047-11) (A)	4.47	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
12graze (4047-12)	40.78	Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM	
13corn (4047-13)	11.3		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
14crp (4047-14)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
14crp (4047-14) (A)	6.3	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
15corn (4047-15)	6.85		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
15corn (4047-15) (A)	4.6		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
16corn (4047-16)	14.59		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
17crp (4047-17)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
17crp (4047-17) (A)	5.03	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
18hay (4047-18)	35.41	Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa	
19hay (4047-19)	20.45	Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa	
20corn (4047-20)	6.94		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
21hay (4047-21)	2.73	Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa	
22corn (4047-22)	10.6		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
23crp (4047-23)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
23crp (4047-23) (A)	6.42	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
24graze (4047-24)	23.67	Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM	
25crp (4047-25)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
25crp (4047-25) (A)	1.99	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
26crp (4047-26)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
26crp (4047-26) (A)	8.94	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
27crp (4047-27)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
27crp (4047-27) (A)	3.96	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
28hay (4047-28)	7.45	Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa	
29hay (4047-29)	1.06	Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa	
31hay (4047-31)	5.31	Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa	
37crp (4047-37)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
37crp (4047-37) (A)	2.85	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
54graze (4047-54)	6.92	Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM	
56graze (4047-56)	1.93	Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM		Pasture MM	
70crp (4047-70)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
70crp (4047-70) (A)	6.98	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
71corn (4047-71)	3.56		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
72corn (4047-72)	1.47		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
73hay (4047-73)	1.11	Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa	
74corn (4047-74)	10.25		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
74corn (4047-74) (A)	2.72		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
75corn (4047-75)	44.68		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
75corn (4047-75) (A)	3.37		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
77corn (4047-77)	32.32		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
80corn (4047-80A)	22.48		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
80hay (4047-80B)	11.62	Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa	
81corn (4047-81A)	22.2		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
81hay (4047-81B)	17.83	Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa	

Fields

110

Crop Rotations and Yields

		2007		2008		2009		2010		2011		2012		2013		2014	
Field #	Acres	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall
82corn (4047-82A)	43.89		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
82hay (4047-82B)	50.18	Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa	
89corn (4047-89A)	15.79		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
89hay (4047-89B)	4.9	Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa	
90hay (4047-90)	5.13	Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa	
91ww (4047-91)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
91ww (4047-91) (A)	0.32	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
92ww (4047-92)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
92ww (4047-92) (A)	0.05	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
93ww (4047-93)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
93ww (4047-93) (A)	0.3	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
94ww (4047-94)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
94ww (4047-94) (A)	0.11	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
95ww (4047-95)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
95ww (4047-95) (A)	0.06	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
96ww (4047-96)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
96ww (4047-96) (A)	1.31	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
97ww (4047-97)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
97ww (4047-97) (A)	0.21	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
98ww (4047-98)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
98ww (4047-98) (A)	0.1	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
99ww (4047-99)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
99ww (4047-99) (A)	0.1	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
100ww (4047-100)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
100ww (4047-100) (A)	0.06	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
101ww (4047-101)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
101ww (4047-101) (A)	0.13	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
102ww (4047-102)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
102ww (4047-102) (A)	0.13	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
103ww (4047-103)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
103ww (4047-103) (A)	2.94	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
104ww (4047-104)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
104ww (4047-104) (A)	2.07	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
105ww (4047-105)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
105ww (4047-105) (A)	0.63	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
107ww (4047-107)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
107ww (4047-107) (A)	4.92	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
108corn (4047-108)	55.68		Corn		Corn		Corn		Corn		Corn		Corn		Corn		Corn
115crp (4047-115)	0	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
115crp (4047-115) (A)	2.12	CRP		CRP		CRP		CRP		CRP		CRP		CRP		CRP	
9hay (3605-9)	14.23	Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa	
12hay (3605-12)	10.93	Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa	
8hay (3608-8)	6.98	Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa	
14hay (3608-14)	2.77	Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa		Alfalfa	

MANURE APPLICATIONS

Crop Year 2009		2006 App. Rate per Acre	2006 Manure Source	2007 App. Rate per Acre (1,000 gal or tons)	2007 Manure Source	2008 App. Rate per Acre (1,000 gal or tons)	2008 Manure Source	2009 App. Rate per Acre (1,000 gal or tons)	2009 Manure Source	2010 App. Rate per Acre (1,000 gal or tons)	2010 Manure Source	2011 App. Rate per Acre (1,000 gal or tons)	2011 Manure Source	2012 App. Rate per Acre (1,000 gal or tons)	2012 Manure Source	2013 App. Rate per Acre (1,000 gal or tons)	2013 Manure Source	2014 App. Rate per Acre (1,000 gal or tons)	2014 Manure Source
Field #	Acres	(1,000 gal)		(1,000 gal or tons)		(1,000 gal or tons)		(1,000 gal or tons)		(1,000 gal or tons)		(1,000 gal or tons)		(1,000 gal or tons)		(1,000 gal or tons)		(1,000 gal or tons)	
1A (T4047-1A)	15.2							8	1	8	1	8	1	8	1	8	1	8	1
1B (T4047-1B)	3.0							8	1	8	1	8	1	8	1	8	1	8	1
1C (T4047-1C)	1.0							6.6	2	6.8	1	6.6	2	6.8	1	6.6	2	6.8	1
2crp (T4047-2)	0.0																		
2crp (T4047-2) (A)	8.2																		
3crp (T4047-3)	0.0																		
3crp (T4047-3) (A)	5.6																		
4crp (T4047-4)	0.0																		
4crp (T4047-4) (A)	6.2																		
5crp (T4047-5)	0.0																		
5crp (T4047-5) (A)	7.2																		
7crp (T4074-7)	0.0																		
7crp (T4074-7) (A)	3.8																		
8graze (T4047-8)	17.6							24	3	24	3	24	3	24	3	24	3	24	3
9graze (T4047-9)	19.5							24	3	24	3	24	3	24	3	24	3	24	3
10corn (4047-10)	59.1							8	1	8	1	8	1	8	1	8	1	8	1
10corn (4047-10) (A)	2.2																		
11crp (4047-11)	0.0																		
11crp (4047-11) (A)	4.5																		
12graze (4047-12)	40.8							24	3	24	3	24	3	24	3	24	3	24	3
13corn (4047-13)	11.3							8	1	7.6	2	8	1	7.6	2	8	1	7.6	2
14crp (4047-14)	0.0																		
14crp (4047-14) (A)	6.3																		
15corn (4047-15)	6.9							8	1	8	1	8	1	8	1	8	1	8	1
15corn (4047-15) (A)	4.6																		
16corn (4047-16)	14.6							8	1	7.6	2	8	1	7.6	2	8	1	7.6	2
17crp (4047-17)	0.0																		
17crp (4047-17) (A)	5.0																		
18hay (4047-18)	35.4							6.8	1	6.6	2	6.8	1	6.6	2	6.8	1	6.6	2
19hay (4047-19)	20.5							6.8	1	6.6	2	6.8	1	6.6	2	6.8	1	6.6	2
20corn (4047-20)	6.9							7.6	2	8	1	7.6	2	8	1	7.6	2	8	1
21hay (4047-21)	2.7							6.8	1	6.6	2	6.8	1	6.6	2	6.8	1	6.6	2
22corn (4047-22)	10.6							7.6	2	8	1	7.6	2	8	1	7.6	2	8	1
23crp (4047-23)	0.0																		
23crp (4047-23) (A)	6.4																		
24graze (4047-24)	23.7							20	3	20	3	20	3	20	3	20	3	20	3
25crp (4047-25)	0.0																		
25crp (4047-25) (A)	2.0																		
26crp (4047-26)	0.0																		
26crp (4047-26) (A)	8.9																		
27crp (4047-27)	0.0																		
27crp (4047-27) (A)	4.0																		
28hay (4047-28)	7.5							6.6	2	6.8	1	6.6	2	6.8	1	6.6	2	6.8	1
29hay (4047-29)	1.1							6.6	2	6.8	1	6.6	2	6.8	1	6.6	2	6.8	1
31hay (4047-31)	5.3							6.6	2	6.8	1	6.6	2	6.8	1	6.6	2	6.8	1
37crp (4047-37)	0.0																		
37crp (4047-37) (A)	2.9																		
54graze (4047-54)	6.9							20	3	20	3	20	3	20	3	20	3	20	3
56graze (4047-56)	1.9							20	3	20	3	20	3	20	3	20	3	20	3
70crp (4047-70)	0.0																		
70crp (4047-70) (A)	7.0																		
71corn (4047-71)	3.6							7.6	2	8	1	7.6	2	8	1	7.6	2	8	1
72corn (4047-72)	1.5							7.6	2	8	1	7.6	2	8	1	7.6	2	8	1
73hay (4047-73)	1.1							6.8	1	6.6	2	6.8	1	6.6	2	6.8	1	6.6	2
74corn (4047-74)	10.3							7.6	2	8	1	7.6	2	8	1	7.6	2	8	1
74corn (4047-74) (A)	2.7																		
75corn (4047-75)	44.7							7	2	7	1	7	2	7	1	7	2	7	1
75corn (4047-75) (A)	3.4																		

MANURE APPLICATIONS

Crop Year 2009		2006 App. Rate per Acre	2006 Manure Source	2007 App. Rate per Acre (1,000 gal or tons)	2007 Manure Source	2008 App. Rate per Acre (1,000 gal or tons)	2008 Manure Source	2009 App. Rate per Acre (1,000 gal or tons)	2009 Manure Source	2010 App. Rate per Acre (1,000 gal or tons)	2010 Manure Source	2011 App. Rate per Acre (1,000 gal or tons)	2011 Manure Source	2012 App. Rate per Acre (1,000 gal or tons)	2012 Manure Source	2013 App. Rate per Acre (1,000 gal or tons)	2013 Manure Source	2014 App. Rate per Acre (1,000 gal or tons)	2014 Manure Source
Field #	Acres	(1,000 gal)		(1,000 gal)		(1,000 gal)		(1,000 gal)		(1,000 gal)		(1,000 gal)		(1,000 gal)		(1,000 gal)		(1,000 gal)	
77corn (4047-77)	32.3							8	1	7.6	2	8	1	7.6	2	8	1	7.6	2
80corn (4047-80A)	22.5							8	1	7.6	2	8	1	7.6	2	8	1	7.6	2
80hay (4047-80B)	11.6							6.8	1	6.6	2	6.8	1	6.6	2	6.8	1	6.6	2
81corn (4047-81A)	22.2							7.6	2	7.6	2	7.6	2	7.6	2	7.6	2	7.6	2
81hay (4047-81B)	183.0							6.6	2	6.8	1	6.6	2	6.8	1	6.6	2	6.8	1
82corn (4047-82A)	43.9							7.6	2	8	1	7.6	2	8	1	7.6	2	8	1
82hay (4047-82B)	50.2							6.8	1	6.6	2	6.8	1	6.6	2	6.8	1	6.6	2
89corn (4047-89A)	15.8							8	1	7.6	2	8	1	7.6	2	8	1	7.6	2
89hay (4047-89B)	4.9							7	1	7	1	7	2	7	1	7	2	7	1
90hay (4047-90)	5.1							6.6	2	6.8	1	6.6	2	6.8	1	6.6	2	6.8	1
91ww (4047-91)	0.0																		
91ww (4047-91) (A)	0.3																		
92ww (4047-92)	0.0																		
92ww (4047-92) (A)	0.1																		
93ww (4047-93)	0.0																		
93ww (4047-93) (A)	0.3																		
94ww (4047-94)	0.0																		
94ww (4047-94) (A)	0.1																		
95ww (4047-95)	0.0																		
95ww (4047-95) (A)	0.1																		
96ww (4047-96)	0.0																		
96ww (4047-96) (A)	1.3																		
97ww (4047-97)	0.0																		
97ww (4047-97) (A)	0.2																		
98ww (4047-98)	0.0																		
98ww (4047-98) (A)	0.1																		
99ww (4047-99)	0.0																		
99ww (4047-99) (A)	0.1																		
100ww (4047-100)	0.0																		
100ww (4047-100) (A)	0.1																		
101ww (4047-101)	0.0																		
101ww (4047-101) (A)	0.1																		
102ww (4047-102)	0.0																		
102ww (4047-102) (A)	0.1																		
103ww (4047-103)	0.0																		
103ww (4047-103) (A)	2.9																		
104ww (4047-104)	0.0																		
104ww (4047-104) (A)	2.1																		
105ww (4047-105)	0.0																		
105ww (4047-105) (A)	0.6																		
107ww (4047-107)	0.0																		
107ww (4047-107) (A)	4.9																		
108corn (4047-108)	55.7							8	1	7.6	2	8	1	7.6	2	8	1	7.6	2
115crp (4047-115)	0.0																		
115crp (4047-115) (A)	2.1																		
9hay (3605-9)	14.2							6.6	2	6.8	1	6.6	2	6.8	1	6.6	2	6.8	1
12hay (3605-12)	10.9							6.8	1	6.6	2	6.8	1	6.6	2	6.8	1	6.6	2
8hay (3608-8)	7.0							6.6	2	6.8	1	6.6	2	6.8	1	6.6	2	6.8	1
14hay (3608-14)	2.8							6.6	2	6.8	1	6.6	2	6.8	1	6.6	2	6.8	1

Five Year Manure Management Plan																						
CROP YEAR		2008	2009	2009	SPRING	FALL	SPRING	FALL	PAN	PREVIOUS	PREVIOUS	MANURE	ORGANIC N									
2009		CROP	SPRING	FALL	YIELD	YIELD	NITROGEN	NITROGEN	UPTAKE	CROP	N CREDIT	3RD YR	2ND YR	1ST YR	APPL. RATE	MANURE	MANURE	MANURE	2009	1	2	3
			CROP	CROP	GOAL	GOAL	UPTAKE	UPTAKE	GOAL	N CREDIT	CREDIT	CREDIT	CREDIT	CREDIT	PER ACRE	SOURCE	PAN	PAN	TOTAL	SOLID W/O BED	SOLID W/O BED	BEEF
FIELD #	ACRES				UNITS/ACRE	UNITS/ACRE	lb/UNITS	lb/UNITS	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	(1,000 GAL OR TON)	#	lb/ACRE	lb/ACRE	lb/ACRE	SOLID	SOLID	ANAEROBIC
1A (T4047-1A)	15	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	8.00	1.00	32.48	(173.9)	122			
1B (T4047-1B)	3	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	8.00	1.00	32.48	(173.9)	24			
1C (T4047-1C)	1	Alfalfa		Alfalfa		5		45.00	243.0	50	0.00	0.00	0.00	0.00	6.60	2.00	44.40	(148.6)			6.73	
2crp (T4047-2)	0	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
2crp (T4047-2) (A)	8	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
3crp (T4047-3)	0	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
3crp (T4047-3) (A)	6	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
4crp (T4047-4)	0	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
4crp (T4047-4) (A)	6	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
5crp (T4047-5)	0	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
5crp (T4047-5) (A)	7	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
7crp (T4074-7)	0	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
7crp (T4074-7) (A)	4	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
8graze (T4047-8)	17.63	Pasture MM	Pasture MM		2		40.00		90.0	0	0.00	0.00	0.00	0.00	24.00	3.00	34.20	(55.8)				423
8graze (T4047-9)	19.51	Pasture MM	Pasture MM		2		40.00		90.0	0	0.00	0.00	0.00	0.00	24.00	3.00	34.20	(55.8)				468
10corn (4047-10)	59.14	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	8.00	1.00	32.48	(173.9)	473			
10corn (4047-10) (A)	2.18	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	0.00		0.00	(206.4)				
11crp (4047-11)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
11crp (4047-11) (A)	4	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
12graze (4047-12)	41	Pasture MM	Pasture MM		2		40.00		90.0	0	0.00	0.00	0.00	0.00	24.00	3.00	34.20	(55.8)				979
13corn (4047-13)	11	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	8.00	1.00	32.48	(173.9)	90			
14crp (4047-14)	0	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
14crp (4047-14) (A)	6	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
15corn (4047-15)	7	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	8.00	1.00	32.48	(173.9)	55			
15corn (4047-15) (A)	5	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	0.00		0.00	(206.4)				
16corn (4047-16)	15	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	8.00	1.00	32.48	(173.9)	117			
17crp (4047-17)	0	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
17crp (4047-17) (A)	5	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
18hay (4047-18)	35	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	0.00	0.00	6.80	1.00	27.61	(165.4)	241			
19hay (4047-19)	20	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	0.00	0.00	6.80	1.00	27.61	(165.4)	139			
20corn (4047-20)	7	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	7.60	2.00	51.13	(155.3)			53	
21hay (4047-21)	3	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	0.00	0.00	6.80	1.00	27.61	(165.4)	19			
22corn (4047-22)	10.60	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	7.60	2.00	51.13	(155.3)			81	
23crp (4047-23)	0	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
23crp (4047-23) (A)	6.42	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
24graze (4047-24)	23.67	Pasture MM	Pasture MM		2		40.00		90.0	0	0.00	0.00	0.00	0.00	20.00	3.00	28.50	(61.5)				473
25crp (4047-25)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
25crp (4047-25) (A)	2	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
26crp (4047-26)	0	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
26crp (4047-26) (A)	9	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
27crp (4047-27)	0	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
27crp (4047-27) (A)	4	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
28hay (4047-28)	7	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	0.00	0.00	6.60	2.00	44.40	(148.6)			49	
29hay (4047-29)	1	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	0.00	0.00	6.60	2.00	44.40	(148.6)			7	
31hay (4047-31)	5	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	0.00	0.00	6.60	2.00	44.40	(148.6)			35	
37crp (4047-37)	0	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
37crp (4047-37) (A)	3	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
54graze (4047-54)	7	Pasture MM	Pasture MM		2		40.00		90.0	0	0.00	0.00	0.00	0.00	20.00	3.00	28.50	(61.5)				138
56graze (4047-56)	2	Pasture MM	Pasture MM		2		40.00		90.0	0	0.00	0.00	0.00	0.00	20.00	3.00	28.50	(61.5)				39
70crp (4047-70)	0	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
70crp (4047-70) (A)	7	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00	0.00		0.00	(40.0)				
71corn (4047-71)	3.56	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	7.60	2.00	51.13	(155.3)			27	
72corn (4047-72)	1	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	7.60	2.00	51.13	(155.3)			11	
73hay (4047-73)	1.11	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	0.00	0.00	6.80	1.00	27.61	(165.4)	8			
74corn (4047-74)	10.25	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	7.60	2.00	51.13	(155.3)			78	
74corn (4047-74) (A)	2.72	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	0.00		0.00	(206.4)				
75corn (4047-75)	45	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	7.00	2.00	47.09	(159.3)			313	
75corn (4047-75) (A)	3	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	0.00		0.00	(206.4)				
77corn (4047-77)	32	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	8.00	1.00	32.48	(173.9)	259			
80corn (4047-80A)	22	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	8.00	1.00	32.48	(173.9)	180			
80hay (4047-80B)	12	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	0.00	0.00	6.80	1.00	27.61	(165.4)	79			
81corn (4047-81A)	22	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	7.60	2.00	51.13	(155.3)			169	
81hay (4047-81B)	18	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	0.00	0.00	6.60	2.00	44.40	(148.6)			118	
82corn (4047-82A)	44	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00	7.60	2.00	51.13	(155.3)			334	
82hay (4047-82B)	50	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	0.00	0.00	6.80	1.00	27.61	(165.4)	341			
89corn (40																						

CROP YEAR		2009	2010	2010	SPRING	FALL	SPRING	FALL	PAN	PREVIOUS	PREVIOUS	MANURE	ORGANIC N	2010	2010	2010	2010	1	2	3
2010		CROP	SPRING	FALL	YIELD	YIELD	NITROGEN	NITROGEN	UPTAKE	PREVIOUS	PREVIOUS	MANURE	ORGANIC N	APPL. RATE	MANURE	MANURE	TOTAL	BEEF	BEEF	BEEF
FIELD #	ACRES		CROP	CROP	UNITS/ACRE	UNITS/ACRE	lb/UNITS	lb/UNITS	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	(1,000 GAL OR TON)	#	lb/ACRE	lb/ACRE	SOLID	SOLID	ANAEROBIC
1A (T4047-1A)	15.24	Corn		Corn		172		1.20	206.4	0	0.00	0.00	4.06	8.00	1.00	32.48	(169.9)	122		
1B (T4047-1B)	3.00	Corn		Corn		172		1.20	206.4	0	0.00	0.00	4.06	8.00	1.00	32.48	(169.9)	24		
1C (T4047-1C)	1.02	Alfalfa		Alfalfa		5		45.00	243.0	50	0.00	0.00	5.54	6.80	1.00	27.61	(159.8)	7		
2crp (T4047-2)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
2crp (T4047-2) (A)	8.15	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
3crp (T4047-3)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
3crp (T4047-3) (A)	5.58	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
4crp (T4047-4)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
4crp (T4047-4) (A)	6.21	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
5crp (T4047-5)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
5crp (T4047-5) (A)	7.21	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
7crp (T4074-7)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
7crp (T4074-7) (A)	3.84	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
8graze (T4047-8)	17.63	Pasture MM	Pasture MM		2		40.00		90.0	0	0.00	0.00	3.60	24.00	3.00	34.20	(52.2)			423.12
9graze (T4047-9)	19.51	Pasture MM	Pasture MM		2		40.00		90.0	0	0.00	0.00	3.60	24.00	3.00	34.20	(52.2)			468.24
10com (4047-10)	59.14	Corn		Corn		172		1.20	206.4	0	0.00	0.00	4.06	8.00	1.00	32.48	(169.9)	473		
10com (4047-10) (A)	2.18	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			
11crp (4047-11)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
11crp (4047-11) (A)	4.47	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
12graze (4047-12)	40.78	Pasture MM	Pasture MM		2		40.00		90.0	0	0.00	0.00	3.60	24.00	3.00	34.20	(52.2)			979
13com (4047-13)	11.30	Corn		Corn		172		1.20	206.4	0	0.00	0.00	4.06	7.60	2.00	51.13	(151.2)		86	
14crp (4047-14)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
14crp (4047-14) (A)	6.30	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
15com (4047-15)	6.85	Corn		Corn		172		1.20	206.4	0	0.00	0.00	4.06	8.00	1.00	32.48	(169.9)	54.80		
15com (4047-15) (A)	4.60	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			
16com (4047-16)	14.59	Corn		Corn		172		1.20	206.4	0	0.00	0.00	4.06	7.60	2.00	51.13	(151.2)		110.88	
17crp (4047-17)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
17crp (4047-17) (A)	5.03	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
18hay (4047-18)	35.41	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	3.45	6.60	2.00	44.40	(145.2)		233.71	
19hay (4047-19)	20.45	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	3.45	6.60	2.00	44.40	(145.2)		134.97	
20com (4047-20)	6.94	Corn		Corn		172		1.20	206.4	0	0.00	0.00	6.38	8.00	1.00	32.48	(167.5)	56		
21hay (4047-21)	2.73	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	3.45	6.60	2.00	44.40	(145.2)		18.02	
22com (4047-22)	10.60	Corn		Corn		172		1.20	206.4	0	0.00	0.00	6.38	8.00	1.00	32.48	(167.5)	85		
23crp (4047-23)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
23crp (4047-23) (A)	6.42	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
24graze (4047-24)	23.67	Pasture MM	Pasture MM		2		40.00		90.0	0	0.00	0.00	3.00	20.00	3.00	28.50	(58.5)			473
25crp (4047-25)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
25crp (4047-25) (A)	1.99	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
26crp (4047-26)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
26crp (4047-26) (A)	8.94	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
27crp (4047-27)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
27crp (4047-27) (A)	3.96	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
28hay (4047-28)	7.45	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	5.54	6.80	1.00	27.61	(159.8)		50.66	
29hay (4047-29)	1.06	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	5.54	6.80	1.00	27.61	(159.8)		7	
31hay (4047-31)	5.31	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	5.54	6.80	1.00	27.61	(159.8)		36	
37crp (4047-37)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
37crp (4047-37) (A)	2.85	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
54graze (4047-54)	6.92	Pasture MM	Pasture MM		2		40.00		90.0	0	0.00	0.00	3.00	20.00	3.00	28.50	(58.5)			138
56graze (4047-56)	1.93	Pasture MM	Pasture MM		2		40.00		90.0	0	0.00	0.00	3.00	20.00	3.00	28.50	(58.5)			39
70crp (4047-70)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
70crp (4047-70) (A)	6.98	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
71com (4047-71)	3.56	Corn		Corn		172		1.20	206.4	0	0.00	0.00	6.38	8.00	1.00	32.48	(167.5)		28	
72com (4047-72)	1.47	Corn		Corn		172		1.20	206.4	0	0.00	0.00	6.38	8.00	1.00	32.48	(167.5)		12	
73hay (4047-73)	1.11	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	3.45	6.60	2.00	44.40	(145.2)		7	
74com (4047-74)	10.25	Corn		Corn		172		1.20	206.4	0	0.00	0.00	6.38	8.00	1.00	32.48	(167.5)	82		
74com (4047-74) (A)	2.72	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			
75com (4047-75)	44.68	Corn		Corn		172		1.20	206.4	0	0.00	0.00	5.88	7.00	1.00	28.42	(172.1)	313		
75com (4047-75) (A)	3.37	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			
77com (4047-77)	32.32	Corn		Corn		172		1.20	206.4	0	0.00	0.00	4.06	7.60	2.00	51.13	(151.2)		246	
80com (4047-80A)	22.48	Corn		Corn		172		1.20	206.4	0	0.00	0.00	4.06	7.60	2.00	51.13	(151.2)			171
80hay (4047-80B)	11.62	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	3.45	6.60	2.00	44.40	(145.2)		76.69	
81com (4047-81A)	22.20	Corn		Corn		172		1.20	206.4	0	0.00	0.00	6.38	7.60	2.00	51.13	(148.9)		168.72	
81hay (4047-81B)	17.83	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	5.54	6.80	1.00	27.61	(159.8)	121.24		
82com (4047-82A)	43.89	Corn		Corn		172		1.20	206.4	0	0.00	0.00	6.38	8.00	1.00	32.48	(167.5)	351.12		
82hay (4047-82B)	50.18	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	3.45	6.60	2.00	44.40	(145.2)			
89com (4047-89A)	15.79	Corn		Corn		172		1.20	206.4	0	0.00	0.00	4.06	7.60	2.00	51.13	(151.2)		331.19	
89hay (4047-89B)	4.90	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	3.55	7.00	1.00	28.42	(161.0)	34.30		
90hay (4047-90)	5.13	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	0.00	5.54	6.80	1.00	27.61	(159.8)	34.88		
91ww (4047-91)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
91ww (4047-91) (A)	0.32	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
92ww (4047-92)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
92ww (4047-92) (A)	0.05	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
93ww (4047-93)	0.00	CRP	CRP																	

CROP YEAR		2010	2011	2011	SPRING	FALL	SPRING	FALL	PAN	PREVIOUS	PREVIOUS	MANURE	ORGANIC N	2011	2011	2011	2011	1	2	3
2011		CROP	SPRING	FALL	YIELD	YIELD	NITROGEN	NITROGEN	UPTAKE	PREVIOUS	3RD YR	2ND YR	1ST YR	APPL. RATE	MANURE	MANURE	TOTAL	BEEF	BEEF	BEEF
FIELD #	ACRES		CROP	CROP	UNITS/ACRE	UNITS/ACRE	lb/UNITS	lb/UNITS	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	(1,000 GAL OR TON)	#	lb/ACRE	lb/ACRE	SOLID	SOLID	ANAEROBIC
1A (T4047-1A)	15.24	Corn		Corn		172		1.20	206.4	0	0.00	2.03	4.06	8.00	1.00	32.48	(167.8)	122		
1B (T4047-1B)	3.00	Corn		Corn		172		1.20	206.4	0	0.00	2.03	4.06	8.00	1.00	32.48	(167.8)	24		
1C (T4047-1C)	1.02	Alfalfa		Alfalfa		5		45.00	243.0	50	0.00	2.77	3.45	6.60	2.00	44.40	(142.4)		7	
2crp (T4047-2)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
2crp (T4047-2) (A)	8.15	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
3crp (T4047-3)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
3crp (T4047-3) (A)	5.58	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
4crp (T4047-4)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
4crp (T4047-4) (A)	6.21	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
5crp (T4047-5)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
5crp (T4047-5) (A)	7.21	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
7crp (T4074-7)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
7crp (T4074-7) (A)	3.84	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
8graze (T4047-8)	17.63	Pasture MM	Pasture MM		2		40.00		90.0	0	0.00	1.80	3.60	24.00	3.00	34.20	(50.4)			423.12
9graze (T4047-9)	19.51	Pasture MM	Pasture MM		2		40.00		90.0	0	0.00	1.80	3.60	24.00	3.00	34.20	(50.4)			468.24
10com (4047-10)	59.14	Corn		Corn		172		1.20	206.4	0	0.00	2.03	4.06	8.00	1.00	32.48	(167.8)	473.12		
10com (4047-10) (A)	2.18	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			
11crp (4047-11)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
11crp (4047-11) (A)	4.47	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
12graze (4047-12)	40.78	Pasture MM	Pasture MM		2		40.00		90.0	0	0.00	1.80	3.60	24.00	3.00	34.20	(50.4)			978.72
13com (4047-13)	11.30	Corn		Corn		172		1.20	206.4	0	0.00	2.03	6.38	8.00	1.00	32.48	(165.5)	90		
14crp (4047-14)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
14crp (4047-14) (A)	6.30	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
15com (4047-15)	6.85	Corn		Corn		172		1.20	206.4	0	0.00	2.03	4.06	8.00	1.00	32.48	(167.8)		55	
15com (4047-15) (A)	4.60	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			
16com (4047-16)	14.59	Corn		Corn		172		1.20	206.4	0	0.00	2.03	6.38	8.00	1.00	32.48	(165.5)	117		
17crp (4047-17)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
17crp (4047-17) (A)	5.03	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
18hay (4047-18)	35.41	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	1.73	5.54	6.80	1.00	27.61	(158.1)	240.79		
19hay (4047-19)	20.45	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	1.73	5.54	6.80	1.00	27.61	(158.1)	139.06		
20com (4047-20)	6.94	Corn		Corn		172		1.20	206.4	0	0.00	3.19	4.06	7.60	2.00	51.13	(148.0)		52.74	
21hay (4047-21)	2.73	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	1.73	5.54	6.80	1.00	27.61	(158.1)	18.56		
22com (4047-22)	10.60	Corn		Corn		172		1.20	206.4	0	0.00	3.19	4.06	7.60	2.00	51.13	(148.0)		80.56	
23crp (4047-23)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
23crp (4047-23) (A)	6.42	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
24graze (4047-24)	23.67	Pasture MM	Pasture MM		2		40.00		90.0	0	0.00	1.50	3.00	20.00	3.00	28.50	(57.0)			473.40
25crp (4047-25)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
25crp (4047-25) (A)	1.99	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
26crp (4047-26)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
26crp (4047-26) (A)	8.94	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
27crp (4047-27)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
27crp (4047-27) (A)	3.96	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
28hay (4047-28)	7.45	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	2.77	3.45	6.60	2.00	44.40	(142.4)		49.17	
29hay (4047-29)	1.06	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	2.77	3.45	6.60	2.00	44.40	(142.4)		7.00	
31hay (4047-31)	5.31	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	2.77	3.45	6.60	2.00	44.40	(142.4)		35.05	
37crp (4047-37)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
37crp (4047-37) (A)	2.85	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
54graze (4047-54)	6.92	Pasture MM	Pasture MM		2		40.00		90.0	0	0.00	1.50	3.00	20.00	3.00	28.50	(57.0)			138.40
56graze (4047-56)	1.93	Pasture MM	Pasture MM		2		40.00		90.0	0	0.00	1.50	3.00	20.00	3.00	28.50	(57.0)			38.60
70crp (4047-70)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
70crp (4047-70) (A)	6.98	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
71com (4047-71)	3.56	Corn		Corn		172		1.20	206.4	0	0.00	3.19	4.06	7.60	2.00	51.13	(148.0)		27	
72com (4047-72)	1.47	Corn		Corn		172		1.20	206.4	0	0.00	3.19	4.06	7.60	2.00	51.13	(148.0)		11.17	
73hay (4047-73)	1.11	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	1.73	5.54	6.80	1.00	27.61	(158.1)	8		
74com (4047-74)	10.25	Corn		Corn		172		1.20	206.4	0	0.00	3.19	4.06	7.60	2.00	51.13	(148.0)		78	
74com (4047-74) (A)	2.72	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			
75com (4047-75)	44.68	Corn		Corn		172		1.20	206.4	0	0.00	2.94	3.55	7.00	2.00	47.09	(152.8)		313	
75com (4047-75) (A)	3.37	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			
77com (4047-77)	32.32	Corn		Corn		172		1.20	206.4	0	0.00	2.03	6.38	8.00	1.00	32.48	(165.5)	259		
80com (4047-80A)	22.48	Corn		Corn		172		1.20	206.4	0	0.00	2.03	6.38	8.00	1.00	32.48	(165.5)	180		
80hay (4047-80B)	11.62	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	1.73	5.54	6.80	1.00	27.61	(158.1)	79		
81com (4047-81A)	22.20	Corn		Corn		172		1.20	206.4	0	0.00	3.19	6.38	7.60	2.00	51.13	(145.7)		169	
81hay (4047-81B)	17.83	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	2.77	3.45	6.60	2.00	44.40	(142.4)		117.68	
82com (4047-82A)	43.89	Corn		Corn		172		1.20	206.4	0	0.00	3.19	4.06	7.60	2.00	51.13	(148.0)		333.56	
82hay (4047-82B)	50.18	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	1.73	5.54	6.80	1.00	27.61	(158.1)	341.22		
89com (4047-89A)	15.79	Corn		Corn		172		1.20	206.4	0	0.00	2.03	6.38	8.00	1.00	32.48	(165.5)	126.32		
89hay (4047-89B)	4.90	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	1.78	3.55	7.00	2.00	47.09	(140.6)		34.30	
90hay (4047-90)	5.13	Alfalfa	Alfalfa		5		45.00		243.0	50	0.00	2.77	3.45	6.60	2.00	44.40	(142.4)		33.86	
91ww (4047-91)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
91ww (4047-91) (A)	0.32	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
92ww (4047-92)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			
92ww (4047-92) (A)																				

CROP YEAR		2011	2012	2012	SPRING	FALL	SPRING	FALL	PAN	PREVIOUS	PREVIOUS	MANURE	ORGANIC N	2012	2012	2012	2012	1	2	3
2012		CROP	SPRING	FALL	YIELD	YIELD	NITROGEN	NITROGEN	UPTAKE	PREVIOUS	PREVIOUS	2ND YR	1ST YR	APPL. RATE	MANURE	MANURE	TOTAL	BEEF	BEEF	BEEF
FIELD #	ACRES		CROP	CROP	UNITS/ACRE	UNITS/ACRE	lb/UNITS	lb/UNITS	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	(1,000 GAL OR TON)	#	lb/ACRE	PAN	SOLID W/O BED	SOLID W/O BED	ANAEROBIC
1A (T4047-1A)	15.24	Corn		Corn		172	206.4	1.20	206.4	0	1.02	2.03	4.06	8.00	1.00	32.48	(166.8)	122	116	0
1B (T4047-1B)	3.00	Corn		Corn		172	206.4	1.20	206.4	0	1.02	2.03	4.06	8.00	1.00	32.48	(166.8)	24.00	22.80	0.00
1C (T4047-1C)	1.02	Alfalfa		Alfalfa		5	45.00	45.00	243.0	50	1.39	1.73	5.54	6.80	1.00	27.61	(156.7)	6.94		0.00
2crp (T4047-2)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
2crp (T4047-2) (A)	8.15	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
3crp (T4047-3)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
3crp (T4047-3) (A)	5.58	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
4crp (T4047-4)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
4crp (T4047-4) (A)	6.21	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
5crp (T4047-5)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
5crp (T4047-5) (A)	7.21	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
7crp (T4074-7)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
7crp (T4074-7) (A)	3.84	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
8graze (T4047-8)	17.63	Pasture MM	Pasture MM		2		40.00		90.0	0	0.90	1.80	3.60	24.00	3.00	34.20	(49.5)			423.12
9graze (T4047-9)	19.51	Pasture MM	Pasture MM		2		40.00		90.0	0	0.90	1.80	3.60	24.00	3.00	34.20	(49.5)			468.24
10com (4047-10)	59.14	Corn		Corn		172		1.20	206.4	0	1.02	2.03	4.06	8.00	1.00	32.48	(166.8)	473.12	449.46	0.00
10com (4047-10) (A)	2.18	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			0.00
11crp (4047-11)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
11crp (4047-11) (A)	4.47	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
12graze (4047-12)	40.78	Pasture MM	Pasture MM		2		40.00		90.0	0	0.90	1.80	3.60	24.00	3.00	34.20	(49.5)			978.72
13com (4047-13)	11.30	Corn		Corn		172		1.20	206.4	0	1.02	3.19	4.06	7.60	2.00	51.13	(147.0)	88.14	85.88	0.00
14crp (4047-14)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
14crp (4047-14) (A)	6.30	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
15com (4047-15)	6.85	Corn		Corn		172		1.20	206.4	0	1.02	2.03	4.06	8.00	1.00	32.48	(166.8)	54.80		0.00
15com (4047-15) (A)	4.60	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			0.00
16com (4047-16)	14.59	Corn		Corn		172		1.20	206.4	0	1.02	3.19	4.06	7.60	2.00	51.13	(147.0)		110.88	0.00
17crp (4047-17)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
17crp (4047-17) (A)	5.03	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
18hay (4047-18)	35.41	Alfalfa	Alfalfa		5		45.00		243.0	50	0.86	2.77	3.45	6.60	2.00	44.40	(141.5)		233.71	0.00
19hay (4047-19)	20.45	Alfalfa	Alfalfa		5		45.00		243.0	50	0.86	2.77	3.45	6.60	2.00	44.40	(141.5)		134.97	0.00
20com (4047-20)	6.94	Corn		Corn		172		1.20	206.4	0	1.60	2.03	6.38	8.00	1.00	32.48	(163.9)	55.52		0.00
21hay (4047-21)	2.73	Alfalfa	Alfalfa		5		45.00		243.0	50	0.86	2.77	3.45	6.60	2.00	44.40	(141.5)		18.02	0.00
22com (4047-22)	10.60	Corn		Corn		172		1.20	206.4	0	1.60	2.03	6.38	8.00	1.00	32.48	(163.9)	84.80		0.00
23crp (4047-23)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
23crp (4047-23) (A)	6.42	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
24graze (4047-24)	23.67	Pasture MM	Pasture MM		2		40.00		90.0	0	0.75	1.50	3.00	20.00	3.00	28.50	(56.3)			473.40
25crp (4047-25)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
25crp (4047-25) (A)	1.99	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
26crp (4047-26)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
26crp (4047-26) (A)	8.94	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
27crp (4047-27)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
27crp (4047-27) (A)	3.96	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
28hay (4047-28)	7.45	Alfalfa	Alfalfa		5		45.00		243.0	50	1.39	1.73	5.54	6.80	1.00	27.61	(156.7)	50.66		0.00
29hay (4047-29)	1.06	Alfalfa	Alfalfa		5		45.00		243.0	50	1.39	1.73	5.54	6.80	1.00	27.61	(156.7)	7.21		0.00
31hay (4047-31)	5.31	Alfalfa	Alfalfa		5		45.00		243.0	50	1.39	1.73	5.54	6.80	1.00	27.61	(156.7)	36.11		0.00
37crp (4047-37)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
37crp (4047-37) (A)	2.85	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
54graze (4047-54)	6.92	Pasture MM	Pasture MM		2		40.00		90.0	0	0.75	1.50	3.00	20.00	3.00	28.50	(56.3)			138.40
56graze (4047-56)	1.93	Pasture MM	Pasture MM		2		40.00		90.0	0	0.75	1.50	3.00	20.00	3.00	28.50	(56.3)			38.60
70crp (4047-70)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
70crp (4047-70) (A)	6.98	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
71com (4047-71)	3.56	Corn		Corn		172		1.20	206.4	0	1.60	2.03	6.38	8.00	1.00	32.48	(163.9)	28.48		0.00
72com (4047-72)	1.47	Corn		Corn		172		1.20	206.4	0	1.60	2.03	6.38	8.00	1.00	32.48	(163.9)	11.76		0.00
73hay (4047-73)	1.11	Alfalfa	Alfalfa		5		45.00		243.0	50	0.86	2.77	3.45	6.60	2.00	44.40	(141.5)		7.33	0.00
74com (4047-74)	10.25	Corn		Corn		172		1.20	206.4	0	1.60	2.03	6.38	8.00	1.00	32.48	(163.9)	82.00		0.00
74com (4047-74) (A)	2.72	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			0.00
75com (4047-75)	44.68	Corn		Corn		172		1.20	206.4	0	1.47	1.78	5.88	7.00	1.00	28.42	(168.9)	312.76		0.00
75com (4047-75) (A)	3.37	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			0.00
77com (4047-77)	32.32	Corn		Corn		172		1.20	206.4	0	1.02	3.19	4.06	7.60	2.00	51.13	(147.0)		245.63	0.00
80com (4047-80A)	22.48	Corn		Corn		172		1.20	206.4	0	1.02	3.19	4.06	7.60	2.00	51.13	(147.0)		170.85	0.00
80hay (4047-80B)	11.62	Alfalfa	Alfalfa		5		45.00		243.0	50	0.86	2.77	3.45	6.60	2.00	44.40	(141.5)		76.69	0.00
81com (4047-81A)	22.20	Corn		Corn		172		1.20	206.4	0	1.60	3.19	6.38	7.60	2.00	51.13	(144.1)		168.72	0.00
81hay (4047-81B)	17.83	Alfalfa	Alfalfa		5		45.00		243.0	50	1.39	1.73	5.54	6.80	1.00	27.61	(156.7)	121.24		0.00
82com (4047-82A)	43.89	Corn		Corn		172		1.20	206.4	0	1.60	2.03	6.38	8.00	1.00	32.48	(163.9)	351.12		0.00
82hay (4047-82B)	50.18	Alfalfa	Alfalfa		5		45.00		243.0	50	0.86	2.77	3.45	6.60	2.00	44.40	(141.5)		331.19	0.00
89com (4047-89A)	15.79	Corn		Corn		172		1.20	206.4	0	1.02	3.19	4.06	7.60	2.00	51.13	(147.0)		120.00	0.00
89hay (4047-89B)	4.90	Alfalfa	Alfalfa		5		45.00		243.0	50	0.89	1.78	5.88	7.00	1.00	28.42	(156.0)	34.30		0.00
90hay (4047-90)	5.13	Alfalfa	Alfalfa		5		45.00		243.0	50	1.39	1.73	5.54	6.80	1.00	27.61	(156.7)	34.88		0.00
91ww (4047-91)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00							

CROP YEAR		2012	2013	2013	SPRING	FALL	SPRING	FALL	PAN	PREVIOUS	PREVIOUS	MANURE	ORGANIC N	2013	2013	2013	2013	1	2	3
2013		CROP	SPRING	FALL	YIELD	YIELD	NITROGEN	NITROGEN	UPTAKE	PREVIOUS	PREVIOUS	MANURE	ORGANIC N	APPL. RATE	MANURE	MANURE	TOTAL	BEEF	BEEF	BEEF
FIELD #	ACRES		CROP	CROP	UNITS/ACRE	UNITS/ACRE	lb/UNITS	lb/UNITS	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	(1,000 GAL OR TON)	#	lb/ACRE	lb/ACRE	SOLID	SOLID	ANAEROBIC
1A (T4047-1A)	15.24	Corn		Corn		172		1.20	206.4	0	1.02	2.03	4.06	8.00	1.00	32.48	(166.8)	121.92		0.00
1B (T4047-1B)	3.00	Corn		Corn		172		1.20	206.4	0	1.02	2.03	4.06	8.00	1.00	32.48	(166.8)	24.00		0.00
1C (T4047-1C)	1.02	Alfalfa		Alfalfa		5		45.00	243.0	50	0.86	2.77	3.45	6.60	2.00	44.40	(141.5)		6.73	0.00
2crp (T4047-2)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
2crp (T4047-2) (A)	8.15	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
3crp (T4047-3)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
3crp (T4047-3) (A)	5.58	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
4crp (T4047-4)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
4crp (T4047-4) (A)	6.21	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
5crp (T4047-5)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
5crp (T4047-5) (A)	7.21	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
7crp (T4074-7)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
7crp (T4074-7) (A)	3.84	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
8graze (T4047-8)	17.63	Pasture MM	Pasture MM		2		40.00		90.0	0	0.90	1.80	3.60	24.00	3.00	34.20	(49.5)			423.12
9graze (T4047-9)	19.51	Pasture MM	Pasture MM		2		40.00		90.0	0	0.90	1.80	3.60	24.00	3.00	34.20	(49.5)			468.24
10com (4047-10)	59.14	Corn		Corn		172		1.20	206.4	0	1.02	2.03	4.06	8.00	1.00	32.48	(166.8)	473.12		0.00
10com (4047-10) (A)	2.18	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			0.00
11crp (4047-11)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
11crp (4047-11) (A)	4.47	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
12graze (4047-12)	40.78	Pasture MM	Pasture MM		2		40.00		90.0	0	0.90	1.80	3.60	24.00	3.00	34.20	(49.5)			978.72
13com (4047-13)	11.30	Corn		Corn		172		1.20	206.4	0	1.60	2.03	6.38	8.00	1.00	32.48	(163.9)	90.40		0.00
14crp (4047-14)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
14crp (4047-14) (A)	6.30	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
15com (4047-15)	6.85	Corn		Corn		172		1.20	206.4	0	1.02	2.03	4.06	8.00	1.00	32.48	(166.8)	54.80		0.00
15com (4047-15) (A)	4.60	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			0.00
16com (4047-16)	14.59	Corn		Corn		172		1.20	206.4	0	1.60	2.03	6.38	8.00	1.00	32.48	(163.9)	116.72		0.00
17crp (4047-17)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
17crp (4047-17) (A)	5.03	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
18hay (4047-18)	35.41	Alfalfa	Alfalfa		5		45.00		243.0	50	1.39	1.73	5.54	6.80	1.00	27.61	(156.7)	240.79		0.00
19hay (4047-19)	20.45	Alfalfa	Alfalfa		5		45.00		243.0	50	1.39	1.73	5.54	6.80	1.00	27.61	(156.7)	139.06		0.00
20com (4047-20)	6.94	Corn		Corn		172		1.20	206.4	0	1.02	3.19	4.06	7.60	2.00	51.13	(147.0)		52.74	0.00
21hay (4047-21)	2.73	Alfalfa	Alfalfa		5		45.00		243.0	50	1.39	1.73	5.54	6.80	1.00	27.61	(156.7)	18.56		0.00
22com (4047-22)	10.60	Corn		Corn		172		1.20	206.4	0	1.02	3.19	4.06	7.60	2.00	51.13	(147.0)		80.56	0.00
23crp (4047-23)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
23crp (4047-23) (A)	6.42	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
24graze (4047-24)	23.67	Pasture MM	Pasture MM		2		40.00		90.0	0	0.75	1.50	3.00	20.00	3.00	28.50	(56.3)			473.40
25crp (4047-25)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
25crp (4047-25) (A)	1.99	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
26crp (4047-26)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
26crp (4047-26) (A)	8.94	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
27crp (4047-27)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
27crp (4047-27) (A)	3.96	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
28hay (4047-28)	7.45	Alfalfa	Alfalfa		5		45.00		243.0	50	0.86	2.77	3.45	6.60	2.00	44.40	(141.5)		49.17	0.00
29hay (4047-29)	1.06	Alfalfa	Alfalfa		5		45.00		243.0	50	0.86	2.77	3.45	6.60	2.00	44.40	(141.5)		7.00	0.00
31hay (4047-31)	5.31	Alfalfa	Alfalfa		5		45.00		243.0	50	0.86	2.77	3.45	6.60	2.00	44.40	(141.5)		35.05	0.00
37crp (4047-37)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
37crp (4047-37) (A)	2.85	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
54graze (4047-54)	6.92	Pasture MM	Pasture MM		2		40.00		90.0	0	0.75	1.50	3.00	20.00	3.00	28.50	(56.3)			138.40
56graze (4047-56)	1.93	Pasture MM	Pasture MM		2		40.00		90.0	0	0.75	1.50	3.00	20.00	3.00	28.50	(56.3)			38.60
70crp (4047-70)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
70crp (4047-70) (A)	6.98	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
71com (4047-71)	3.56	Corn		Corn		172		1.20	206.4	0	1.02	3.19	4.06	7.60	2.00	51.13	(147.0)		27.06	0.00
72com (4047-72)	1.47	Corn		Corn		172		1.20	206.4	0	1.02	3.19	4.06	7.60	2.00	51.13	(147.0)		11.17	0.00
73hay (4047-73)	1.11	Alfalfa	Alfalfa		5		45.00		243.0	50	1.39	1.73	5.54	6.80	1.00	27.61	(156.7)	7.55		0.00
74com (4047-74)	10.25	Corn		Corn		172		1.20	206.4	0	1.02	3.19	4.06	7.60	2.00	51.13	(147.0)		77.90	0.00
74com (4047-74) (A)	2.72	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			0.00
75com (4047-75)	44.68	Corn		Corn		172		1.20	206.4	0	0.89	2.94	3.55	7.00	2.00	47.09	(151.9)		312.76	0.00
75com (4047-75) (A)	3.37	Corn		Corn		172		1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			0.00
77com (4047-77)	32.32	Corn		Corn		172		1.20	206.4	0	1.60	2.03	6.38	8.00	1.00	32.48	(163.9)	258.56		0.00
80com (4047-80A)	22.48	Corn		Corn		172		1.20	206.4	0	1.60	2.03	6.38	8.00	1.00	32.48	(163.9)	179.84		0.00
80hay (4047-80B)	11.62	Alfalfa	Alfalfa		5		45.00		243.0	50	1.39	1.73	5.54	6.80	1.00	27.61	(156.7)	79.02		0.00
81com (4047-81A)	22.20	Corn		Corn		172		1.20	206.4	0	1.60	3.19	6.38	7.60	2.00	51.13	(144.1)		168.72	0.00
81hay (4047-81B)	17.83	Alfalfa	Alfalfa		5		45.00		243.0	50	0.86	2.77	3.45	6.60	2.00	44.40	(141.5)		117.68	0.00
82com (4047-82A)	43.89	Corn		Corn		172		1.20	206.4	0	1.02	3.19	4.06	7.60	2.00	51.13	(147.0)		333.56	0.00
82hay (4047-82B)	50.18	Alfalfa	Alfalfa		5		45.00		243.0	50	1.39	1.73	5.54	6.80	1.00	27.61	(156.7)	341.22		0.00
89com (4047-89A)	15.79	Corn		Corn		172		1.20	206.4	0	1.60	2.03	6.38	8.00	1.00	32.48	(163.9)	126.32		0.00
89hay (4047-89B)	4.90	Alfalfa	Alfalfa		5		45.00		243.0	50	0.89	2.94	3.55	7.00	2.00	47.09	(138.5)		34.30	0.00
90hay (4047-90)	5.13	Alfalfa	Alfalfa		5		45.00		243.0	50	0.86	2.77	3.45	6.60	2.00	44.40	(141.5)		33.86	0.00
91ww (4047-91)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
91ww (4047-91) (A)	0.32	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00				

CROP YEAR		2013	2014	2014	SPRING	FALL	SPRING	FALL	PAN	PREVIOUS	PREVIOUS	MANURE	ORGANIC N	2014	2014	2014	2014	1	2	3
2014		CROP	SPRING	FALL	YIELD	YIELD	NITROGEN	NITROGEN	UPTAKE	PREVIOUS	3RD YR	2ND YR	1ST YR	APPL. RATE	MANURE	MANURE	TOTAL	BEEF	BEEF	BEEF
FIELD #	ACRES		CROP	Corn	UNITS/ACRE	UNITS/ACRE	lb/UNITS	lb/UNITS	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	lb/ACRE	(1,000 GAL OR TON)	#	lb/ACRE	PAN	SOLID W/O BED	SOLID W/O BED	ANAEROBIC
1A (T4047-1A)	15.24	Corn		Corn		172	206.4	1.20	206.4	0	1.02	2.03	4.06	8.00	1.00	32.48	(166.8)	121.92	115.82	0.00
1B (T4047-1B)	3.00	Corn		Corn		172	206.4	1.20	206.4	0	1.02	2.03	4.06	8.00	1.00	32.48	(166.8)	24.00	22.80	0.00
1C (T4047-1C)	1.02	Alfalfa		Alfalfa		5	45.00	45.00	243.0	50	1.39	1.73	5.54	6.80	1.00	27.61	(156.7)	6.94		0.00
2crp (T4047-2)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
2crp (T4047-2) (A)	8.15	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
3crp (T4047-3)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
3crp (T4047-3) (A)	5.58	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
4crp (T4047-4)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
4crp (T4047-4) (A)	6.21	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
5crp (T4047-5)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
5crp (T4047-5) (A)	7.21	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
7crp (T4074-7)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
7crp (T4074-7) (A)	3.84	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
8graze (T4047-8)	17.63	Pasture MM	Pasture MM		2		40.00		90.0	0	0.90	1.80	3.60	24.00	3.00	34.20	(49.5)			423.12
9graze (T4047-9)	19.51	Pasture MM	Pasture MM		2		40.00		90.0	0	0.90	1.80	3.60	24.00	3.00	34.20	(49.5)			468.24
10com (4047-10)	59.14	Corn		Corn		172	206.4	1.20	206.4	0	1.02	2.03	4.06	8.00	1.00	32.48	(166.8)	473.12	449.46	0.00
10com (4047-10) (A)	2.18	Corn		Corn		172	206.4	1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			0.00
11crp (4047-11)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
11crp (4047-11) (A)	4.47	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
12graze (4047-12)	40.78	Pasture MM	Pasture MM		2		40.00		90.0	0	0.90	1.80	3.60	24.00	3.00	34.20	(49.5)			978.72
13com (4047-13)	11.30	Corn		Corn		172	206.4	1.20	206.4	0	1.02	3.19	4.06	7.60	2.00	51.13	(147.0)	88.14	85.88	0.00
14crp (4047-14)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
14crp (4047-14) (A)	6.30	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
15com (4047-15)	6.85	Corn		Corn		172	206.4	1.20	206.4	0	1.02	2.03	4.06	8.00	1.00	32.48	(166.8)	54.80		0.00
15com (4047-15) (A)	4.60	Corn		Corn		172	206.4	1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			0.00
16com (4047-16)	14.59	Corn		Corn		172	206.4	1.20	206.4	0	1.02	3.19	4.06	7.60	2.00	51.13	(147.0)		110.88	0.00
17crp (4047-17)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
17crp (4047-17) (A)	5.03	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
18hay (4047-18)	35.41	Alfalfa	Alfalfa		5		45.00		243.0	50	0.86	2.77	3.45	6.60	2.00	44.40	(141.5)		233.71	0.00
19hay (4047-19)	20.45	Alfalfa	Alfalfa		5		45.00		243.0	50	0.86	2.77	3.45	6.60	2.00	44.40	(141.5)		134.97	0.00
20com (4047-20)	6.94	Corn		Corn		172	206.4	1.20	206.4	0	1.60	2.03	6.38	8.00	1.00	32.48	(163.9)	55.52		0.00
21hay (4047-21)	2.73	Alfalfa	Alfalfa		5		45.00		243.0	50	0.86	2.77	3.45	6.60	2.00	44.40	(141.5)		18.02	0.00
22com (4047-22)	10.60	Corn		Corn		172	206.4	1.20	206.4	0	1.60	2.03	6.38	8.00	1.00	32.48	(163.9)	84.80		0.00
23crp (4047-23)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
23crp (4047-23) (A)	6.42	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
24graze (4047-24)	23.67	Pasture MM	Pasture MM		2		40.00		90.0	0	0.75	1.50	3.00	20.00	3.00	28.50	(56.3)			473.40
25crp (4047-25)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
25crp (4047-25) (A)	1.99	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
26crp (4047-26)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
26crp (4047-26) (A)	8.94	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
27crp (4047-27)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
27crp (4047-27) (A)	3.96	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
28hay (4047-28)	7.45	Alfalfa	Alfalfa		5		45.00		243.0	50	1.39	1.73	5.54	6.80	1.00	27.61	(156.7)	50.66		0.00
29hay (4047-29)	1.06	Alfalfa	Alfalfa		5		45.00		243.0	50	1.39	1.73	5.54	6.80	1.00	27.61	(156.7)	7.21		0.00
31hay (4047-31)	5.31	Alfalfa	Alfalfa		5		45.00		243.0	50	1.39	1.73	5.54	6.80	1.00	27.61	(156.7)	36.11		0.00
37crp (4047-37)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
37crp (4047-37) (A)	2.85	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
54graze (4047-54)	6.92	Pasture MM	Pasture MM		2		40.00		90.0	0	0.75	1.50	3.00	20.00	3.00	28.50	(56.3)			138.40
56graze (4047-56)	1.93	Pasture MM	Pasture MM		2		40.00		90.0	0	0.75	1.50	3.00	20.00	3.00	28.50	(56.3)			38.60
70crp (4047-70)	0.00	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
70crp (4047-70) (A)	6.98	CRP	CRP		1		40.00		40.0	0	0.00	0.00	0.00	0.00		0.00	(40.0)			0.00
71com (4047-71)	3.56	Corn		Corn		172	206.4	1.20	206.4	0	1.60	2.03	6.38	8.00	1.00	32.48	(163.9)	28.48		0.00
72com (4047-72)	1.47	Corn		Corn		172	206.4	1.20	206.4	0	1.60	2.03	6.38	8.00	1.00	32.48	(163.9)	11.76		0.00
73hay (4047-73)	1.11	Alfalfa	Alfalfa		5		45.00		243.0	50	0.86	2.77	3.45	6.60	2.00	44.40	(141.5)		7.33	0.00
74com (4047-74)	10.25	Corn		Corn		172	206.4	1.20	206.4	0	1.60	2.03	6.38	8.00	1.00	32.48	(163.9)	82.00		0.00
74com (4047-74) (A)	2.72	Corn		Corn		172	206.4	1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			0.00
75com (4047-75)	44.68	Corn		Corn		172	206.4	1.20	206.4	0	1.47	1.78	5.88	7.00	1.00	28.42	(168.9)	312.76		0.00
75com (4047-75) (A)	3.37	Corn		Corn		172	206.4	1.20	206.4	0	0.00	0.00	0.00	0.00		0.00	(206.4)			0.00
77com (4047-77)	32.32	Corn		Corn		172	206.4	1.20	206.4	0	1.02	3.19	4.06	7.60	2.00	51.13	(147.0)		245.63	0.00
80com (4047-80A)	22.48	Corn		Corn		172	206.4	1.20	206.4	0	1.02	3.19	4.06	7.60	2.00	51.13	(147.0)		170.85	0.00
80hay (4047-80B)	11.62	Alfalfa	Alfalfa		5		45.00		243.0	50	0.86	2.77	3.45	6.60	2.00	44.40	(141.5)		76.69	0.00
81com (4047-81A)	22.20	Corn		Corn		172	206.4	1.20	206.4	0	1.60	3.19	6.38	7.60	2.00	51.13	(144.1)		168.72	0.00
81hay (4047-81B)	17.83	Alfalfa	Alfalfa		5		45.00		243.0	50	1.39	1.73	5.54	6.80	1.00	27.61	(156.7)	121.24		0.00
82com (4047-82A)	43.89	Corn		Corn		172	206.4	1.20	206.4	0	1.60	2.03	6.38	8.00	1.00	32.48	(163.9)	351.12		0.00
82hay (4047-82B)	50.18	Alfalfa	Alfalfa		5		45.00		243.0	50	0.86	2.77	3.45	6.60	2.00	44.40	(141.5)		331.19	0.00
89com (4047-89A)	15.79	Corn		Corn		172	206.4	1.20	206.4	0	1.02	3.19	4.06	7.60	2.00	51.13	(147.0)		120.00	0.00
89hay (4047-89B)	4.90	Alfalfa	Alfalfa		5		45.00		243.0	50	1.47	1.78	5.88	7.00	1.00	28.42	(155.5)	34.30		0.00
90hay (4047-90)	5.13	Alfalfa	Alfalfa		5		45.00		243.0	50	1.39	1.73	5.54	6.80	1.00	27.61	(156.7)	34.88		

MEDIAN SOIL TEST DATA

	2006				2007				2008			
	SOIL TEST				SOIL TEST				SOIL TEST			
	% OM	P	K	PH	% OM	P	K	PH	% OM	P	K	PH
		LB/AC	LB/AC			LB/AC	LB/AC			LB/AC	LB/AC	
1A (T4047-1A)	3.6	129.3	148.7	7								
1B (T4047-1B)	3.6	129.3	148.7	7								
1C (T4047-1C)	3.6	129.3	148.7	7								
2crp (T4047-2)		70	300									
2crp (T4047-2) (A)		70	300									
3crp (T4047-3)		70	300									
3crp (T4047-3) (A)		70	300									
4crp (T4047-4)		70	300									
4crp (T4047-4) (A)		70	300									
5crp (T4047-5)		70	300									
5crp (T4047-5) (A)		70	300									
7crp (T4074-7)		70	300									
7crp (T4074-7) (A)		70	300									
8graze (T4047-8)		70	300									
9graze (T4047-9)		70	300									
10corn (4047-10)	4.7	501.3	680.9	7.1								
10corn (4047-10) (A)		70	300									
11crp (4047-11)		70	300									
11crp (4047-11) (A)		70	300									
12graze (4047-12)		70	300									
13corn (4047-13)	2.6	82	138	6.7								
14crp (4047-14)		70	300									
14crp (4047-14) (A)		70	300									
15corn (4047-15)	3.9	522	934	7.1								
15corn (4047-15) (A)	3.9	522	934	7.1								
16corn (4047-16)	2.7	81.3	147.3	6.9								
17crp (4047-17)		70	300									
17crp (4047-17) (A)		70	300									
18hay (4047-18)		70	300									
19hay (4047-19)		70	300									
20corn (4047-20)		70	300									
21hay (4047-21)		70	300									
22corn (4047-22)	5.7	550	897	7.1								
23crp (4047-23)		70	300									
23crp (4047-23) (A)		70	300									
24graze (4047-24)		70	300									
25crp (4047-25)		70	300									
25crp (4047-25) (A)		70	300									
26crp (4047-26)		70	300									
26crp (4047-26) (A)		70	300									
27crp (4047-27)		70	300									
27crp (4047-27) (A)		70	300									
28hay (4047-28)		70	300									
29hay (4047-29)		70	300									
31hay (4047-31)		70	300									
37crp (4047-37)		70	300									
37crp (4047-37) (A)		70	300									
54graze (4047-54)		70	300									
56graze (4047-56)		70	300									
70crp (4047-70)		70	300									
70crp (4047-70) (A)		70	300									
71corn (4047-71)	3.3	442	440	7.2								
72corn (4047-72)	3.3	442	440	7.2								
73hay (4047-73)		70	300									
74corn (4047-74)	3.5	525	1022	7.2								
74corn (4047-74) (A)	3.5	525	1022	7.2								
75corn (4047-75)	4.6	479.9	919.6	6.9								

MEDIAN SOIL TEST DATA

	2006				2007				2008			
	SOIL TEST				SOIL TEST				SOIL TEST			
	% OM	P	K	PH	% OM	P	K	PH	% OM	P	K	PH
		LB/AC	LB/AC			LB/AC	LB/AC			LB/AC	LB/AC	
75corn (4047-75) (A)	4.6	479.9	919.6	6.9								
77corn (4047-77)	3.84	506.8	657.6	7.04								
80corn (4047-80A)	3.5	385.3	424.3	7.1								
80hay (4047-80B)	3.5	385.3	424.3	7.1								
81corn (4047-81A)	3.3	319.3	338.2									
81hay (4047-81B)	3.3	319.3	338.2									
82corn (4047-82A)	3.6	374.6	379.7	6.9								
82hay (4047-82B)	3.6	374.6	379.7	6.9								
89corn (4047-89A)	3.4	177.6	269.6	6.6								
89hay (4047-89B)	3.4	177.6	269.6	6.6								
90hay (4047-90)	70	300										
91ww (4047-91)	70	300										
91ww (4047-91) (A)	70	300										
92ww (4047-92)	70	300										
92ww (4047-92) (A)	70	300										
93ww (4047-93)	70	300										
93ww (4047-93) (A)	70	300										
94ww (4047-94)	70	300										
94ww (4047-94) (A)	70	300										
95ww (4047-95)	70	300										
95ww (4047-95) (A)	70	300										
96ww (4047-96)	70	300										
96ww (4047-96) (A)	70	300										
97ww (4047-97)	70	300										
97ww (4047-97) (A)	70	300										
98ww (4047-98)	70	300										
98ww (4047-98) (A)	70	300										
99ww (4047-99)	70	300										
99ww (4047-99) (A)	70	300										
100ww (4047-100)	70	300										
100ww (4047-100) (A)	70	300										
101ww (4047-101)	70	300										
101ww (4047-101) (A)	70	300										
102ww (4047-102)	70	300										
102ww (4047-102) (A)	70	300										
103ww (4047-103)	70	300										
103ww (4047-103) (A)	70	300										
104ww (4047-104)	70	300										
104ww (4047-104) (A)	70	300										
105ww (4047-105)	70	300										
105ww (4047-105) (A)	70	300										
107ww (4047-107)	70	300										
107ww (4047-107) (A)	70	300										
108corn (4047-108)	3.8	440.7	539.5	6.8								
115crp (4047-115)	70	300										
115crp (4047-115) (A)	70	300										
9hay (3605-9)	70	300										
12hay (3605-12)	70	300										
8hay (3608-8)	70	300										
14hay (3608-14)	70	300										

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)
2009	/ Corn	1A (T4047-1A)	15.24	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	/ Corn	1A (T4047-1A)	15.24			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	1A (T4047-1A)	15.24			82%	0%	0%	174.7	0.0	0.0			
2009	/ Corn	1B (T4047-1B)	3.00			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	1B (T4047-1B)	3.00	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	/ Corn	1B (T4047-1B)	3.00			82%	0%	0%	174.7	0.0	0.0			
2009	/ Alfalfa	1C (T4047-1C)	1.02			0%	0%	0%	0.0	0.0	0.0			
2009	/ Alfalfa	1C (T4047-1C)	1.02			0%	0%	0%	0.0	0.0	0.0			
2009	/ Alfalfa	1C (T4047-1C)	1.02	AA	213	0%	0%	0%	0.0	0.0	0.0	(148.6)	(0.3)	(60.7)
2009	CRP /	2crp (T4047-2)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	2crp (T4047-2)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	2crp (T4047-2)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	2crp (T4047-2) (A)	8.15	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	CRP /	2crp (T4047-2) (A)	8.15			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	2crp (T4047-2) (A)	8.15			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	2crp (T4047-2) (A)	8.15			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	3crp (T4047-3)	0.00	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	CRP /	3crp (T4047-3)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	3crp (T4047-3)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	3crp (T4047-3) (A)	5.58	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	4crp (T4047-4)	0.00	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	CRP /	4crp (T4047-4)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	4crp (T4047-4)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	4crp (T4047-4)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	4crp (T4047-4) (A)	6.21	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	5crp (T4047-5)	0.00	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	CRP /	5crp (T4047-5)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	5crp (T4047-5)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	5crp (T4047-5)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	5crp (T4047-5) (A)	7.21	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	CRP /	5crp (T4047-5) (A)	7.21			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	5crp (T4047-5) (A)	7.21			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	5crp (T4047-5) (A)	7.21			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	7crp (T4074-7)	0.00	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	CRP /	7crp (T4074-7)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	7crp (T4074-7)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	7crp (T4074-7)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	7crp (T4074-7) (A)	3.84	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	CRP /	7crp (T4074-7) (A)	3.84			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	7crp (T4074-7) (A)	3.84			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	7crp (T4074-7) (A)	3.84			0%	0%	0%	0.0	0.0	0.0			
2009	Pasture MM /	8graze (T4047-8)	17.63	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	Pasture MM /	8graze (T4047-8)	17.63			0%	0%	0%	0.0	0.0	0.0			
2009	Pasture MM /	8graze (T4047-8)	17.63			0%	0%	0%	0.0	0.0	0.0			
2009	Pasture MM /	8graze (T4047-8)	17.63			0%	0%	0%	0.0	0.0	0.0			
2009	Pasture MM /	9graze (T4047-9)	19.51	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	Pasture MM /	9graze (T4047-9)	19.51			0%	0%	0%	0.0	0.0	0.0			
2009	Pasture MM /	9graze (T4047-9)	19.51			0%	0%	0%	0.0	0.0	0.0			
2009	Pasture MM /	9graze (T4047-9)	19.51			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	10corn (4047-10)	59.14	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	/ Corn	10corn (4047-10)	59.14			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	10corn (4047-10)	59.14			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	10corn (4047-10) (A)	2.18			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	10corn (4047-10) (A)	2.18	AA	252	0%	0%	0%	0.0	0.0	0.0	0.2	(74.0)	(48.2)
2009	/ Corn	10corn (4047-10) (A)	2.18			82%	0%	0%	206.6	0.0	0.0			
2009	CRP /	11crp (4047-11)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	11crp (4047-11)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	11crp (4047-11)	0.00	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	CRP /	11crp (4047-11) (A)	4.47			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	11crp (4047-11) (A)	4.47			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	11crp (4047-11) (A)	4.47			0%	0%	0%	0.0	0.0	0.0			
2009	Pasture MM /	12graze (4047-12)	40.78	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	Pasture MM /	12graze (4047-12)	40.78			0%	0%	0%	0.0	0.0	0.0			
2009	Pasture MM /	12graze (4047-12)	40.78			0%	0%	0%	0.0	0.0	0.0			
2009	Pasture MM /	12graze (4047-12)	40.78			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	13corn (4047-13)	11.30	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	/ Corn	13corn (4047-13)	11.30			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	13corn (4047-13)	11.30			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	13corn (4047-13)	11.30			82%	0%	0%	174.7	0.0	0.0			
2009	CRP /	14crp (4047-14)	0.00	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	CRP /	14crp (4047-14)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	14crp (4047-14)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	14crp (4047-14)	0.00			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	14crp (4047-14) (A)	6.30	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	CRP /	14crp (4047-14) (A)	6.30			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	14crp (4047-14) (A)	6.30			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	14crp (4047-14) (A)	6.30			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	15corn (4047-15)	6.85	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	/ Corn	15corn (4047-15)	6.85			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	15corn (4047-15)	6.85			82%	0%	0%	174.7	0.0	0.0			
2009	/ Corn	15corn (4047-15) (A)	4.60			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	15corn (4047-15) (A)	4.60	AA	216	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	/ Corn	15corn (4047-15) (A)	4.6			82%	0%	0%	177.1	0.0	0.0			
2009	/ Corn	16corn (4047-16)	14.59			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	16corn (4047-16)	14.59			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	16corn (4047-16)	14.59	AA	213	82%	0%	0%	174.7	0.0	0.0	0.7	1.7	(15.0)
2009	CRP /	17crp (4047-17)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	17crp (4047-17)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	17crp (4047-17)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	17crp (4047-17) (A)	5.03	AA	213	0%	0%	0%	0.0	0.0	0.0	0.7	1.7	(15.0)
2009	CRP /	17crp (4047-17) (A)	5.03			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	17crp (4047-17) (A)	5.03			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	17crp (4047-17) (A)	5.03			0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	18hay (4047-18)	35.41	PC	266	0%	0%	0%	0.0	0.0	0.0	0.0	(0.5)	79.8
2009	Alfalfa /	18hay (4047-18)	35.41			0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	19hay (4047-19)	20.45			0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	19hay (4047-19)	20.45			0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	19hay (4047-19)	20.45	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2009	Alfalfa /	19hay (4047-19)	20.45			0%	0%	60%	0.0	0.0	159.6			
2009	/ Corn	20corn (4047-20)	6.94			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	20corn (4047-20)	6.94			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	20corn (4047-20)	6.94	AA PC	189	82%	0%	0%	155.0	0.0	0.0	(0.3)	0.3	6.3
2009	Alfalfa /	21hay (4047-21)	2.73			0%	0%	60%	0.0	0.0	159.6			
2009	Alfalfa /	21hay (4047-21)	2.73			0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	21hay (4047-21)	2.73			0%	0%	0%	0.0	0.0	0.0			

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)
2009	Alfalfa /	21hay (4047-21)	2.73	AA	189	0%	0%	0%	0.0	0.0	0.0	0.0		
2009	/ Corn	22corn (4047-22)	10.6			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	22corn (4047-22)	10.6			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	22corn (4047-22)	10.6			82%	0%	0%	155.0	0.0	0.0	(0.3)	0.3	6.3
2009	CRP /	23crp (4047-23)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	23crp (4047-23)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	23crp (4047-23)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	23crp (4047-23) (A)	6.42			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	23crp (4047-23) (A)	6.42			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	23crp (4047-23) (A)	6.42			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	Pasture MM /	24graze (4047-24)	23.67	0%	0%	0%	0.0	0.0	0.0					
2009	Pasture MM /	24graze (4047-24)	23.67	0%	0%	0%	0.0	0.0	0.0					
2009	Pasture MM /	24graze (4047-24)	23.67	0%	0%	0%	0.0	0.0	0.0	(61.5)	(3.6)	4.7		
2009	CRP /	25crp (4047-25)	0	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	25crp (4047-25)	0	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	25crp (4047-25)	0	0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2009	CRP /	25crp (4047-25) (A)	1.99	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	25crp (4047-25) (A)	1.99	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	25crp (4047-25) (A)	1.99	0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2009	CRP /	26crp (4047-26)	0	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	26crp (4047-26)	0	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	26crp (4047-26)	0	0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2009	CRP /	26crp (4047-26) (A)	8.94	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	26crp (4047-26) (A)	8.94	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	26crp (4047-26) (A)	8.94	0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2009	CRP /	27crp (4047-27)	0	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	27crp (4047-27)	0	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	27crp (4047-27)	0	0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2009	CRP /	27crp (4047-27) (A)	3.96	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	27crp (4047-27) (A)	3.96	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	27crp (4047-27) (A)	3.96	0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2009	Alfalfa /	28hay (4047-28)	7.45	PC	202	0%	0%	60%	0.0	0.0	121.2			
2009	Alfalfa /	28hay (4047-28)	7.45			0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	28hay (4047-28)	7.45			0%	0%	0%	0.0	0.0	0.0	0.0	(0.3)	60.5
2009	Alfalfa /	29hay (4047-29)	1.06	0%	0%	0%	0.0	0.0	0.0					
2009	Alfalfa /	29hay (4047-29)	1.06	0%	0%	0%	0.0	0.0	0.0					
2009	Alfalfa /	29hay (4047-29)	1.06	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2009	Alfalfa /	31hay (4047-31)	5.31	0%	0%	0%	0.0	0.0	0.0					
2009	Alfalfa /	31hay (4047-31)	5.31	0%	0%	0%	0.0	0.0	0.0					
2009	Alfalfa /	31hay (4047-31)	5.31	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2009	CRP /	37crp (4047-37)	0	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	37crp (4047-37)	0	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	37crp (4047-37)	0	0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2009	CRP /	37crp (4047-37) (A)	2.85	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	37crp (4047-37) (A)	2.85	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	37crp (4047-37) (A)	2.85	0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2009	Pasture MM /	54graze (4047-54)	6.92	0%	0%	0%	0.0	0.0	0.0					
2009	Pasture MM /	54graze (4047-54)	6.92	0%	0%	0%	0.0	0.0	0.0					
2009	Pasture MM /	54graze (4047-54)	6.92	0%	0%	0%	0.0	0.0	0.0	(61.5)	(3.6)	4.7		
2009	Pasture MM /	56graze (4047-56)	1.93	0%	0%	0%	0.0	0.0	0.0					
2009	Pasture MM /	56graze (4047-56)	1.93	0%	0%	0%	0.0	0.0	0.0					
2009	Pasture MM /	56graze (4047-56)	1.93	0%	0%	0%	0.0	0.0	0.0	(61.5)	(3.6)	4.7		
2009	CRP /	70crp (4047-70)	0	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	70crp (4047-70)	0	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	70crp (4047-70)	0	0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2009	CRP /	70crp (4047-70) (A)	6.98	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	70crp (4047-70) (A)	6.98	0%	0%	0%	0.0	0.0	0.0					
2009	CRP /	70crp (4047-70) (A)	6.98	0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2009	/ Corn	71corn (4047-71)	3.56	0%	0%	0%	0.0	0.0	0.0					
2009	/ Corn	71corn (4047-71)	3.56	0%	0%	0%	0.0	0.0	0.0					
2009	/ Corn	71corn (4047-71)	3.56	AA	189	82%	0%	0%	155.0	0.0	0.0	(0.3)	0.3	6.3
2009	/ Corn	72corn (4047-72)	1.47	0%	0%	0%	0.0	0.0	0.0					
2009	/ Corn	72corn (4047-72)	1.47	0%	0%	0%	0.0	0.0	0.0					
2009	/ Corn	72corn (4047-72)	1.47	AA	189	82%	0%	0%	155.0	0.0	0.0	(0.3)	0.3	6.3
2009	Alfalfa /	73hay (4047-73)	1.11	0%	0%	0%	0.0	0.0	0.0					
2009	Alfalfa /	73hay (4047-73)	1.11	0%	0%	0%	0.0	0.0	0.0					
2009	Alfalfa /	73hay (4047-73)	1.11	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2009	/ Corn	74corn (4047-74)	10.25	0%	0%	0%	0.0	0.0	0.0					
2009	/ Corn	74corn (4047-74)	10.25	0%	0%	0%	0.0	0.0	0.0					
2009	/ Corn	74corn (4047-74)	10.25	AA	189	82%	0%	0%	155.0	0.0	0.0	(0.3)	0.3	6.3
2009	/ Corn	74corn (4047-74) (A)	2.72	PC	80	0%	0%	60%	0.0	0.0	48.0			
2009	/ Corn	74corn (4047-74) (A)	2.72	0%	0%	0%	0.0	0.0	0.0					
2009	/ Corn	74corn (4047-74) (A)	2.72	AA	216	82%	0%	0%	177.1	0.0	0.0	(29.3)	(74.0)	(0.2)
2009	/ Corn	75corn (4047-75)	44.68	0%	0%	0%	0.0	0.0	0.0					
2009	/ Corn	75corn (4047-75)	44.68	0%	0%	0%	0.0	0.0	0.0					
2009	/ Corn	75corn (4047-75)	44.68	AA	189	82%	0%	0%	155.0	0.0	0.0	(4.3)	(5.5)	2.0
2009	/ Corn	75corn (4047-75) (A)	3.37	PC	80	0%	0%	60%	0.0	0.0	48.0			
2009	/ Corn	75corn (4047-75) (A)	3.37	0%	0%	0%	0.0	0.0	0.0					
2009	/ Corn	75corn (4047-75) (A)	3.37	AA	216	82%	0%	0%	177.1	0.0	0.0	(29.3)	(74.0)	(0.2)
2009	/ Corn	77corn (4047-77)	32.32	0%	0%	0%	0.0	0.0	0.0					
2009	/ Corn	77corn (4047-77)	32.32	0%	0%	0%	0.0	0.0	0.0					
2009	/ Corn	77corn (4047-77)	32.32	AA	213	82%	0%	0%	174.7	0.0	0.0	0.7	1.7	(15.0)
2009	/ Corn	80corn (4047-80A)	22.48	0%	0%	0%	0.0	0.0	0.0					
2009	/ Corn	80corn (4047-80A)	22.48	0%	0%	0%	0.0	0.0	0.0					
2009	/ Corn	80corn (4047-80A)	22.48	AA	213	82%	0%	0%	174.7	0.0	0.0	0.7	1.7	(15.0)
2009	Alfalfa /	80hay (4047-80B)	11.62	0%	0%	0%	0.0	0.0	0.0					
2009	Alfalfa /	80hay (4047-80B)	11.62	0%	0%	0%	0.0	0.0	0.0					
2009	Alfalfa /	80hay (4047-80B)	11.62	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2009	/ Corn	81corn (4047-81A)	22.2	0%	0%	0%	0.0	0.0	0.0					
2009	/ Corn	81corn (4047-81A)	22.2	0%	0%	0%	0.0	0.0	0.0					
2009	/ Corn	81corn (4047-81A)	22.2	AA	189	82%	0%	0%	155.0	0.0	0.0	(0.3)	0.3	6.3
2009	Alfalfa /	81hay (4047-81B)	17.83	PC	202	0%	0%	60%	0.0	0.0	121.2			
2009	Alfalfa /	81hay (4047-81B)	17.83	0%	0%	0%	0.0	0.0	0.0					
2009	Alfalfa /	81hay (4047-81B)	17.83	0%	0%	0%	0.0	0.0	0.0					
2009	Alfalfa /	81hay (4047-81B)	17.83	0%	0%	0%	0.0	0.0	0.0	0.0	(0.3)	60.5		
2009	/ Corn	82corn (4047-82A)	43.89	0%	0%	0%	0.0	0.0	0.0					

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)
2009	/ Corn	82corn (4047-82A)	43.89	AA	189	0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	82corn (4047-82A)	43.89			82%	0%	0%	155.0	0.0	0.0	(0.3)	0.3	6.3
2009	Alfalfa /	82hay (4047-82B)	50.18			0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	82hay (4047-82B)	50.18	PC	266	0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	82hay (4047-82B)	50.18			0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2009	/ Corn	89corn (4047-89A)	15.79			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	89corn (4047-89A)	15.79	AA	213	0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	89corn (4047-89A)	15.79			82%	0%	0%	174.7	0.0	0.0	0.7	1.7	(15.0)
2009	Alfalfa /	89hay (4047-89B)	4.9			0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	89hay (4047-89B)	4.9	PC	255	0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	89hay (4047-89B)	4.9			0%	0%	60%	0.0	0.0	153.0	0.0	1.4	74.0
2009	Alfalfa /	90hay (4047-90)	5.13			0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	90hay (4047-90)	5.13	PC	202	0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	90hay (4047-90)	5.13			0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2009	CRP /	91ww (4047-91)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	91ww (4047-91)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	91ww (4047-91)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	91ww (4047-91) (A)	0.32			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	91ww (4047-91) (A)	0.32			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	91ww (4047-91) (A)	0.32			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	92ww (4047-92) (A)	0.05			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	92ww (4047-92) (A)	0.05			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	92ww (4047-92) (A)	0.05			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	93ww (4047-93)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	93ww (4047-93)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	93ww (4047-93)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	93ww (4047-93) (A)	0.3			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	93ww (4047-93) (A)	0.3			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	93ww (4047-93) (A)	0.3			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	94ww (4047-94)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	94ww (4047-94)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	94ww (4047-94)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	94ww (4047-94) (A)	0.11			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	94ww (4047-94) (A)	0.11			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	94ww (4047-94) (A)	0.11			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	95ww (4047-95)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	95ww (4047-95)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	95ww (4047-95)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	95ww (4047-95) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	95ww (4047-95) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	95ww (4047-95) (A)	0.06			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	96ww (4047-96)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	96ww (4047-96)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	96ww (4047-96)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	96ww (4047-96) (A)	1.31			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	96ww (4047-96) (A)	1.31			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	96ww (4047-96) (A)	1.31			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	97ww (4047-97)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	97ww (4047-97)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	97ww (4047-97)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	97ww (4047-97) (A)	0.21			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	97ww (4047-97) (A)	0.21			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	97ww (4047-97) (A)	0.21			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	98ww (4047-98)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	98ww (4047-98)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	98ww (4047-98)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	98ww (4047-98) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	98ww (4047-98) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	98ww (4047-98) (A)	0.1			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	99ww (4047-99)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	99ww (4047-99)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	99ww (4047-99)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	99ww (4047-99) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	99ww (4047-99) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	99ww (4047-99) (A)	0.1			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	100ww (4047-100)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	100ww (4047-100)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	100ww (4047-100)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	100ww (4047-100) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	100ww (4047-100) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	100ww (4047-100) (A)	0.06			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	101ww (4047-101)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	101ww (4047-101)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	101ww (4047-101)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	101ww (4047-101) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	101ww (4047-101) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	101ww (4047-101) (A)	0.13			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	102ww (4047-102)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	102ww (4047-102)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	102ww (4047-102)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	102ww (4047-102) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	102ww (4047-102) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	102ww (4047-102) (A)	0.13			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	103ww (4047-103)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	103ww (4047-103)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	103ww (4047-103)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	103ww (4047-103) (A)	2.94			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	103ww (4047-103) (A)	2.94			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	103ww (4047-103) (A)	2.94			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	104ww (4047-104)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	104ww (4047-104)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	104ww (4047-104)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N	P2O5	K2O	PAN	P2O5	K2O
									(#/ACRE)	(#/ACRE)	(#/ACRE)	(#/ACRE)	(#/ACRE)	(#/ACRE)
2009	CRP /	104ww (4047-104) (A)	2.07			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	104ww (4047-104) (A)	2.07			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	104ww (4047-104) (A)	2.07			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	105ww (4047-105)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	105ww (4047-105)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	105ww (4047-105)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	105ww (4047-105) (A)	0.63			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	105ww (4047-105) (A)	0.63			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	105ww (4047-105) (A)	0.63			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	107ww (4047-107)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	107ww (4047-107)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	107ww (4047-107)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	107ww (4047-107) (A)	4.92			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	107ww (4047-107) (A)	4.92			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	107ww (4047-107) (A)	4.92			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	/ Corn	108corn (4047-108)	55.68			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	108corn (4047-108)	55.68			0%	0%	0%	0.0	0.0	0.0			
2009	/ Corn	108corn (4047-108)	55.68	AA	213	82%	0%	0%	174.7	0.0	0.0	0.7	1.7	(15.0)
2009	CRP /	115crp (4047-115)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	115crp (4047-115)	0			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	115crp (4047-115)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	CRP /	115crp (4047-115) (A)	2.12			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	115crp (4047-115) (A)	2.12			0%	0%	0%	0.0	0.0	0.0			
2009	CRP /	115crp (4047-115) (A)	2.12			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2009	Alfalfa /	9hay (3605-9)	14.23			0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	9hay (3605-9)	14.23			0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	9hay (3605-9)	14.23	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2009	Alfalfa /	12hay (3605-12)	10.93			0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	12hay (3605-12)	10.93			0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	12hay (3605-12)	10.93	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2009	Alfalfa /	8hay (3608-8)	6.98			0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	8hay (3608-8)	6.98			0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	8hay (3608-8)	6.98	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2009	Alfalfa /	14hay (3608-14)	2.77			0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	14hay (3608-14)	2.77			0%	0%	0%	0.0	0.0	0.0			
2009	Alfalfa /	14hay (3608-14)	2.77	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2010	/ Corn	1A (T4047-1A)	15.24			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	1A (T4047-1A)	15.24			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	1A (T4047-1A)	15.24	AA	213	82%	0%	0%	174.7	0.0	0.0	0.7	1.7	(15.0)
2010	/ Corn	1B (T4047-1B)	3			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	1B (T4047-1B)	3			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	1B (T4047-1B)	3	AA	208	82%	0%	0%	170.6	0.0	0.0	0.7	1.7	(15.0)
2010	/ Alfalfa	1C (T4047-1C)	1.02			0%	0%	0%	0.0	0.0	0.0			
2010	/ Alfalfa	1C (T4047-1C)	1.02			0%	0%	0%	0.0	0.0	0.0			
2010	/ Alfalfa	1C (T4047-1C)	1.02			0%	0%	0%	0.0	0.0	0.0	(161.3)	(0.5)	(79.8)
2010	CRP /	2crp (T4047-2)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	2crp (T4047-2)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	2crp (T4047-2)	0			0%	0%	0%	0.0	0.0	0.0	(34.5)	(12.0)	(50.0)
2010	CRP /	2crp (T4047-2) (A)	8.15			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	2crp (T4047-2) (A)	8.15			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	2crp (T4047-2) (A)	8.15			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	3crp (T4047-3)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	3crp (T4047-3)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	3crp (T4047-3)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	4crp (T4047-4)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	4crp (T4047-4)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	4crp (T4047-4)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	5crp (T4047-5)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	5crp (T4047-5)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	5crp (T4047-5)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	5crp (T4047-5) (A)	7.21			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	5crp (T4047-5) (A)	7.21			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	5crp (T4047-5) (A)	7.21			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	7crp (T4074-7)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	7crp (T4074-7)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	7crp (T4074-7)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	7crp (T4074-7) (A)	3.84			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	7crp (T4074-7) (A)	3.84			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	7crp (T4074-7) (A)	3.84			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	Pasture MM /	8graze (T4047-8)	17.63			0%	0%	0%	0.0	0.0	0.0			
2010	Pasture MM /	8graze (T4047-8)	17.63			0%	0%	0%	0.0	0.0	0.0			
2010	Pasture MM /	8graze (T4047-8)	17.63			0%	0%	0%	0.0	0.0	0.0	(55.8)	1.1	28.1
2010	Pasture MM /	9graze (T4047-9)	19.51			0%	0%	0%	0.0	0.0	0.0			
2010	Pasture MM /	9graze (T4047-9)	19.51			0%	0%	0%	0.0	0.0	0.0			
2010	Pasture MM /	9graze (T4047-9)	19.51			0%	0%	0%	0.0	0.0	0.0	(52.2)	1.1	28.1
2010	/ Corn	10corn (4047-10)	59.14			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	10corn (4047-10)	59.14			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	10corn (4047-10)	59.14	AA	189	82%	0%	0%	155.0	0.0	0.0	(15.3)	1.7	(15.0)
2010	/ Corn	10corn (4047-10) (A)	2.18	PC	80	0%	0%	60%	0.0	0.0	48.0			
2010	/ Corn	10corn (4047-10) (A)	2.18	DAP	161	18%	46%	0%	29.0	74.1	0.0			
2010	/ Corn	10corn (4047-10) (A)	2.18	AA	211	82%	0%	0%	173.0	0.0	0.0	(0.3)	0.1	(0.2)
2010	CRP /	11crp (4047-11)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	11crp (4047-11)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	11crp (4047-11)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	11crp (4047-11) (A)	4.47			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	11crp (4047-11) (A)	4.47			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	11crp (4047-11) (A)	4.47			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	Pasture MM /	12graze (4047-12)	40.78			0%	0%	0%	0.0	0.0	0.0			
2010	Pasture MM /	12graze (4047-12)	40.78			0%	0%	0%	0.0	0.0	0.0			

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)
2010	Pasture MM /	12graze (4047-12)	40.78	AA	189	0%	0%	0%	0.0	0.0	0.0	(55.8)	1.1	28.1
2010	/ Corn	13corn (4047-13)	11.3			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	13corn (4047-13)	11.3			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	13corn (4047-13)	11.3			82%	0%	0%	155.0	0.0	0.0	3.3	0.3	6.3
2010	CRP /	14crp (4047-14)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	14crp (4047-14)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	14crp (4047-14)	0			0%	0%	0%	0.0	0.0	0.0	(35.9)	(12.0)	(50.0)
2010	CRP /	14crp (4047-14) (A)	6.3			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	14crp (4047-14) (A)	6.3			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	14crp (4047-14) (A)	6.3			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	/ Corn	15corn (4047-15)	6.85	AA	213	0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	15corn (4047-15)	6.85			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	15corn (4047-15)	6.85			82%	0%	0%	174.7	0.0	0.0	0.7	1.7	(15.0)
2010	/ Corn	15corn (4047-15) (A)	4.6			0%	0%	60%	0.0	0.0	48.0			
2010	/ Corn	15corn (4047-15) (A)	4.6			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	15corn (4047-15) (A)	4.6			82%	0%	0%	173.0	0.0	0.0	(29.3)	(74.0)	(0.2)
2010	/ Corn	16corn (4047-16)	14.59			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	16corn (4047-16)	14.59			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	16corn (4047-16)	14.59			82%	0%	0%	155.0	0.0	0.0	(0.3)	0.3	6.3
2010	CRP /	17crp (4047-17)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	17crp (4047-17)	0	AA	209	0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	17crp (4047-17)	0			0%	0%	0%	0.0	0.0	0.0	(35.9)	(12.0)	(50.0)
2010	CRP /	17crp (4047-17) (A)	5.03			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	17crp (4047-17) (A)	5.03			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	17crp (4047-17) (A)	5.03			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	Alfalfa /	18hay (4047-18)	35.41			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	18hay (4047-18)	35.41			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	18hay (4047-18)	35.41			0%	0%	0%	0.0	0.0	0.0	0.0	(0.3)	(60.7)
2010	Alfalfa /	19hay (4047-19)	20.45			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	19hay (4047-19)	20.45			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	19hay (4047-19)	20.45	0%	0%	0%	0.0	0.0	0.0	0.0	(0.3)	(60.7)		
2010	/ Corn	20corn (4047-20)	6.94	AA	209	0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	20corn (4047-20)	6.94			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	20corn (4047-20)	6.94			82%	0%	0%	171.4	0.0	0.0	0.9	1.7	(15.0)
2010	Alfalfa /	21hay (4047-21)	2.73			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	21hay (4047-21)	2.73			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	21hay (4047-21)	2.73			0%	0%	0%	0.0	0.0	0.0	0.0	(0.3)	(60.7)
2010	/ Corn	22corn (4047-22)	10.6			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	22corn (4047-22)	10.6			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	22corn (4047-22)	10.6			82%	0%	0%	171.4	0.0	0.0	0.9	1.7	(15.0)
2010	CRP /	23crp (4047-23)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	23crp (4047-23)	0	AA	209	0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	23crp (4047-23)	0			0%	0%	0%	0.0	0.0	0.0	(33.6)	(12.0)	(50.0)
2010	CRP /	23crp (4047-23) (A)	6.42			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	23crp (4047-23) (A)	6.42			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	23crp (4047-23) (A)	6.42			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	Pasture MM /	24graze (4047-24)	23.67			0%	0%	0%	0.0	0.0	0.0			
2010	Pasture MM /	24graze (4047-24)	23.67			0%	0%	0%	0.0	0.0	0.0			
2010	Pasture MM /	24graze (4047-24)	23.67			0%	0%	0%	0.0	0.0	0.0	(61.5)	(3.6)	4.7
2010	CRP /	25crp (4047-25)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	25crp (4047-25)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	25crp (4047-25)	0	0%	0%	0%	0.0	0.0	0.0	(37.0)	(12.0)	(50.0)		
2010	CRP /	25crp (4047-25) (A)	1.99	AA	209	0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	25crp (4047-25) (A)	1.99			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	25crp (4047-25) (A)	1.99			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	26crp (4047-26)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	26crp (4047-26)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	26crp (4047-26)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	26crp (4047-26) (A)	8.94			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	26crp (4047-26) (A)	8.94			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	26crp (4047-26) (A)	8.94			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	27crp (4047-27)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	27crp (4047-27)	0	AA	209	0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	27crp (4047-27)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	27crp (4047-27)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	27crp (4047-27) (A)	3.96			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	27crp (4047-27) (A)	3.96			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	27crp (4047-27) (A)	3.96			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	Alfalfa /	28hay (4047-28)	7.45			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	28hay (4047-28)	7.45			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	28hay (4047-28)	7.45			0%	0%	0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)
2010	Alfalfa /	29hay (4047-29)	1.06			AA	209	0%	0%	0%	0.0	0.0	0.0	
2010	Alfalfa /	29hay (4047-29)	1.06	0%	0%			0%	0.0	0.0	0.0			
2010	Alfalfa /	29hay (4047-29)	1.06	0%	0%			0%	0.0	0.0	0.0			
2010	Alfalfa /	29hay (4047-29)	1.06	0%	0%			0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)
2010	Alfalfa /	31hay (4047-31)	5.31	0%	0%			0%	0.0	0.0	0.0			
2010	Alfalfa /	31hay (4047-31)	5.31	0%	0%			0%	0.0	0.0	0.0			
2010	Alfalfa /	31hay (4047-31)	5.31	0%	0%			0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)
2010	CRP /	37crp (4047-37)	0	0%	0%			0%	0.0	0.0	0.0			
2010	CRP /	37crp (4047-37)	0	0%	0%			0%	0.0	0.0	0.0			
2010	CRP /	37crp (4047-37)	0	0%	0%			0%	0.0	0.0	0.0	(34.5)	(12.0)	(50.0)
2010	CRP /	37crp (4047-37) (A)	2.85	AA	209	0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	37crp (4047-37) (A)	2.85			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	37crp (4047-37) (A)	2.85			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	Pasture MM /	54graze (4047-54)	6.92			0%	0%	0%	0.0	0.0	0.0			
2010	Pasture MM /	54graze (4047-54)	6.92			0%	0%	0%	0.0	0.0	0.0			
2010	Pasture MM /	54graze (4047-54)	6.92			0%	0%	0%	0.0	0.0	0.0	(61.5)	(3.6)	4.7
2010	Pasture MM /	56graze (4047-56)	1.93			0%	0%	0%	0.0	0.0	0.0			
2010	Pasture MM /	56graze (4047-56)	1.93			0%	0%	0%	0.0	0.0	0.0			
2010	Pasture MM /	56graze (4047-56)	1.93			0%	0%	0%	0.0	0.0	0.0	(58.5)	(3.6)	4.7
2010	CRP /	70crp (4047-70)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	70crp (4047-70)	0	AA	209	0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	70crp (4047-70)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	70crp (4047-70)	0			0%	0%	0%	0.0	0.0	0.0	(37.0)	(12.0)	(50.0)
2010	CRP /	70crp (4047-70) (A)	6.98	AA	209	0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	70crp (4047-70) (A)	6.98			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	70crp (4047-70) (A)	6.98			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	/ Corn	71corn (4047-71)	3.56	0%	0%	0%	0.0	0.0	0.0					

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)
2010	/ Corn	71corn (4047-71)	3.56			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	71corn (4047-71)	3.56	AA	213	82%	0%	0%	174.7	0.0	0.0	0.7	1.7	(15.0)
2010	/ Corn	72corn (4047-72)	1.47			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	72corn (4047-72)	1.47			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	72corn (4047-72)	1.47	AA	205	82%	0%	0%	168.1	0.0	0.0	0.6	1.7	(15.0)
2010	Alfalfa /	73hay (4047-73)	1.11			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	73hay (4047-73)	1.11			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	73hay (4047-73)	1.11			0%	0%	0%	0.0	0.0	0.0	0.0	(0.3)	(60.7)
2010	/ Corn	74corn (4047-74)	10.25			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	74corn (4047-74)	10.25			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	74corn (4047-74)	10.25	AA	209	82%	0%	0%	171.4	0.0	0.0	0.9	1.7	(15.0)
2010	/ Corn	74corn (4047-74) (A)	2.72	PC	80	0%	0%	60%	0.0	0.0	48.0			
2010	/ Corn	74corn (4047-74) (A)	2.72			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	74corn (4047-74) (A)	2.72	AA	209	82%	0%	0%	171.4	0.0	0.0	(28.6)	(74.0)	(0.2)
2010	/ Corn	75corn (4047-75)	44.68			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	75corn (4047-75)	44.68			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	75corn (4047-75)	44.68	AA	213	82%	0%	0%	174.7	0.0	0.0	(3.3)	(7.7)	(19.1)
2010	/ Corn	75corn (4047-75) (A)	3.37	PC	80	0%	0%	60%	0.0	0.0	48.0			
2010	/ Corn	75corn (4047-75) (A)	3.37			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	75corn (4047-75) (A)	3.37	AA	209	82%	0%	0%	171.4	0.0	0.0	(29.1)	(74.0)	(0.2)
2010	/ Corn	77corn (4047-77)	32.32			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	77corn (4047-77)	32.32			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	77corn (4047-77)	32.32	AA	189	82%	0%	0%	155.0	0.0	0.0	(0.3)	0.3	6.3
2010	/ Corn	80corn (4047-80A)	22.48			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	80corn (4047-80A)	22.48			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	80corn (4047-80A)	22.48	AA	185	82%	0%	0%	151.7	0.0	0.0	0.5	0.3	6.3
2010	Alfalfa /	80hay (4047-80B)	11.62			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	80hay (4047-80B)	11.62			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	80hay (4047-80B)	11.62			0%	0%	0%	0.0	0.0	0.0	0.0	(0.3)	(60.7)
2010	/ Corn	81corn (4047-81A)	22.2			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	81corn (4047-81A)	22.2			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	81corn (4047-81A)	22.2	AA	185	82%	0%	0%	151.7	0.0	0.0	(0.1)	0.3	6.3
2010	Alfalfa /	81hay (4047-81B)	17.83			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	81hay (4047-81B)	17.83			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	81hay (4047-81B)	17.83			0%	0%	0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)
2010	/ Corn	82corn (4047-82A)	43.89			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	82corn (4047-82A)	43.89			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	82corn (4047-82A)	43.89	AA	206	82%	0%	0%	168.9	0.0	0.0	0.5	1.7	(15.0)
2010	Alfalfa /	82hay (4047-82B)	50.18			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	82hay (4047-82B)	50.18			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	82hay (4047-82B)	50.18			0%	0%	0%	0.0	0.0	0.0	0.0	(0.3)	(60.7)
2010	/ Corn	89corn (4047-89A)	15.79			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	89corn (4047-89A)	15.79			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	89corn (4047-89A)	15.79	AA	185	82%	0%	0%	151.7	0.0	0.0	(0.1)	0.3	6.3
2010	Alfalfa /	89hay (4047-89B)	4.9			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	89hay (4047-89B)	4.9			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	89hay (4047-89B)	4.9			0%	0%	0%	0.0	0.0	0.0	0.0	1.4	(79.0)
2010	Alfalfa /	90hay (4047-90)	5.13			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	90hay (4047-90)	5.13			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	90hay (4047-90)	5.13			0%	0%	0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)
2010	CRP /	91ww (4047-91)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	91ww (4047-91)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	91ww (4047-91)	0			0%	0%	0%	0.0	0.0	0.0	(34.5)	(12.0)	(50.0)
2010	CRP /	91ww (4047-91) (A)	0.32			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	91ww (4047-91) (A)	0.32			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	91ww (4047-91) (A)	0.32			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	92ww (4047-92) (A)	0.05			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	92ww (4047-92) (A)	0.05			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	92ww (4047-92) (A)	0.05			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	93ww (4047-93)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	93ww (4047-93)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	93ww (4047-93)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	93ww (4047-93) (A)	0.3			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	93ww (4047-93) (A)	0.3			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	93ww (4047-93) (A)	0.3			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	94ww (4047-94)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	94ww (4047-94)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	94ww (4047-94)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	94ww (4047-94) (A)	0.11			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	94ww (4047-94) (A)	0.11			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	94ww (4047-94) (A)	0.11			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	95ww (4047-95)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	95ww (4047-95)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	95ww (4047-95)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	95ww (4047-95) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	95ww (4047-95) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	95ww (4047-95) (A)	0.06			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	96ww (4047-96)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	96ww (4047-96)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	96ww (4047-96)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	96ww (4047-96) (A)	1.31			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	96ww (4047-96) (A)	1.31			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	96ww (4047-96) (A)	1.31			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	97ww (4047-97)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	97ww (4047-97)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	97ww (4047-97)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	97ww (4047-97) (A)	0.21			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	97ww (4047-97) (A)	0.21			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	97ww (4047-97) (A)	0.21			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	98ww (4047-98)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	98ww (4047-98)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	98ww (4047-98)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N	P2O5	K2O	PAN	P2O5	K2O
									(#/ACRE)	(#/ACRE)	(#/ACRE)	(#/ACRE)	(#/ACRE)	(#/ACRE)
2010	CRP /	98ww (4047-98) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	98ww (4047-98) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	98ww (4047-98) (A)	0.1			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	99ww (4047-99)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	99ww (4047-99)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	99ww (4047-99)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	99ww (4047-99) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	99ww (4047-99) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	99ww (4047-99) (A)	0.1			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	100ww (4047-100)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	100ww (4047-100)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	100ww (4047-100)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	100ww (4047-100) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	100ww (4047-100) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	100ww (4047-100) (A)	0.06			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	101ww (4047-101)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	101ww (4047-101)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	101ww (4047-101)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	101ww (4047-101) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	101ww (4047-101) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	101ww (4047-101) (A)	0.13			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	102ww (4047-102)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	102ww (4047-102)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	102ww (4047-102)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	102ww (4047-102) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	102ww (4047-102) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	102ww (4047-102) (A)	0.13			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	103ww (4047-103)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	103ww (4047-103)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	103ww (4047-103)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	103ww (4047-103) (A)	2.94			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	103ww (4047-103) (A)	2.94			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	103ww (4047-103) (A)	2.94			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	104ww (4047-104)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	104ww (4047-104)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	104ww (4047-104)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	104ww (4047-104) (A)	2.07			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	104ww (4047-104) (A)	2.07			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	104ww (4047-104) (A)	2.07			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	105ww (4047-105)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	105ww (4047-105)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	105ww (4047-105)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	105ww (4047-105) (A)	0.63			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	105ww (4047-105) (A)	0.63			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	105ww (4047-105) (A)	0.63			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	107ww (4047-107)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	107ww (4047-107)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	107ww (4047-107)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	CRP /	107ww (4047-107) (A)	4.92			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	107ww (4047-107) (A)	4.92			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	107ww (4047-107) (A)	4.92			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	/ Corn	108corn (4047-108)	55.68			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	108corn (4047-108)	55.68			0%	0%	0%	0.0	0.0	0.0			
2010	/ Corn	108corn (4047-108)	55.68	AA	189	82%	0%	0%	155.0	0.0	0.0	(0.3)	0.3	6.3
2010	CRP /	115crp (4047-115)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	115crp (4047-115)	0			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	115crp (4047-115)	0			0%	0%	0%	0.0	0.0	0.0	(35.9)	(12.0)	(50.0)
2010	CRP /	115crp (4047-115) (A)	2.12			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	115crp (4047-115) (A)	2.12			0%	0%	0%	0.0	0.0	0.0			
2010	CRP /	115crp (4047-115) (A)	2.12			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2010	Alfalfa /	9hay (3605-9)	14.23			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	9hay (3605-9)	14.23			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	9hay (3605-9)	14.23			0%	0%	0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)
2010	Alfalfa /	12hay (3605-12)	10.93			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	12hay (3605-12)	10.93			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	12hay (3605-12)	10.93			0%	0%	0%	0.0	0.0	0.0	0.0	(0.3)	(60.7)
2010	Alfalfa /	8hay (3608-8)	6.98			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	8hay (3608-8)	6.98			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	8hay (3608-8)	6.98			0%	0%	0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)
2010	Alfalfa /	14hay (3608-14)	2.77			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	14hay (3608-14)	2.77			0%	0%	0%	0.0	0.0	0.0			
2010	Alfalfa /	14hay (3608-14)	2.77			0%	0%	0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)
2011	/ Corn	1A (T4047-1A)	15.24			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	1A (T4047-1A)	15.24			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	1A (T4047-1A)	15.24	AA	206	82%	0%	0%	168.9	0.0	0.0	0.5	1.7	(15.0)
2011	/ Corn	1B (T4047-1B)	3			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	1B (T4047-1B)	3			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	1B (T4047-1B)	3	AA	206	82%	0%	0%	168.9	0.0	0.0	1.1	1.7	(15.0)
2011	/ Alfalfa	1C (T4047-1C)	1.02			0%	0%	0%	0.0	0.0	0.0			
2011	/ Alfalfa	1C (T4047-1C)	1.02			0%	0%	0%	0.0	0.0	0.0			
2011	/ Alfalfa	1C (T4047-1C)	1.02	PC	202	0%	0%	60%	0.0	0.0	121.2	(142.5)	(0.3)	60.5
2011	CRP /	2crp (T4047-2)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	2crp (T4047-2)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	2crp (T4047-2)	0			0%	0%	0%	0.0	0.0	0.0	(33.8)	(12.0)	(50.0)
2011	CRP /	2crp (T4047-2) (A)	8.15			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	2crp (T4047-2) (A)	8.15			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	2crp (T4047-2) (A)	8.15			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	3crp (T4047-3)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	3crp (T4047-3)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	3crp (T4047-3)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	4crp (T4047-4)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	4crp (T4047-4)	0			0%	0%	0%	0.0	0.0	0.0			

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)
2011	CRP /	4crp (T4047-4)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	5crp (T4047-5)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	5crp (T4047-5)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	5crp (T4047-5)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	5crp (T4047-5) (A)	7.21			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	5crp (T4047-5) (A)	7.21			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	5crp (T4047-5) (A)	7.21			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	7crp (T4074-7)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	7crp (T4074-7)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	7crp (T4074-7) (A)	3.84			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	7crp (T4074-7) (A)	3.84			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	7crp (T4074-7) (A)	3.84			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	Pasture MM /	8graze (T4047-8)	17.63			0%	0%	0%	0.0	0.0	0.0			
2011	Pasture MM /	8graze (T4047-8)	17.63			0%	0%	0%	0.0	0.0	0.0			
2011	Pasture MM /	8graze (T4047-8)	17.63			0%	0%	0%	0.0	0.0	0.0	(55.8)	1.1	28.1
2011	Pasture MM /	9graze (T4047-9)	19.51			0%	0%	0%	0.0	0.0	0.0			
2011	Pasture MM /	9graze (T4047-9)	19.51			0%	0%	0%	0.0	0.0	0.0			
2011	Pasture MM /	9graze (T4047-9)	19.51			0%	0%	0%	0.0	0.0	0.0	(50.4)	1.1	28.1
2011	/ Corn	10corn (4047-10)	59.14			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	10corn (4047-10)	59.14			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	10corn (4047-10) (A)	2.18	AA	213	82%	0%	0%	174.7	0.0	0.0	6.1	1.7	(15.0)
2011	/ Corn	10corn (4047-10) (A)	2.18	PC	80	0%	0%	60%	0.0	0.0	48.0			
2011	/ Corn	10corn (4047-10) (A)	2.18	DAP	161	18%	46%	0%	29.0	74.1	0.0			
2011	/ Corn	10corn (4047-10) (A)	2.18	AA	206	82%	0%	0%	168.9	0.0	0.0	(2.4)	0.1	(0.2)
2011	CRP /	11crp (4047-11)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	11crp (4047-11)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	11crp (4047-11)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	11crp (4047-11) (A)	4.47			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	11crp (4047-11) (A)	4.47			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	11crp (4047-11) (A)	4.47			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	Pasture MM /	12graze (4047-12)	40.78			0%	0%	0%	0.0	0.0	0.0			
2011	Pasture MM /	12graze (4047-12)	40.78			0%	0%	0%	0.0	0.0	0.0			
2011	Pasture MM /	12graze (4047-12)	40.78			0%	0%	0%	0.0	0.0	0.0	(55.8)	1.1	28.1
2011	/ Corn	13corn (4047-13)	11.3			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	13corn (4047-13)	11.3			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	13corn (4047-13)	11.3	AA	213	82%	0%	0%	174.7	0.0	0.0	6.1	1.7	(15.0)
2011	CRP /	14crp (4047-14)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	14crp (4047-14)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	14crp (4047-14)	0			0%	0%	0%	0.0	0.0	0.0	(31.6)	(12.0)	(50.0)
2011	CRP /	14crp (4047-14) (A)	6.3			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	14crp (4047-14) (A)	6.3			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	14crp (4047-14) (A)	6.3			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	/ Corn	15corn (4047-15)	6.85			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	15corn (4047-15)	6.85			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	15corn (4047-15)	6.85	AA	213	82%	0%	0%	174.7	0.0	0.0	0.7	1.7	(15.0)
2011	/ Corn	15corn (4047-15) (A)	4.6	PC	80	0%	0%	60%	0.0	0.0	48.0			
2011	/ Corn	15corn (4047-15) (A)	4.6			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	15corn (4047-15) (A)	4.6	AA	208	82%	0%	0%	170.6	0.0	0.0	(29.8)	(74.0)	(0.2)
2011	/ Corn	16corn (4047-16)	14.59			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	16corn (4047-16)	14.59			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	16corn (4047-16)	14.59	AA	213	82%	0%	0%	174.7	0.0	0.0	0.7	1.7	(15.0)
2011	CRP /	17crp (4047-17)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	17crp (4047-17)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	17crp (4047-17)	0			0%	0%	0%	0.0	0.0	0.0	(31.6)	(12.0)	(50.0)
2011	CRP /	17crp (4047-17) (A)	5.03			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	17crp (4047-17) (A)	5.03			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	17crp (4047-17) (A)	5.03			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	Alfalfa /	18hay (4047-18)	35.41			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	18hay (4047-18)	35.41			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	18hay (4047-18)	35.41	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2011	Alfalfa /	19hay (4047-19)	20.45			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	19hay (4047-19)	20.45			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	19hay (4047-19)	20.45	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2011	/ Corn	20corn (4047-20)	6.94			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	20corn (4047-20)	6.94			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	20corn (4047-20)	6.94	AA	180	82%	0%	0%	147.6	0.0	0.0	(0.4)	0.3	6.3
2011	Alfalfa /	21hay (4047-21)	2.73			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	21hay (4047-21)	2.73			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	21hay (4047-21)	2.73	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2011	/ Corn	22corn (4047-22)	10.6			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	22corn (4047-22)	10.6			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	22corn (4047-22)	10.6	AA	180	82%	0%	0%	147.6	0.0	0.0	(0.4)	0.3	6.3
2011	CRP /	23crp (4047-23)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	23crp (4047-23)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	23crp (4047-23)	0			0%	0%	0%	0.0	0.0	0.0	(32.7)	(12.0)	(50.0)
2011	CRP /	23crp (4047-23) (A)	6.42			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	23crp (4047-23) (A)	6.42			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	23crp (4047-23) (A)	6.42			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	Pasture MM /	24graze (4047-24)	23.67			0%	0%	0%	0.0	0.0	0.0			
2011	Pasture MM /	24graze (4047-24)	23.67			0%	0%	0%	0.0	0.0	0.0			
2011	Pasture MM /	24graze (4047-24)	23.67			0%	0%	0%	0.0	0.0	0.0	(61.5)	(3.6)	4.7
2011	CRP /	25crp (4047-25)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	25crp (4047-25)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	25crp (4047-25)	0			0%	0%	0%	0.0	0.0	0.0	(35.5)	(12.0)	(50.0)
2011	CRP /	25crp (4047-25) (A)	1.99			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	25crp (4047-25) (A)	1.99			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	25crp (4047-25) (A)	1.99			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	26crp (4047-26)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	26crp (4047-26)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	26crp (4047-26)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	26crp (4047-26) (A)	8.94			0%	0%	0%	0.0	0.0	0.0			

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)
2011	CRP /	26crp (4047-26) (A)	8.94			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	26crp (4047-26) (A)	8.94			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	27crp (4047-27)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	27crp (4047-27)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	27crp (4047-27)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	27crp (4047-27) (A)	3.96			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	27crp (4047-27) (A)	3.96			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	27crp (4047-27) (A)	3.96			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	28hay (4047-28)	7.45			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	28hay (4047-28)	7.45			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	28hay (4047-28)	7.45	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2011	Alfalfa /	29hay (4047-29)	1.06			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	29hay (4047-29)	1.06			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	29hay (4047-29)	1.06	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2011	Alfalfa /	31hay (4047-31)	5.31			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	31hay (4047-31)	5.31			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	31hay (4047-31)	5.31	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2011	CRP /	37crp (4047-37)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	37crp (4047-37)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	37crp (4047-37)	0			0%	0%	0%	0.0	0.0	0.0	(33.8)	(12.0)	(50.0)
2011	CRP /	37crp (4047-37) (A)	2.85			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	37crp (4047-37) (A)	2.85			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	37crp (4047-37) (A)	2.85			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	Pasture MM /	54graze (4047-54)	6.92			0%	0%	0%	0.0	0.0	0.0			
2011	Pasture MM /	54graze (4047-54)	6.92			0%	0%	0%	0.0	0.0	0.0			
2011	Pasture MM /	54graze (4047-54)	6.92			0%	0%	0%	0.0	0.0	0.0	(61.5)	(3.6)	4.7
2011	Pasture MM /	56graze (4047-56)	1.93			0%	0%	0%	0.0	0.0	0.0			
2011	Pasture MM /	56graze (4047-56)	1.93			0%	0%	0%	0.0	0.0	0.0			
2011	Pasture MM /	56graze (4047-56)	1.93			0%	0%	0%	0.0	0.0	0.0	(57.0)	(3.6)	4.7
2011	CRP /	70crp (4047-70)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	70crp (4047-70)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	70crp (4047-70)	0			0%	0%	0%	0.0	0.0	0.0	(35.5)	(12.0)	(50.0)
2011	CRP /	70crp (4047-70) (A)	6.98			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	70crp (4047-70) (A)	6.98			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	70crp (4047-70) (A)	6.98			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	/ Corn	71corn (4047-71)	3.56			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	71corn (4047-71)	3.56			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	71corn (4047-71)	3.56	AA	189	82%	0%	0%	155.0	0.0	0.0	(0.3)	0.3	6.3
2011	/ Corn	72corn (4047-72)	1.47			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	72corn (4047-72)	1.47			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	72corn (4047-72)	1.47	AA	180	82%	0%	0%	147.6	0.0	0.0	(0.4)	0.3	6.3
2011	Alfalfa /	73hay (4047-73)	1.11			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	73hay (4047-73)	1.11			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	73hay (4047-73)	1.11	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2011	/ Corn	74corn (4047-74)	10.25			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	74corn (4047-74)	10.25			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	74corn (4047-74)	10.25	AA	180	82%	0%	0%	147.6	0.0	0.0	(0.4)	0.3	6.3
2011	/ Corn	74corn (4047-74) (A)	2.72	PC	80	0%	0%	60%	0.0	0.0	48.0			
2011	/ Corn	74corn (4047-74) (A)	2.72			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	74corn (4047-74) (A)	2.72	AA	208	82%	0%	0%	170.6	0.0	0.0	(28.6)	(74.0)	(0.2)
2011	/ Corn	75corn (4047-75)	44.68			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	75corn (4047-75)	44.68			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	75corn (4047-75)	44.68	AA	189	82%	0%	0%	155.0	0.0	0.0	(4.3)	(5.5)	2.0
2011	/ Corn	75corn (4047-75) (A)	3.37	PC	80	0%	0%	60%	0.0	0.0	48.0			
2011	/ Corn	75corn (4047-75) (A)	3.37			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	75corn (4047-75) (A)	3.37	AA	208	82%	0%	0%	170.6	0.0	0.0	(29.3)	(74.0)	(0.2)
2011	/ Corn	77corn (4047-77)	32.32			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	77corn (4047-77)	32.32			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	77corn (4047-77)	32.32	AA	213	82%	0%	0%	174.7	0.0	0.0	0.7	1.7	(15.0)
2011	/ Corn	80corn (4047-80A)	22.48			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	80corn (4047-80A)	22.48			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	80corn (4047-80A)	22.48	AA	203	82%	0%	0%	166.5	0.0	0.0	1.0	1.7	(15.0)
2011	Alfalfa /	80hay (4047-80B)	11.62			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	80hay (4047-80B)	11.62			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	80hay (4047-80B)	11.62	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2011	/ Corn	81corn (4047-81A)	22.2			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	81corn (4047-81A)	22.2			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	81corn (4047-81A)	22.2	AA	180	82%	0%	0%	147.6	0.0	0.0	(0.4)	0.3	6.3
2011	Alfalfa /	81hay (4047-81B)	17.83			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	81hay (4047-81B)	17.83			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	81hay (4047-81B)	17.83	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2011	/ Corn	82corn (4047-82A)	43.89			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	82corn (4047-82A)	43.89			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	82corn (4047-82A)	43.89	AA	182	82%	0%	0%	149.2	0.0	0.0	0.2	0.3	6.3
2011	Alfalfa /	82hay (4047-82B)	50.18			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	82hay (4047-82B)	50.18			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	82hay (4047-82B)	50.18	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2011	/ Corn	89corn (4047-89A)	15.79			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	89corn (4047-89A)	15.79			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	89corn (4047-89A)	15.79	AA	204	82%	0%	0%	167.3	0.0	0.0	0.6	1.7	(15.0)
2011	Alfalfa /	89hay (4047-89B)	4.9			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	89hay (4047-89B)	4.9			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	89hay (4047-89B)	4.9	PC	179	0%	0%	60%	0.0	0.0	107.4	0.0	3.6	49.5
2011	Alfalfa /	90hay (4047-90)	5.13			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	90hay (4047-90)	5.13			0%	0%	0%	0.0	0.0	0.0			
2011	Alfalfa /	90hay (4047-90)	5.13	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2011	CRP /	91ww (4047-91)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	91ww (4047-91)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	91ww (4047-91)	0			0%	0%	0%	0.0	0.0	0.0	(33.8)	(12.0)	(50.0)
2011	CRP /	91ww (4047-91) (A)	0.32			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	91ww (4047-91) (A)	0.32			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	91ww (4047-91) (A)	0.32			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)
2011	CRP /	92ww (4047-92) (A)	0.05			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	92ww (4047-92) (A)	0.05			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	92ww (4047-92) (A)	0.05			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	93ww (4047-93)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	93ww (4047-93)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	93ww (4047-93)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	93ww (4047-93) (A)	0.3			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	93ww (4047-93) (A)	0.3			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	93ww (4047-93) (A)	0.3			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	94ww (4047-94)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	94ww (4047-94)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	94ww (4047-94)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	94ww (4047-94) (A)	0.11			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	94ww (4047-94) (A)	0.11			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	94ww (4047-94) (A)	0.11			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	95ww (4047-95)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	95ww (4047-95)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	95ww (4047-95)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	95ww (4047-95) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	95ww (4047-95) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	95ww (4047-95) (A)	0.06			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	96ww (4047-96)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	96ww (4047-96)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	96ww (4047-96)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	96ww (4047-96) (A)	1.31			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	96ww (4047-96) (A)	1.31			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	96ww (4047-96) (A)	1.31			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	97ww (4047-97)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	97ww (4047-97)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	97ww (4047-97)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	97ww (4047-97) (A)	0.21			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	97ww (4047-97) (A)	0.21			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	97ww (4047-97) (A)	0.21			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	98ww (4047-98)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	98ww (4047-98)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	98ww (4047-98)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	98ww (4047-98) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	98ww (4047-98) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	98ww (4047-98) (A)	0.1			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	99ww (4047-99)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	99ww (4047-99)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	99ww (4047-99)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	99ww (4047-99) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	99ww (4047-99) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	99ww (4047-99) (A)	0.1			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	100ww (4047-100)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	100ww (4047-100)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	100ww (4047-100)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	100ww (4047-100) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	100ww (4047-100) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	100ww (4047-100) (A)	0.06			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	101ww (4047-101)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	101ww (4047-101)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	101ww (4047-101)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	101ww (4047-101) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	101ww (4047-101) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	101ww (4047-101) (A)	0.13			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	102ww (4047-102)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	102ww (4047-102)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	102ww (4047-102)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	102ww (4047-102) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	102ww (4047-102) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	102ww (4047-102) (A)	0.13			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	103ww (4047-103)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	103ww (4047-103)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	103ww (4047-103)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	103ww (4047-103) (A)	2.94			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	103ww (4047-103) (A)	2.94			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	103ww (4047-103) (A)	2.94			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	104ww (4047-104)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	104ww (4047-104)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	104ww (4047-104)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	104ww (4047-104) (A)	2.07			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	104ww (4047-104) (A)	2.07			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	104ww (4047-104) (A)	2.07			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	105ww (4047-105)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	105ww (4047-105)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	105ww (4047-105)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	105ww (4047-105) (A)	0.63			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	105ww (4047-105) (A)	0.63			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	105ww (4047-105) (A)	0.63			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	107ww (4047-107)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	107ww (4047-107)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	107ww (4047-107)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	CRP /	107ww (4047-107) (A)	4.92			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	107ww (4047-107) (A)	4.92			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	107ww (4047-107) (A)	4.92			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2011	/ Corn	108corn (4047-108)	55.68			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	108corn (4047-108)	55.68			0%	0%	0%	0.0	0.0	0.0			
2011	/ Corn	108corn (4047-108)	55.68			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	115crp (4047-115)	0	AA	213	82%	0%	0%	174.7	0.0	0.0	0.7	1.7	(15.0)
2011	CRP /	115crp (4047-115)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	115crp (4047-115)	0			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	115crp (4047-115)	0			0%	0%	0%	0.0	0.0	0.0	(31.6)	(12.0)	(50.0)
2011	CRP /	115crp (4047-115) (A)	2.12			0%	0%	0%	0.0	0.0	0.0			
2011	CRP /	115crp (4047-115) (A)	2.12			0%	0%	0%	0.0	0.0	0.0			

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE		N		CROP YEAR BALANCE			
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)		
2011	CRP /	115crp (4047-115) (A)	2.12	PC	202	0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2011	Alfalfa /	9hay (3605-9)	14.23			0%	0%	0%	0.0	0.0	0.0					
2011	Alfalfa /	9hay (3605-9)	14.23			0%	0%	0%	0.0	0.0	0.0					
2011	Alfalfa /	9hay (3605-9)	14.23			0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5		
2011	Alfalfa /	12hay (3605-12)	10.93	PC	266	0%	0%	0%	0.0	0.0	0.0					
2011	Alfalfa /	12hay (3605-12)	10.93			0%	0%	0%	0.0	0.0	0.0					
2011	Alfalfa /	12hay (3605-12)	10.93			0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8		
2011	Alfalfa /	8hay (3608-8)	6.98			0%	0%	0%	0.0	0.0	0.0					
2011	Alfalfa /	8hay (3608-8)	6.98	PC	202	0%	0%	0%	0.0	0.0	0.0					
2011	Alfalfa /	8hay (3608-8)	6.98			0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5		
2011	Alfalfa /	14hay (3608-14)	2.77			0%	0%	0%	0.0	0.0	0.0					
2011	Alfalfa /	14hay (3608-14)	2.77			0%	0%	0%	0.0	0.0	0.0					
2011	Alfalfa /	14hay (3608-14)	2.77	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5		
2012	/ Corn	1A (T4047-1A)	15.24			0%	0%	0%	0.0	0.0	0.0					
2012	/ Corn	1A (T4047-1A)	15.24			AA	205	0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	1A (T4047-1A)	15.24					82%	0%	0%	168.1	0.0	0.0	0.4	1.7	(15.0)
2012	/ Corn	1B (T4047-1B)	3	0%	0%			0%	0.0	0.0	0.0					
2012	/ Corn	1B (T4047-1B)	3	0%	0%			0%	0.0	0.0	0.0					
2012	/ Corn	1B (T4047-1B)	3	AA	205	82%	0%	0%	168.1	0.0	0.0	1.3	1.7	(15.0)		
2012	/ Alfalfa	1C (T4047-1C)	1.02			0%	0%	0%	0.0	0.0	0.0					
2012	/ Alfalfa	1C (T4047-1C)	1.02			0%	0%	0%	0.0	0.0	0.0					
2012	/ Alfalfa	1C (T4047-1C)	1.02			0%	0%	0%	0.0	0.0	0.0	(158.3)	(0.5)	(79.8)		
2012	CRP /	2crp (T4047-2)	0	AA	205	0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	2crp (T4047-2)	0			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	2crp (T4047-2)	0			0%	0%	0%	0.0	0.0	0.0	(31.3)	(12.0)	(50.0)		
2012	CRP /	2crp (T4047-2) (A)	8.15			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	2crp (T4047-2) (A)	8.15	AA	205	0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	2crp (T4047-2) (A)	8.15			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	2crp (T4047-2) (A)	8.15			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2012	CRP /	3crp (T4047-3)	0			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	3crp (T4047-3)	0	AA	205	0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	3crp (T4047-3)	0			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	3crp (T4047-3)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2012	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	3crp (T4047-3) (A)	5.58	AA	205	0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2012	CRP /	4crp (T4047-4)	0			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	4crp (T4047-4)	0	AA	205	0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	4crp (T4047-4)	0			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	4crp (T4047-4)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2012	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	4crp (T4047-4) (A)	6.21	AA	205	0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2012	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	5crp (T4047-5)	0	AA	205	0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	5crp (T4047-5)	0			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	5crp (T4047-5)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2012	CRP /	5crp (T4047-5) (A)	7.21			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	5crp (T4047-5) (A)	7.21	AA	205	0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	5crp (T4047-5) (A)	7.21			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	5crp (T4047-5) (A)	7.21			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2012	CRP /	7crp (T4074-7)	0			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	7crp (T4074-7)	0	AA	205	0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	7crp (T4074-7)	0			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	7crp (T4074-7)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2012	CRP /	7crp (T4074-7) (A)	3.84			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	7crp (T4074-7) (A)	3.84	AA	205	0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	7crp (T4074-7) (A)	3.84			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	7crp (T4074-7) (A)	3.84			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2012	Pasture MM /	8graze (T4047-8)	17.63			0%	0%	0%	0.0	0.0	0.0					
2012	Pasture MM /	8graze (T4047-8)	17.63	AA	205	0%	0%	0%	0.0	0.0	0.0					
2012	Pasture MM /	8graze (T4047-8)	17.63			0%	0%	0%	0.0	0.0	0.0					
2012	Pasture MM /	9graze (T4047-9)	19.51			0%	0%	0%	0.0	0.0	0.0	(55.8)	1.1	28.1		
2012	Pasture MM /	9graze (T4047-9)	19.51			0%	0%	0%	0.0	0.0	0.0					
2012	Pasture MM /	9graze (T4047-9)	19.51	AA	205	0%	0%	0%	0.0	0.0	0.0					
2012	Pasture MM /	9graze (T4047-9)	19.51			0%	0%	0%	0.0	0.0	0.0	(49.5)	1.1	28.1		
2012	/ Corn	10corn (4047-10)	59.14			0%	0%	0%	0.0	0.0	0.0					
2012	/ Corn	10corn (4047-10)	59.14			0%	0%	0%	0.0	0.0	0.0					
2012	/ Corn	10corn (4047-10)	59.14	AA	189	82%	0%	0%	155.0	0.0	0.0	(12.6)	1.7	(15.0)		
2012	/ Corn	10corn (4047-10) (A)	2.18			0%	0%	60%	0.0	0.0	48.0					
2012	/ Corn	10corn (4047-10) (A)	2.18			161	18%	46%	0%	29.0	74.1	0.0				
2012	/ Corn	10corn (4047-10) (A)	2.18			206	82%	0%	0%	168.9	0.0	0.0	(1.4)	0.1	(0.2)	
2012	CRP /	11crp (4047-11)	0	AA	206	0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	11crp (4047-11)	0			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	11crp (4047-11)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2012	CRP /	11crp (4047-11) (A)	4.47			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	11crp (4047-11) (A)	4.47	AA	206	0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	11crp (4047-11) (A)	4.47			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	11crp (4047-11) (A)	4.47			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2012	Pasture MM /	12graze (4047-12)	40.78			0%	0%	0%	0.0	0.0	0.0					
2012	Pasture MM /	12graze (4047-12)	40.78	AA	206	0%	0%	0%	0.0	0.0	0.0					
2012	Pasture MM /	12graze (4047-12)	40.78			0%	0%	0%	0.0	0.0	0.0					
2012	Pasture MM /	12graze (4047-12)	40.78			0%	0%	0%	0.0	0.0	0.0	(55.8)	1.1	28.1		
2012	/ Corn	13corn (4047-13)	11.3			0%	0%	0%	0.0	0.0	0.0					
2012	/ Corn	13corn (4047-13)	11.3	AA	189	0%	0%	0%	0.0	0.0	0.0					
2012	/ Corn	13corn (4047-13)	11.3			0%	0%	0%	0.0	0.0	0.0					
2012	/ Corn	13corn (4047-13)	11.3			82%	0%	0%	155.0	0.0	0.0	6.0	0.3	6.3		
2012	CRP /	14crp (4047-14)	0			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	14crp (4047-14)	0	AA	189	0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	14crp (4047-14)	0			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	14crp (4047-14)	0			0%	0%	0%	0.0	0.0	0.0	(31.7)	(12.0)	(50.0)		
2012	CRP /	14crp (4047-14) (A)	6.3			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	14crp (4047-14) (A)	6.3	AA	189	0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	14crp (4047-14) (A)	6.3			0%	0%	0%	0.0	0.0	0.0					
2012	CRP /	14crp (4047-14) (A)	6.3			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)		
2012	/ Corn	15corn (4047-15)	6.85			0%	0%	0%	0.0	0.0	0.0					
2012	/ Corn	15corn (4047-15)	6.85	AA	213	0%	0%	0%	0.0	0.0	0.0					
2012	/ Corn	15corn (4047-15)	6.85			82%	0%	0%	174.7	0.0	0.0	0.7	1.7	(15.0)		
2012	/ Corn	15corn (4047-15) (A)	4.6			0%	0%	60%	0.0	0.0	48.0					
2012	/ Corn	15corn (4047-15) (A)	4.6			0%	0%	0%	0.0	0.0	0.0					
2012	/ Corn	15corn (4047-15) (A)	4.6	AA	208	8										

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)
2012	CRP /	17crp (4047-17) (A)	5.03	AA	204	0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	17crp (4047-17) (A)	5.03			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	Alfalfa /	18hay (4047-18)	35.41			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	18hay (4047-18)	35.41			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	18hay (4047-18)	35.41			0%	0%	0%	0.0	0.0	0.0	0.0	(0.3)	(60.7)
2012	Alfalfa /	19hay (4047-19)	20.45			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	19hay (4047-19)	20.45			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	19hay (4047-19)	20.45			0%	0%	0%	0.0	0.0	0.0	0.0	(0.3)	(60.7)
2012	/ Corn	20corn (4047-20)	6.94			0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	20corn (4047-20)	6.94			0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	20corn (4047-20)	6.94			82%	0%	0%	167.3	0.0	0.0	0.4	1.7	(15.0)
2012	Alfalfa /	21hay (4047-21)	2.73	AA	204	0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	21hay (4047-21)	2.73			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	21hay (4047-21)	2.73			0%	0%	0%	0.0	0.0	0.0	0.0	(0.3)	(60.7)
2012	/ Corn	22corn (4047-22)	10.6			0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	22corn (4047-22)	10.6			0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	22corn (4047-22)	10.6			82%	0%	0%	167.3	0.0	0.0	0.4	1.7	(15.0)
2012	CRP /	23crp (4047-23)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	23crp (4047-23)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	23crp (4047-23)	0			0%	0%	0%	0.0	0.0	0.0	(30.0)	(12.0)	(50.0)
2012	CRP /	23crp (4047-23) (A)	6.42			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	23crp (4047-23) (A)	6.42			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	23crp (4047-23) (A)	6.42			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	Pasture MM /	24graze (4047-24)	23.67	AA	204	0%	0%	0%	0.0	0.0	0.0			
2012	Pasture MM /	24graze (4047-24)	23.67			0%	0%	0%	0.0	0.0	0.0			
2012	Pasture MM /	24graze (4047-24)	23.67			0%	0%	0%	0.0	0.0	0.0	(61.5)	(3.6)	4.7
2012	CRP /	25crp (4047-25)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	25crp (4047-25)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	25crp (4047-25)	0			0%	0%	0%	0.0	0.0	0.0	(34.8)	(12.0)	(50.0)
2012	CRP /	25crp (4047-25) (A)	1.99			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	25crp (4047-25) (A)	1.99			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	25crp (4047-25) (A)	1.99			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	CRP /	26crp (4047-26)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	26crp (4047-26)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	26crp (4047-26)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	CRP /	26crp (4047-26) (A)	8.94	AA	204	0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	26crp (4047-26) (A)	8.94			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	26crp (4047-26) (A)	8.94			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	CRP /	27crp (4047-27)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	27crp (4047-27)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	27crp (4047-27)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	CRP /	27crp (4047-27) (A)	3.96			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	27crp (4047-27) (A)	3.96			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	27crp (4047-27) (A)	3.96			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	Alfalfa /	28hay (4047-28)	7.45			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	28hay (4047-28)	7.45	AA	213	0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	28hay (4047-28)	7.45			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	28hay (4047-28)	7.45			0%	0%	0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)
2012	Alfalfa /	29hay (4047-29)	1.06			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	29hay (4047-29)	1.06			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	29hay (4047-29)	1.06			0%	0%	0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)
2012	Alfalfa /	31hay (4047-31)	5.31			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	31hay (4047-31)	5.31			0%	0%	0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)
2012	CRP /	37crp (4047-37)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	37crp (4047-37)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	37crp (4047-37)	0	AA	200	0%	0%	0%	0.0	0.0	0.0	(31.3)	(12.0)	(50.0)
2012	CRP /	37crp (4047-37) (A)	2.85			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	37crp (4047-37) (A)	2.85			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	37crp (4047-37) (A)	2.85			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	Pasture MM /	54graze (4047-54)	6.92			0%	0%	0%	0.0	0.0	0.0			
2012	Pasture MM /	54graze (4047-54)	6.92			0%	0%	0%	0.0	0.0	0.0			
2012	Pasture MM /	54graze (4047-54)	6.92			0%	0%	0%	0.0	0.0	0.0	(61.5)	(3.6)	4.7
2012	Pasture MM /	56graze (4047-56)	1.93			0%	0%	0%	0.0	0.0	0.0			
2012	Pasture MM /	56graze (4047-56)	1.93			0%	0%	0%	0.0	0.0	0.0			
2012	Pasture MM /	56graze (4047-56)	1.93			0%	0%	0%	0.0	0.0	0.0	(56.3)	(3.6)	4.7
2012	CRP /	70crp (4047-70)	0	AA	204	0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	70crp (4047-70)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	70crp (4047-70)	0			0%	0%	0%	0.0	0.0	0.0	(34.8)	(12.0)	(50.0)
2012	CRP /	70crp (4047-70) (A)	6.98			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	70crp (4047-70) (A)	6.98			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	70crp (4047-70) (A)	6.98			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	/ Corn	71corn (4047-71)	3.56			0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	71corn (4047-71)	3.56			0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	71corn (4047-71)	3.56			82%	0%	0%	174.7	0.0	0.0	0.7	1.7	(15.0)
2012	/ Corn	72corn (4047-72)	1.47			0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	72corn (4047-72)	1.47	AA	200	0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	72corn (4047-72)	1.47			82%	0%	0%	164.0	0.0	0.0	0.1	1.7	(15.0)
2012	Alfalfa /	73hay (4047-73)	1.11			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	73hay (4047-73)	1.11			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	73hay (4047-73)	1.11			0%	0%	0%	0.0	0.0	0.0	0.0	(0.3)	(60.7)
2012	/ Corn	74corn (4047-74)	10.25			0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	74corn (4047-74)	10.25			0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	74corn (4047-74)	10.25			82%	0%	0%	167.3	0.0	0.0	0.4	1.7	(15.0)
2012	/ Corn	74corn (4047-74) (A)	2.72			0%	0%	60%	0.0	0.0	48.0			
2012	/ Corn	74corn (4047-74) (A)	2.72			0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	74corn (4047-74) (A)	2.72	AA	204	82%	0%	0%	167.3	0.0	0.0	(29.1)	(74.0)	(0.2)
2012	/ Corn	75corn (4047-75)	44.68			0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	75corn (4047-75)	44.68			0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	75corn (4047-75)	44.68			82%	0%	0%	174.7	0.0	0.0	(3.3)	(7.7)	(19.1)
2012	/ Corn	75corn (4047-75) (A)	3.37			0%	0%	60%	0.0	0.0	48.0			
2012	/ Corn	75corn (4047-75) (A)	3.37			0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	75corn (4047-75) (A)	3.37			82%	0%	0%	167.3	0.0	0.0	(30.0)	(74.0)	(0.2)
2012	/ Corn	77corn (4047-77)	32.32			0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	77corn (4047-77)	32.32			0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	77corn (4047-77)	32.32			82%	0%	0%	155.0	0.0	0.0	(0.3)	0.3	6.3

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE		N		CROP YEAR BALANCE		
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	
2012	/ Corn	80corn (4047-80A)	22.48	AA	179	0%	0%	0%	0.0	0.0	0.0				
2012	/ Corn	80corn (4047-80A)	22.48			0%	0%	0%	0.0	0.0	0.0				
2012	/ Corn	80corn (4047-80A)	22.48			82%	0%	0%	146.8	0.0	0.0	(0.2)	0.3	6.3	
2012	Alfalfa /	80hay (4047-80B)	11.62			0%	0%	0%	0.0	0.0	0.0				
2012	Alfalfa /	80hay (4047-80B)	11.62	AA	180	0%	0%	0%	0.0	0.0	0.0				
2012	Alfalfa /	80hay (4047-80B)	11.62			0%	0%	0%	0.0	0.0	0.0	0.0	(0.3)	(60.7)	
2012	/ Corn	81corn (4047-81A)	22.2			0%	0%	0%	0.0	0.0	0.0				
2012	/ Corn	81corn (4047-81A)	22.2			0%	0%	0%	0.0	0.0	0.0				
2012	/ Corn	81corn (4047-81A)	22.2	AA	180	82%	0%	0%	147.6	0.0	0.0	(0.6)	0.3	6.3	
2012	Alfalfa /	81hay (4047-81B)	17.83			0%	0%	0%	0.0	0.0	0.0				
2012	Alfalfa /	81hay (4047-81B)	17.83			0%	0%	0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)	
2012	Alfalfa /	81hay (4047-81B)	17.83			0%	0%	0%	0.0	0.0	0.0				
2012	/ Corn	82corn (4047-82A)	43.89	AA	203	0%	0%	0%	0.0	0.0	0.0				
2012	/ Corn	82corn (4047-82A)	43.89			0%	0%	0%	0.0	0.0	0.0				
2012	/ Corn	82corn (4047-82A)	43.89			82%	0%	0%	166.5	0.0	0.0	1.2	1.7	(15.0)	
2012	Alfalfa /	82hay (4047-82B)	50.18			0%	0%	0%	0.0	0.0	0.0				
2012	Alfalfa /	82hay (4047-82B)	50.18	AA	180	0%	0%	0%	0.0	0.0	0.0				
2012	Alfalfa /	82hay (4047-82B)	50.18			0%	0%	0%	0.0	0.0	0.0	0.0	(0.3)	(60.7)	
2012	/ Corn	89corn (4047-89A)	15.79			0%	0%	0%	0.0	0.0	0.0				
2012	/ Corn	89corn (4047-89A)	15.79			0%	0%	0%	0.0	0.0	0.0				
2012	/ Corn	89corn (4047-89A)	15.79	AA	180	82%	0%	0%	147.6	0.0	0.0	(0.6)	0.3	6.3	
2012	Alfalfa /	89hay (4047-89B)	4.9			0%	0%	0%	0.0	0.0	0.0				
2012	Alfalfa /	89hay (4047-89B)	4.9			0%	0%	0%	0.0	0.0	0.0				
2012	Alfalfa /	89hay (4047-89B)	4.9			0%	0%	0%	0.0	0.0	0.0	0.0	1.4	(79.0)	
2012	Alfalfa /	90hay (4047-90)	5.13	AA	180	0%	0%	0%	0.0	0.0	0.0				
2012	Alfalfa /	90hay (4047-90)	5.13			0%	0%	0%	0.0	0.0	0.0				
2012	Alfalfa /	90hay (4047-90)	5.13			0%	0%	0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)	
2012	CRP /	91ww (4047-91)	0			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	91ww (4047-91)	0	AA	180	0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	91ww (4047-91)	0			0%	0%	0%	0.0	0.0	0.0	(31.3)	(12.0)	(50.0)	
2012	CRP /	91ww (4047-91) (A)	0.32			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	91ww (4047-91) (A)	0.32			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	91ww (4047-91) (A)	0.32	AA	180	0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	92ww (4047-92) (A)	0.05	AA	180	0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	92ww (4047-92) (A)	0.05			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	92ww (4047-92) (A)	0.05			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	93ww (4047-93)	0			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	93ww (4047-93)	0	AA	180	0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	93ww (4047-93)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	93ww (4047-93) (A)	0.3			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	93ww (4047-93) (A)	0.3			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	93ww (4047-93) (A)	0.3	AA	180	0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	94ww (4047-94)	0			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	94ww (4047-94)	0			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	94ww (4047-94)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	94ww (4047-94) (A)	0.11	AA	180	0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	94ww (4047-94) (A)	0.11			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	94ww (4047-94) (A)	0.11			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	94ww (4047-94) (A)	0.11			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	95ww (4047-95)	0	AA	180	0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	95ww (4047-95)	0			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	95ww (4047-95)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	95ww (4047-95) (A)	0.06			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	95ww (4047-95) (A)	0.06	AA	180	0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	95ww (4047-95) (A)	0.06			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	95ww (4047-95) (A)	0.06			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	96ww (4047-96)	0			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	96ww (4047-96)	0	AA	180	0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	96ww (4047-96)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	96ww (4047-96) (A)	1.31			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	96ww (4047-96) (A)	1.31			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	96ww (4047-96) (A)	1.31	AA	180	0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	97ww (4047-97)	0			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	97ww (4047-97)	0			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	97ww (4047-97)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	97ww (4047-97) (A)	0.21	AA	180	0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	97ww (4047-97) (A)	0.21			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	97ww (4047-97) (A)	0.21			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	97ww (4047-97) (A)	0.21			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	98ww (4047-98)	0	AA	180	0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	98ww (4047-98)	0			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	98ww (4047-98)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	98ww (4047-98) (A)	0.1			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	98ww (4047-98) (A)	0.1	AA	180	0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	98ww (4047-98) (A)	0.1			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	99ww (4047-99)	0			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	99ww (4047-99)	0			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	99ww (4047-99)	0	AA	180	0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	99ww (4047-99)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	99ww (4047-99) (A)	0.1			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	99ww (4047-99) (A)	0.1			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	100ww (4047-100)	0	AA	180	0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	100ww (4047-100)	0			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	100ww (4047-100)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	100ww (4047-100) (A)	0.06			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	100ww (4047-100) (A)	0.06	AA	180	0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	100ww (4047-100) (A)	0.06			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	101ww (4047-101)	0			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	101ww (4047-101)	0			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	101ww (4047-101)	0	AA	180	0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	101ww (4047-101) (A)	0.13			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	101ww (4047-101) (A)	0.13			0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	101ww (4047-101) (A)	0.13			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)	
2012	CRP /	102ww (4047-102)	0	AA	180	0%	0%	0%	0.0	0.0	0.0				
2012	CRP /	102ww (4047-102)	0			0%	0%	0%	0.0	0.0	0.0				

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)
2012	CRP /	102ww (4047-102)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	102ww (4047-102) (A)	0.13			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	CRP /	102ww (4047-102) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	102ww (4047-102) (A)	0.13			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	CRP /	103ww (4047-103)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	103ww (4047-103)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	103ww (4047-103)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	CRP /	103ww (4047-103) (A)	2.94			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	103ww (4047-103) (A)	2.94			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	CRP /	103ww (4047-103) (A)	2.94			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	104ww (4047-104)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	104ww (4047-104)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	CRP /	104ww (4047-104)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	104ww (4047-104) (A)	2.07			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	104ww (4047-104) (A)	2.07			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	CRP /	104ww (4047-104) (A)	2.07			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	105ww (4047-105)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	105ww (4047-105)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	CRP /	105ww (4047-105)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	105ww (4047-105) (A)	0.63			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	105ww (4047-105) (A)	0.63			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	CRP /	105ww (4047-105) (A)	0.63			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	107ww (4047-107)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	107ww (4047-107)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	CRP /	107ww (4047-107)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	107ww (4047-107) (A)	4.92			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	107ww (4047-107) (A)	4.92			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	CRP /	107ww (4047-107) (A)	4.92			0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	108corn (4047-108)	55.68			0%	0%	0%	0.0	0.0	0.0			
2012	/ Corn	108corn (4047-108)	55.68	AA	189	82%	0%	0%	155.0	0.0	0.0	(0.3)	0.3	6.3
2012	CRP /	115crp (4047-115)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	115crp (4047-115)	0			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	115crp (4047-115)	0			0%	0%	0%	0.0	0.0	0.0	(31.7)	(12.0)	(50.0)
2012	CRP /	115crp (4047-115) (A)	2.12			0%	0%	0%	0.0	0.0	0.0			
2012	CRP /	115crp (4047-115) (A)	2.12			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2012	CRP /	115crp (4047-115) (A)	2.12			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	9hay (3605-9)	14.23			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	9hay (3605-9)	14.23			0%	0%	0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)
2012	Alfalfa /	9hay (3605-9)	14.23			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	12hay (3605-12)	10.93			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	12hay (3605-12)	10.93			0%	0%	0%	0.0	0.0	0.0	0.0	(0.3)	(60.7)
2012	Alfalfa /	12hay (3605-12)	10.93			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	8hay (3608-8)	6.98			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	8hay (3608-8)	6.98			0%	0%	0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)
2012	Alfalfa /	8hay (3608-8)	6.98			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	14hay (3608-14)	2.77			0%	0%	0%	0.0	0.0	0.0			
2012	Alfalfa /	14hay (3608-14)	2.77			0%	0%	0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)
2012	Alfalfa /	14hay (3608-14)	2.77			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	1A (T4047-1A)	15.24			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	1A (T4047-1A)	15.24			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	1A (T4047-1A)	15.24	AA	213	82%	0%	0%	174.7	0.0	0.0	9.4	1.7	(15.0)
2013	/ Corn	1B (T4047-1B)	3			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	1B (T4047-1B)	3			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	1B (T4047-1B)	3	AA	205	82%	0%	0%	168.1	0.0	0.0	1.3	1.7	(15.0)
2013	/ Alfalfa	1C (T4047-1C)	1.02			0%	0%	0%	0.0	0.0	0.0			
2013	/ Alfalfa	1C (T4047-1C)	1.02			0%	0%	0%	0.0	0.0	0.0			
2013	/ Alfalfa	1C (T4047-1C)	1.02	PC	202	0%	0%	60%	0.0	0.0	121.2	(141.5)	(0.3)	60.5
2013	CRP /	2crp (T4047-2)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	2crp (T4047-2)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	2crp (T4047-2)	0			0%	0%	0%	0.0	0.0	0.0	(32.9)	(12.0)	(50.0)
2013	CRP /	2crp (T4047-2) (A)	8.15			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	2crp (T4047-2) (A)	8.15			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	2crp (T4047-2) (A)	8.15			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	3crp (T4047-3)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	3crp (T4047-3)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	3crp (T4047-3)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	4crp (T4047-4)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	4crp (T4047-4)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	4crp (T4047-4)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	5crp (T4047-5)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	5crp (T4047-5)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	5crp (T4047-5)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	5crp (T4047-5) (A)	7.21			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	5crp (T4047-5) (A)	7.21			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	5crp (T4047-5) (A)	7.21			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	7crp (T4074-7)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	7crp (T4074-7)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	7crp (T4074-7)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	7crp (T4074-7) (A)	3.84			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	7crp (T4074-7) (A)	3.84			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	7crp (T4074-7) (A)	3.84			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	Pasture MM /	8graze (T4047-8)	17.63			0%	0%	0%	0.0	0.0	0.0			
2013	Pasture MM /	8graze (T4047-8)	17.63			0%	0%	0%	0.0	0.0	0.0			
2013	Pasture MM /	8graze (T4047-8)	17.63			0%	0%	0%	0.0	0.0	0.0	(55.8)	1.1	28.1
2013	Pasture MM /	9graze (T4047-9)	19.51			0%	0%	0%	0.0	0.0	0.0			
2013	Pasture MM /	9graze (T4047-9)	19.51			0%	0%	0%	0.0	0.0	0.0			
2013	Pasture MM /	9graze (T4047-9)	19.51			0%	0%	0%	0.0	0.0	0.0	(49.5)	1.1	28.1
2013	/ Corn	10corn (4047-10)	59.14			0%	0%	0%	0.0	0.0	0.0			

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)
2013	/ Corn	10corn (4047-10)	59.14			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	10corn (4047-10)	59.14	AA	213	82%	0%	0%	174.7	0.0	0.0	7.0	1.7	(15.0)
2013	/ Corn	10corn (4047-10) (A)	2.18	PC	80	0%	0%	60%	0.0	0.0	48.0			
2013	/ Corn	10corn (4047-10) (A)	2.18	DAP	161	18%	46%	0%	29.0	74.1	0.0			
2013	/ Corn	10corn (4047-10) (A)	2.18	AA	204	82%	0%	0%	167.3	0.0	0.0	(3.0)	0.1	(0.2)
2013	CRP /	11crp (4047-11)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	11crp (4047-11)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	11crp (4047-11) (A)	4.47			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	11crp (4047-11) (A)	4.47			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	11crp (4047-11) (A)	4.47			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	Pasture MM /	12graze (4047-12)	40.78			0%	0%	0%	0.0	0.0	0.0			
2013	Pasture MM /	12graze (4047-12)	40.78			0%	0%	0%	0.0	0.0	0.0			
2013	Pasture MM /	12graze (4047-12)	40.78			0%	0%	0%	0.0	0.0	0.0	(55.8)	1.1	28.1
2013	/ Corn	13corn (4047-13)	11.3			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	13corn (4047-13)	11.3			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	13corn (4047-13)	11.3	AA	213	82%	0%	0%	174.7	0.0	0.0	7.0	1.7	(15.0)
2013	CRP /	14crp (4047-14)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	14crp (4047-14)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	14crp (4047-14) (A)	6.3			0%	0%	0%	0.0	0.0	0.0	(30.0)	(12.0)	(50.0)
2013	CRP /	14crp (4047-14) (A)	6.3			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	14crp (4047-14) (A)	6.3			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	/ Corn	15corn (4047-15)	6.85			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	15corn (4047-15)	6.85			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	15corn (4047-15)	6.85	AA	213	82%	0%	0%	174.7	0.0	0.0	0.7	1.7	(15.0)
2013	/ Corn	15corn (4047-15) (A)	4.6	PC	80	0%	0%	60%	0.0	0.0	48.0			
2013	/ Corn	15corn (4047-15) (A)	4.6			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	15corn (4047-15) (A)	4.6	AA	208	82%	0%	0%	170.6	0.0	0.0	(28.7)	(74.0)	(0.2)
2013	/ Corn	16corn (4047-16)	14.59			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	16corn (4047-16)	14.59			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	16corn (4047-16)	14.59	AA	213	82%	0%	0%	174.7	0.0	0.0	0.7	1.7	(15.0)
2013	CRP /	17crp (4047-17)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	17crp (4047-17)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	17crp (4047-17)	0			0%	0%	0%	0.0	0.0	0.0	(30.0)	(12.0)	(50.0)
2013	CRP /	17crp (4047-17) (A)	5.03			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	17crp (4047-17) (A)	5.03			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	17crp (4047-17) (A)	5.03			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	Alfalfa /	18hay (4047-18)	35.41			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	18hay (4047-18)	35.41			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	18hay (4047-18)	35.41	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2013	Alfalfa /	19hay (4047-19)	20.45			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	19hay (4047-19)	20.45			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	19hay (4047-19)	20.45	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2013	/ Corn	20corn (4047-20)	6.94			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	20corn (4047-20)	6.94			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	20corn (4047-20)	6.94	AA	179	82%	0%	0%	146.8	0.0	0.0	0.2	0.3	6.3
2013	Alfalfa /	21hay (4047-21)	2.73			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	21hay (4047-21)	2.73			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	21hay (4047-21)	2.73	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2013	/ Corn	22corn (4047-22)	10.6			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	22corn (4047-22)	10.6			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	22corn (4047-22)	10.6	AA	179	82%	0%	0%	146.8	0.0	0.0	0.2	0.3	6.3
2013	CRP /	23crp (4047-23)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	23crp (4047-23)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	23crp (4047-23)	0			0%	0%	0%	0.0	0.0	0.0	(31.7)	(12.0)	(50.0)
2013	CRP /	23crp (4047-23) (A)	6.42			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	23crp (4047-23) (A)	6.42			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	23crp (4047-23) (A)	6.42			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	Pasture MM /	24graze (4047-24)	23.67			0%	0%	0%	0.0	0.0	0.0			
2013	Pasture MM /	24graze (4047-24)	23.67			0%	0%	0%	0.0	0.0	0.0			
2013	Pasture MM /	24graze (4047-24)	23.67			0%	0%	0%	0.0	0.0	0.0	(61.5)	(3.6)	4.7
2013	CRP /	25crp (4047-25)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	25crp (4047-25)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	25crp (4047-25)	0			0%	0%	0%	0.0	0.0	0.0	(34.8)	(12.0)	(50.0)
2013	CRP /	25crp (4047-25) (A)	1.99			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	25crp (4047-25) (A)	1.99			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	25crp (4047-25) (A)	1.99			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	26crp (4047-26)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	26crp (4047-26)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	26crp (4047-26)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	26crp (4047-26) (A)	8.94			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	26crp (4047-26) (A)	8.94			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	26crp (4047-26) (A)	8.94			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	27crp (4047-27)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	27crp (4047-27)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	27crp (4047-27)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	27crp (4047-27) (A)	3.96			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	27crp (4047-27) (A)	3.96			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	27crp (4047-27) (A)	3.96			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	Alfalfa /	28hay (4047-28)	7.45			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	28hay (4047-28)	7.45			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	28hay (4047-28)	7.45	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2013	Alfalfa /	29hay (4047-29)	1.06			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	29hay (4047-29)	1.06			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	29hay (4047-29)	1.06	PC	203	0%	0%	60%	0.0	0.0	121.8	0.0	(0.3)	61.1
2013	Alfalfa /	31hay (4047-31)	5.31			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	31hay (4047-31)	5.31			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	31hay (4047-31)	5.31	PC	203	0%	0%	60%	0.0	0.0	121.8	0.0	(0.3)	61.1
2013	CRP /	37crp (4047-37)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	37crp (4047-37)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	37crp (4047-37)	0			0%	0%	0%	0.0	0.0	0.0	(32.9)	(12.0)	(50.0)
2013	CRP /	37crp (4047-37) (A)	2.85			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	37crp (4047-37) (A)	2.85			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	37crp (4047-37) (A)	2.85			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)
2013	Pasture MM /	54graze (4047-54)	6.92	PC	375	0%	0%	0%	0.0	0.0	0.0			
2013	Pasture MM /	54graze (4047-54)	6.92			0%	0%	0%	0.0	0.0	0.0			
2013	Pasture MM /	54graze (4047-54)	6.92			0%	0%	60%	0.0	0.0	225.0	(61.5)	(3.6)	229.7
2013	Pasture MM /	56graze (4047-56)	1.93			0%	0%	0%	0.0	0.0	0.0			
2013	Pasture MM /	56graze (4047-56)	1.93	PC	375	0%	0%	0%	0.0	0.0	0.0			
2013	Pasture MM /	56graze (4047-56)	1.93			0%	0%	60%	0.0	0.0	225.0	(56.3)	(3.6)	229.7
2013	CRP /	70crp (4047-70)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	70crp (4047-70)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	70crp (4047-70)	0	AA	189	0%	0%	0%	0.0	0.0	0.0	(34.8)	(12.0)	(50.0)
2013	CRP /	70crp (4047-70) (A)	6.98			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	70crp (4047-70) (A)	6.98			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	70crp (4047-70) (A)	6.98			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	/ Corn	71corn (4047-71)	3.56	AA	180	0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	71corn (4047-71)	3.56			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	71corn (4047-71)	3.56			82%	0%	0%	155.0	0.0	0.0	(0.3)	0.3	6.3
2013	/ Corn	72corn (4047-72)	1.47			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	72corn (4047-72)	1.47	AA	180	0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	72corn (4047-72)	1.47			82%	0%	0%	147.6	0.0	0.0	0.6	0.3	6.3
2013	Alfalfa /	73hay (4047-73)	1.11			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	73hay (4047-73)	1.11			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	73hay (4047-73)	1.11	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2013	/ Corn	74corn (4047-74)	10.25			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	74corn (4047-74)	10.25			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	74corn (4047-74)	10.25			82%	0%	0%	146.8	0.0	0.0	0.2	0.3	6.3
2013	/ Corn	74corn (4047-74) (A)	2.72	AA	80	0%	0%	60%	0.0	0.0	48.0			
2013	/ Corn	74corn (4047-74) (A)	2.72			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	74corn (4047-74) (A)	2.72			82%	0%	0%	168.9	0.0	0.0	(29.2)	(74.0)	(0.2)
2013	/ Corn	75corn (4047-75)	44.68			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	75corn (4047-75)	44.68	AA	189	0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	75corn (4047-75)	44.68			82%	0%	0%	155.0	0.0	0.0	(4.3)	(5.5)	2.0
2013	/ Corn	75corn (4047-75) (A)	3.37			0%	0%	60%	0.0	0.0	48.0			
2013	/ Corn	75corn (4047-75) (A)	3.37			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	75corn (4047-75) (A)	3.37	AA	206	82%	0%	0%	168.9	0.0	0.0	(30.1)	(74.0)	(0.2)
2013	/ Corn	77corn (4047-77)	32.32			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	77corn (4047-77)	32.32			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	77corn (4047-77)	32.32			82%	0%	0%	174.7	0.0	0.0	0.7	1.7	(15.0)
2013	/ Corn	80corn (4047-80A)	22.48	AA	213	0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	80corn (4047-80A)	22.48			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	80corn (4047-80A)	22.48			82%	0%	0%	164.8	0.0	0.0	0.9	1.7	(15.0)
2013	Alfalfa /	80hay (4047-80B)	11.62			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	80hay (4047-80B)	11.62	PC	266	0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	80hay (4047-80B)	11.62			0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2013	/ Corn	81corn (4047-81A)	22.2			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	81corn (4047-81A)	22.2			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	81corn (4047-81A)	22.2	AA	179	82%	0%	0%	146.8	0.0	0.0	0.2	0.3	6.3
2013	Alfalfa /	81hay (4047-81B)	17.83			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	81hay (4047-81B)	17.83			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	81hay (4047-81B)	17.83			0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2013	/ Corn	82corn (4047-82A)	43.89	AA	181	0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	82corn (4047-82A)	43.89			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	82corn (4047-82A)	43.89			82%	0%	0%	148.4	0.0	0.0	0.2	0.3	6.3
2013	Alfalfa /	82hay (4047-82B)	50.18			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	82hay (4047-82B)	50.18	PC	266	0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	82hay (4047-82B)	50.18			0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2013	/ Corn	89corn (4047-89A)	15.79			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	89corn (4047-89A)	15.79			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	89corn (4047-89A)	15.79	AA	203	82%	0%	0%	166.5	0.0	0.0	1.2	1.7	(15.0)
2013	Alfalfa /	89hay (4047-89B)	4.9			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	89hay (4047-89B)	4.9			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	89hay (4047-89B)	4.9			0%	0%	60%	0.0	0.0	53.4	0.0	3.6	(4.5)
2013	Alfalfa /	90hay (4047-90)	5.13	PC	203	0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	90hay (4047-90)	5.13			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	90hay (4047-90)	5.13			0%	0%	60%	0.0	0.0	121.8	0.0	(0.3)	61.1
2013	CRP /	91ww (4047-91)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	91ww (4047-91)	0	AA	89	0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	91ww (4047-91)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	91ww (4047-91)	0			0%	0%	0%	0.0	0.0	0.0	(32.9)	(12.0)	(50.0)
2013	CRP /	91ww (4047-91) (A)	0.32			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	91ww (4047-91) (A)	0.32	AA	89	0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	91ww (4047-91) (A)	0.32			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	91ww (4047-91) (A)	0.32			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	92ww (4047-92)	0	AA	89	0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	92ww (4047-92) (A)	0.05			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	92ww (4047-92) (A)	0.05	AA	89	0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	92ww (4047-92) (A)	0.05			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	93ww (4047-93)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	93ww (4047-93)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	93ww (4047-93)	0	AA	89	0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	93ww (4047-93)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	93ww (4047-93) (A)	0.3			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	93ww (4047-93) (A)	0.3			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	94ww (4047-94)	0	AA	89	0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	94ww (4047-94)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	94ww (4047-94)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	94ww (4047-94)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	94ww (4047-94) (A)	0.11	AA	89	0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	94ww (4047-94) (A)	0.11			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	94ww (4047-94) (A)	0.11			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	95ww (4047-95)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	95ww (4047-95)	0	AA	89	0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	95ww (4047-95)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	95ww (4047-95)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	95ww (4047-95) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	95ww (4047-95) (A)	0.06	AA	89	0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	95ww (4047-95) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	95ww (4047-95) (A)	0.06			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	96ww (4047-96)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	96ww (4047-96)	0	AA	89	0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	96ww (4047-96)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	96ww (4047-96)	0			0%	0%	0%	0.0	0.0	0.0			

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)
2013	CRP /	96ww (4047-96)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	96ww (4047-96) (A)	1.31			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	96ww (4047-96) (A)	1.31			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	96ww (4047-96) (A)	1.31			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	97ww (4047-97)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	97ww (4047-97)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	97ww (4047-97)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	97ww (4047-97) (A)	0.21			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	97ww (4047-97) (A)	0.21			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	97ww (4047-97) (A)	0.21			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	98ww (4047-98)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	98ww (4047-98)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	98ww (4047-98)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	98ww (4047-98) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	98ww (4047-98) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	98ww (4047-98) (A)	0.1			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	99ww (4047-99)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	99ww (4047-99)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	99ww (4047-99)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	99ww (4047-99) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	99ww (4047-99) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	99ww (4047-99) (A)	0.1			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	100ww (4047-100)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	100ww (4047-100)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	100ww (4047-100)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	100ww (4047-100) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	100ww (4047-100) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	100ww (4047-100) (A)	0.06			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	101ww (4047-101)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	101ww (4047-101)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	101ww (4047-101)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	101ww (4047-101) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	101ww (4047-101) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	101ww (4047-101) (A)	0.13			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	102ww (4047-102)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	102ww (4047-102)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	102ww (4047-102)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	102ww (4047-102) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	102ww (4047-102) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	102ww (4047-102) (A)	0.13			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	103ww (4047-103)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	103ww (4047-103)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	103ww (4047-103)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	103ww (4047-103) (A)	2.94			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	103ww (4047-103) (A)	2.94			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	103ww (4047-103) (A)	2.94			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	104ww (4047-104)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	104ww (4047-104)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	104ww (4047-104)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	104ww (4047-104) (A)	2.07			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	104ww (4047-104) (A)	2.07			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	104ww (4047-104) (A)	2.07			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	105ww (4047-105)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	105ww (4047-105)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	105ww (4047-105)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	105ww (4047-105) (A)	0.63			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	105ww (4047-105) (A)	0.63			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	105ww (4047-105) (A)	0.63			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	107ww (4047-107)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	107ww (4047-107)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	107ww (4047-107)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	CRP /	107ww (4047-107) (A)	4.92			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	107ww (4047-107) (A)	4.92			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	107ww (4047-107) (A)	4.92			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	/ Corn	108corn (4047-108)	55.68			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	108corn (4047-108)	55.68			0%	0%	0%	0.0	0.0	0.0			
2013	/ Corn	108corn (4047-108)	55.68	AA	213	82%	0%	0%	174.7	0.0	0.0	0.7	1.7	(15.0)
2013	CRP /	115crp (4047-115)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	115crp (4047-115)	0			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	115crp (4047-115)	0			0%	0%	0%	0.0	0.0	0.0	(30.0)	(12.0)	(50.0)
2013	CRP /	115crp (4047-115) (A)	2.12			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	115crp (4047-115) (A)	2.12			0%	0%	0%	0.0	0.0	0.0			
2013	CRP /	115crp (4047-115) (A)	2.12			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2013	Alfalfa /	9hay (3605-9)	14.23			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	9hay (3605-9)	14.23			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	9hay (3605-9)	14.23	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2013	Alfalfa /	12hay (3605-12)	10.93			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	12hay (3605-12)	10.93			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	12hay (3605-12)	10.93	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2013	Alfalfa /	8hay (3608-8)	6.98			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	8hay (3608-8)	6.98			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	8hay (3608-8)	6.98	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2013	Alfalfa /	14hay (3608-14)	2.77			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	14hay (3608-14)	2.77			0%	0%	0%	0.0	0.0	0.0			
2013	Alfalfa /	14hay (3608-14)	2.77	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2014	/ Corn	1A (T4047-1A)	15.24			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	1A (T4047-1A)	15.24	PC	158	0%	0%	60%	0.0	0.0	94.8			
2014	/ Corn	1A (T4047-1A)	15.24	AA	205	82%	0%	0%	168.1	0.0	0.0	1.3	1.7	79.8
2014	/ Corn	1B (T4047-1B)	3			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	1B (T4047-1B)	3	PC	158	0%	0%	60%	0.0	0.0	94.8			
2014	/ Corn	1B (T4047-1B)	3	AA	205	82%	0%	0%	168.1	0.0	0.0	1.3	1.7	79.8
2014	/ Alfalfa	1C (T4047-1C)	1.02			0%	0%	0%	0.0	0.0	0.0			
2014	/ Alfalfa	1C (T4047-1C)	1.02			0%	0%	0%	0.0	0.0	0.0			
2014	/ Alfalfa	1C (T4047-1C)	1.02	PC	266	0%	0%	60%	0.0	0.0	159.6	(158.3)	(0.5)	79.8
2014	CRP /	2crp (T4047-2)	0			0%	0%	0%	0.0	0.0	0.0			

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)
2014	CRP /	2crp (T4047-2)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	2crp (T4047-2)	0			0%	0%	0%	0.0	0.0	0.0	(31.3)	(12.0)	(50.0)
2014	CRP /	2crp (T4047-2) (A)	8.15			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	2crp (T4047-2) (A)	8.15			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	2crp (T4047-2) (A)	8.15			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	3crp (T4047-3)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	3crp (T4047-3)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	3crp (T4047-3) (A)	5.58			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	4crp (T4047-4)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	4crp (T4047-4)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	4crp (T4047-4) (A)	6.21			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	5crp (T4047-5)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	5crp (T4047-5)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	5crp (T4047-5) (A)	7.21			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	5crp (T4047-5) (A)	7.21			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	5crp (T4047-5) (A)	7.21			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	7crp (T4074-7)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	7crp (T4074-7)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	7crp (T4074-7)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	7crp (T4074-7) (A)	3.84			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	7crp (T4074-7) (A)	3.84			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	7crp (T4074-7) (A)	3.84			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	Pasture MM /	8graze (T4047-8)	17.63			0%	0%	0%	0.0	0.0	0.0			
2014	Pasture MM /	8graze (T4047-8)	17.63			0%	0%	0%	0.0	0.0	0.0			
2014	Pasture MM /	8graze (T4047-8)	17.63			0%	0%	0%	0.0	0.0	0.0	(55.8)	1.1	28.1
2014	Pasture MM /	9graze (T4047-9)	19.51			0%	0%	0%	0.0	0.0	0.0			
2014	Pasture MM /	9graze (T4047-9)	19.51			0%	0%	0%	0.0	0.0	0.0			
2014	Pasture MM /	9graze (T4047-9)	19.51			0%	0%	0%	0.0	0.0	0.0	(49.5)	1.1	28.1
2014	/ Corn	10corn (4047-10)	59.14			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	10corn (4047-10)	59.14			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	10corn (4047-10)	59.14	AA	189	82%	0%	0%	155.0	0.0	0.0	(12.6)	1.7	(15.0)
2014	/ Corn	10corn (4047-10) (A)	2.18	PC	80	0%	0%	60%	0.0	0.0	48.0			
2014	/ Corn	10corn (4047-10) (A)	2.18	DAP	161	18%	46%	0%	29.0	74.1	0.0			
2014	/ Corn	10corn (4047-10) (A)	2.18	AA	206	82%	0%	0%	168.9	0.0	0.0	(1.4)	0.1	(0.2)
2014	CRP /	11crp (4047-11)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	11crp (4047-11)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	11crp (4047-11)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	11crp (4047-11) (A)	4.47			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	11crp (4047-11) (A)	4.47			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	11crp (4047-11) (A)	4.47			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	Pasture MM /	12graze (4047-12)	40.78			0%	0%	0%	0.0	0.0	0.0			
2014	Pasture MM /	12graze (4047-12)	40.78			0%	0%	0%	0.0	0.0	0.0			
2014	Pasture MM /	12graze (4047-12)	40.78			0%	0%	0%	0.0	0.0	0.0	(55.8)	1.1	28.1
2014	/ Corn	13corn (4047-13)	11.3			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	13corn (4047-13)	11.3			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	13corn (4047-13)	11.3	AA	189	82%	0%	0%	155.0	0.0	0.0	6.0	0.3	6.3
2014	CRP /	14crp (4047-14)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	14crp (4047-14)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	14crp (4047-14)	0			0%	0%	0%	0.0	0.0	0.0	(31.7)	(12.0)	(50.0)
2014	CRP /	14crp (4047-14) (A)	6.3			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	14crp (4047-14) (A)	6.3			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	14crp (4047-14) (A)	6.3			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	/ Corn	15corn (4047-15)	6.85			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	15corn (4047-15)	6.85	PC	158	0%	0%	60%	0.0	0.0	94.8			
2014	/ Corn	15corn (4047-15)	6.85	AA	213	82%	0%	0%	174.7	0.0	0.0			
2014	/ Corn	15corn (4047-15) (A)	4.6	PC	80	0%	0%	60%	0.0	0.0	48.0	0.7	1.7	79.8
2014	/ Corn	15corn (4047-15) (A)	4.6			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	15corn (4047-15) (A)	4.6	AA	207	82%	0%	0%	169.7	0.0	0.0	(29.6)	(74.0)	(0.2)
2014	/ Corn	16corn (4047-16)	14.59			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	16corn (4047-16)	14.59			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	16corn (4047-16)	14.59	AA	189	82%	0%	0%	155.0	0.0	0.0	(0.3)	0.3	6.3
2014	CRP /	17crp (4047-17)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	17crp (4047-17)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	17crp (4047-17)	0			0%	0%	0%	0.0	0.0	0.0	(31.7)	(12.0)	(50.0)
2014	CRP /	17crp (4047-17) (A)	5.03			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	17crp (4047-17) (A)	5.03			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	17crp (4047-17) (A)	5.03			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	Alfalfa /	18hay (4047-18)	35.41			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	18hay (4047-18)	35.41			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	18hay (4047-18)	35.41	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2014	Alfalfa /	19hay (4047-19)	20.45			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	19hay (4047-19)	20.45			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	19hay (4047-19)	20.45	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2014	/ Corn	20corn (4047-20)	6.94			0%	0%	60%	0.0	0.0	94.8			
2014	/ Corn	20corn (4047-20)	6.94	PC	158	0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	20corn (4047-20)	6.94	AA	204	82%	0%	0%	167.3	0.0	0.0	0.4	1.7	79.8
2014	Alfalfa /	21hay (4047-21)	2.73			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	21hay (4047-21)	2.73			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	21hay (4047-21)	2.73	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2014	/ Corn	22corn (4047-22)	10.6			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	22corn (4047-22)	10.6	PC	158	0%	0%	60%	0.0	0.0	94.8			
2014	/ Corn	22corn (4047-22)	10.6	AA	204	82%	0%	0%	167.3	0.0	0.0	0.4	1.7	79.8
2014	CRP /	23crp (4047-23)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	23crp (4047-23)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	23crp (4047-23)	0			0%	0%	0%	0.0	0.0	0.0	(30.0)	(12.0)	(50.0)
2014	CRP /	23crp (4047-23) (A)	6.42			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	23crp (4047-23) (A)	6.42			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	23crp (4047-23) (A)	6.42			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)
2014	Pasture MM /	24graze (4047-24)	23.67			0%	0%	0%	0.0	0.0	0.0			
2014	Pasture MM /	24graze (4047-24)	23.67			0%	0%	0%	0.0	0.0	0.0			
2014	Pasture MM /	24graze (4047-24)	23.67			0%	0%	0%	0.0	0.0	0.0	(61.5)	(3.6)	4.7
2014	CRP /	25crp (4047-25)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	25crp (4047-25)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	25crp (4047-25)	0			0%	0%	0%	0.0	0.0	0.0	(34.8)	(12.0)	(50.0)
2014	CRP /	25crp (4047-25) (A)	1.99			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	25crp (4047-25) (A)	1.99			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	25crp (4047-25) (A)	1.99			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	26crp (4047-26)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	26crp (4047-26)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	26crp (4047-26)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	26crp (4047-26) (A)	8.94			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	26crp (4047-26) (A)	8.94			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	26crp (4047-26) (A)	8.94			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	27crp (4047-27)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	27crp (4047-27)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	27crp (4047-27)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	27crp (4047-27) (A)	3.96			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	27crp (4047-27) (A)	3.96			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	27crp (4047-27) (A)	3.96			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	Alfalfa /	28hay (4047-28)	7.45			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	28hay (4047-28)	7.45	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2014	Alfalfa /	29hay (4047-29)	1.06			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	29hay (4047-29)	1.06			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	29hay (4047-29)	1.06	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2014	Alfalfa /	31hay (4047-31)	5.31			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	31hay (4047-31)	5.31			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	31hay (4047-31)	5.31	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2014	CRP /	37crp (4047-37)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	37crp (4047-37)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	37crp (4047-37)	0			0%	0%	0%	0.0	0.0	0.0	(31.3)	(12.0)	(50.0)
2014	CRP /	37crp (4047-37) (A)	2.85			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	37crp (4047-37) (A)	2.85			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	37crp (4047-37) (A)	2.85			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	Pasture MM /	54graze (4047-54)	6.92			0%	0%	0%	0.0	0.0	0.0			
2014	Pasture MM /	54graze (4047-54)	6.92			0%	0%	0%	0.0	0.0	0.0			
2014	Pasture MM /	54graze (4047-54)	6.92			0%	0%	0%	0.0	0.0	0.0	(61.5)	(3.6)	4.7
2014	Pasture MM /	56graze (4047-56)	1.93			0%	0%	0%	0.0	0.0	0.0			
2014	Pasture MM /	56graze (4047-56)	1.93			0%	0%	0%	0.0	0.0	0.0			
2014	Pasture MM /	56graze (4047-56)	1.93			0%	0%	0%	0.0	0.0	0.0	(56.3)	(3.6)	4.7
2014	CRP /	70crp (4047-70)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	70crp (4047-70)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	70crp (4047-70)	0			0%	0%	0%	0.0	0.0	0.0	(34.8)	(12.0)	(50.0)
2014	CRP /	70crp (4047-70) (A)	6.98			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	70crp (4047-70) (A)	6.98			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	70crp (4047-70) (A)	6.98			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	/ Corn	71corn (4047-71)	3.56			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	71corn (4047-71)	3.56	PC	158	0%	0%	60%	0.0	0.0	94.8			
2014	/ Corn	71corn (4047-71)	3.56	AA	213	82%	0%	0%	174.7	0.0	0.0	0.7	1.7	79.8
2014	/ Corn	72corn (4047-72)	1.47			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	72corn (4047-72)	1.47	PC		0%	0%	60%	0.0	0.0	0.0			
2014	/ Corn	72corn (4047-72)	1.47	AA	202	82%	0%	0%	165.6	0.0	0.0	1.7	1.7	(15.0)
2014	Alfalfa /	73hay (4047-73)	1.11			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	73hay (4047-73)	1.11			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	73hay (4047-73)	1.11	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2014	/ Corn	74corn (4047-74)	10.25	PC		0%	0%	60%	0.0	0.0	0.0			
2014	/ Corn	74corn (4047-74)	10.25			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	74corn (4047-74)	10.25	AA	204	82%	0%	0%	167.3	0.0	0.0	0.4	1.7	(15.0)
2014	/ Corn	74corn (4047-74) (A)	2.72	PC	80	0%	0%	60%	0.0	0.0	48.0			
2014	/ Corn	74corn (4047-74) (A)	2.72			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	74corn (4047-74) (A)	2.72	AA	204	82%	0%	0%	167.3	0.0	0.0	(29.1)	(74.0)	(0.2)
2014	/ Corn	75corn (4047-75)	44.68			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	75corn (4047-75)	44.68			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	75corn (4047-75)	44.68	AA		82%	0%	0%	174.7	0.0	0.0	(3.3)	(7.7)	(19.1)
2014	/ Corn	75corn (4047-75) (A)	3.37	PC	80	0%	0%	60%	0.0	0.0	48.0			
2014	/ Corn	75corn (4047-75) (A)	3.37			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	75corn (4047-75) (A)	3.37	AA	204	82%	0%	0%	167.3	0.0	0.0	(30.0)	(74.0)	(0.2)
2014	/ Corn	77corn (4047-77)	32.32			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	77corn (4047-77)	32.32			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	77corn (4047-77)	32.32	AA	189	82%	0%	0%	155.0	0.0	0.0	(0.3)	0.3	6.3
2014	/ Corn	80corn (4047-80A)	22.48			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	80corn (4047-80A)	22.48			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	80corn (4047-80A)	22.48	AA	180	82%	0%	0%	147.6	0.0	0.0	0.6	0.3	6.3
2014	Alfalfa /	80hay (4047-80B)	11.62			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	80hay (4047-80B)	11.62			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	80hay (4047-80B)	11.62	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2014	/ Corn	81corn (4047-81A)	22.2			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	81corn (4047-81A)	22.2			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	81corn (4047-81A)	22.2	AA	181	82%	0%	0%	148.4	0.0	0.0	0.2	0.3	6.3
2014	Alfalfa /	81hay (4047-81B)	17.83			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	81hay (4047-81B)	17.83			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	81hay (4047-81B)	17.83	PC	266	0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2014	/ Corn	82corn (4047-82A)	43.89			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	82corn (4047-82A)	43.89			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	82corn (4047-82A)	43.89	AA	203	82%	0%	0%	166.5	0.0	0.0	1.2	1.7	(15.0)
2014	Alfalfa /	82hay (4047-82B)	50.18			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	82hay (4047-82B)	50.18			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	82hay (4047-82B)	50.18	PC	202	0%	0%	60%	0.0	0.0	121.2	0.0	(0.3)	60.5
2014	/ Corn	89corn (4047-89A)	15.79			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	89corn (4047-89A)	15.79			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	89corn (4047-89A)	15.79	AA	181	82%	0%	0%	148.4	0.0	0.0	0.2	0.3	6.3
2014	Alfalfa /	89hay (4047-89B)	4.9			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	89hay (4047-89B)	4.9			0%	0%	0%	0.0	0.0	0.0			

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)
2014	Alfalfa /	89hay (4047-89B)	4.9	PC	252	0%	0%	60%	0.0	0.0	151.2	0.0	1.4	72.2
2014	Alfalfa /	90hay (4047-90)	5.13			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	90hay (4047-90)	5.13	PC	266	0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	90hay (4047-90)	5.13			0%	0%	60%	0.0	0.0	159.6	0.0	(0.5)	79.8
2014	CRP /	91ww (4047-91)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	91ww (4047-91)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	91ww (4047-91)	0			0%	0%	0%	0.0	0.0	0.0	(31.3)	(12.0)	(50.0)
2014	CRP /	91ww (4047-91) (A)	0.32			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	91ww (4047-91) (A)	0.32			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	91ww (4047-91) (A)	0.32			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	92ww (4047-92)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	92ww (4047-92) (A)	0.05			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	92ww (4047-92) (A)	0.05			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	92ww (4047-92) (A)	0.05			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	93ww (4047-93)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	93ww (4047-93)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	93ww (4047-93)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	93ww (4047-93) (A)	0.3			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	93ww (4047-93) (A)	0.3			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	93ww (4047-93) (A)	0.3			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	94ww (4047-94)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	94ww (4047-94)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	94ww (4047-94)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	94ww (4047-94) (A)	0.11			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	94ww (4047-94) (A)	0.11			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	94ww (4047-94) (A)	0.11			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	95ww (4047-95)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	95ww (4047-95)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	95ww (4047-95)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	95ww (4047-95) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	95ww (4047-95) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	95ww (4047-95) (A)	0.06			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	96ww (4047-96)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	96ww (4047-96)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	96ww (4047-96)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	96ww (4047-96) (A)	1.31			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	96ww (4047-96) (A)	1.31			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	96ww (4047-96) (A)	1.31			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	97ww (4047-97)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	97ww (4047-97)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	97ww (4047-97)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	97ww (4047-97) (A)	0.21			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	97ww (4047-97) (A)	0.21			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	97ww (4047-97) (A)	0.21			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	98ww (4047-98)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	98ww (4047-98)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	98ww (4047-98)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	98ww (4047-98) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	98ww (4047-98) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	98ww (4047-98) (A)	0.1			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	99ww (4047-99)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	99ww (4047-99)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	99ww (4047-99)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	99ww (4047-99) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	99ww (4047-99) (A)	0.1			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	99ww (4047-99) (A)	0.1			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	100ww (4047-100)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	100ww (4047-100)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	100ww (4047-100)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	100ww (4047-100) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	100ww (4047-100) (A)	0.06			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	100ww (4047-100) (A)	0.06			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	101ww (4047-101)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	101ww (4047-101)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	101ww (4047-101)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	101ww (4047-101) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	101ww (4047-101) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	101ww (4047-101) (A)	0.13			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	102ww (4047-102)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	102ww (4047-102)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	102ww (4047-102)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	102ww (4047-102) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	102ww (4047-102) (A)	0.13			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	102ww (4047-102) (A)	0.13			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	103ww (4047-103)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	103ww (4047-103)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	103ww (4047-103)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	103ww (4047-103) (A)	2.94			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	103ww (4047-103) (A)	2.94			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	103ww (4047-103) (A)	2.94			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	104ww (4047-104)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	104ww (4047-104)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	104ww (4047-104)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	104ww (4047-104) (A)	2.07			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	104ww (4047-104) (A)	2.07			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	104ww (4047-104) (A)	2.07			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	105ww (4047-105)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	105ww (4047-105)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	105ww (4047-105)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	105ww (4047-105) (A)	0.63			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	105ww (4047-105) (A)	0.63			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	105ww (4047-105) (A)	0.63			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	107ww (4047-107)	0			0%	0%	0%	0.0	0.0	0.0			

COMMERCIAL FERTILIZER APPLICATIONS

Number of Fertilizers Used

3

CROP YEAR	Crop	FIELD #	ACRES	FERTILIZER TYPE	APPL. RATE (#/ACRE)	% N	% P2O5	% K2O	AUTO BALANCE			CROP YEAR BALANCE		
									N (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)	PAN (#/ACRE)	P2O5 (#/ACRE)	K2O (#/ACRE)
2014	CRP /	107ww (4047-107)	0	AA	189	0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	107ww (4047-107)	0			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	CRP /	107ww (4047-107) (A)	4.92			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	107ww (4047-107) (A)	4.92			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	107ww (4047-107) (A)	4.92			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	/ Corn	108corn (4047-108)	55.68			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	108corn (4047-108)	55.68			0%	0%	0%	0.0	0.0	0.0			
2014	/ Corn	108corn (4047-108)	55.68			82%	0%	0%	155.0	0.0	0.0	(0.3)	0.3	6.3
2014	CRP /	115crp (4047-115)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	115crp (4047-115)	0			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	115crp (4047-115)	0			0%	0%	0%	0.0	0.0	0.0	(31.7)	(12.0)	(50.0)
2014	CRP /	115crp (4047-115) (A)	2.12			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	115crp (4047-115) (A)	2.12			0%	0%	0%	0.0	0.0	0.0			
2014	CRP /	115crp (4047-115) (A)	2.12			0%	0%	0%	0.0	0.0	0.0	(40.0)	(12.0)	(50.0)
2014	Alfalfa /	9hay (3605-9)	14.23			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	9hay (3605-9)	14.23			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	9hay (3605-9)	14.23			0%	0%	0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)
2014	Alfalfa /	12hay (3605-12)	10.93			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	12hay (3605-12)	10.93			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	12hay (3605-12)	10.93			0%	0%	0%	0.0	0.0	0.0	0.0	(0.3)	(60.7)
2014	Alfalfa /	8hay (3608-8)	6.98			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	8hay (3608-8)	6.98			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	8hay (3608-8)	6.98			0%	0%	0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)
2014	Alfalfa /	14hay (3608-14)	2.77			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	14hay (3608-14)	2.77			0%	0%	0%	0.0	0.0	0.0			
2014	Alfalfa /	14hay (3608-14)	2.77			0%	0%	0%	0.0	0.0	0.0	0.0	(0.5)	(79.8)
2014	Alfalfa /	14hay (3608-14)	2.77			0%	0%	0%	0.0	0.0	0.0			

ANNUAL NUTRIENT BALANCE

CROP YEAR				AVAILABLE FROM MANURE										NEEDED BY CROP				COMMERCIAL				SOIL BALANCE			
2009				SOIL TEST RESULTS\INCLUDES MANURE CREDITS										(INCLUDES CROP CREDITS)				P205				K20			
CROP	FIELD #	ACRES	% OM	P	K	PH	PAN	P205	K20	PAN	P205	K20	N	P205	K20	ORG N	P	K							
/ Corn	1A (T4047-1A)	15	3.6	129.3	148.7	7.0	32.5	75.7	33.2	206.4	74.0	48.2	174.7	0.0	0.0	0.0	4.1	129.5	145.0						
/ Corn	1B (T4047-1B)	3	3.6	129.3	148.7	7.0	32.5	75.7	33.2	206.4	74.0	48.2	174.7	0.0	0.0	0.0	4.1	129.5	145.0						
/ Alfalfa	1C (T4047-1C)	1	3.6	129.3	148.7	7.0	44.4	64.5	47.3	193.0	64.8	108.0	0.0	0.0	0.0	5.5	129.3	133.5							
CRP /	2crp (T4047-2)	0		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	2crp (T4047-2) (A)	8		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	3crp (T4047-3)	0		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	3crp (T4047-3) (A)	6		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	4crp (T4047-4)	0		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	4crp (T4047-4) (A)	6		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	5crp (T4047-5)	0		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	5crp (T4047-5) (A)	7		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	7crp (T4074-7)	0		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	7crp (T4074-7) (A)	3.84		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
Pasture MM /	8graze (T4047-8)	17.63		70.0	300.0		34.2	28.1	140.6	90.0	27.0	112.5	0.0	0.0	0.0	3.6	70.1	307.0							
Pasture MM /	9graze (T4047-9)	19.51		70.0	300.0		34.2	28.1	140.6	90.0	27.0	112.5	0.0	0.0	0.0	3.6	70.1	307.0							
/ Corn	10corn (4047-10)	59.14	4.7	501.3	680.9	7.1	32.5	75.7	33.2	206.4	74.0	48.2	174.7	0.0	0.0	4.1	501.5	677.2							
/ Corn	10corn (4047-10) (A)	2.18		70.0	300.0		0.0	0.0	0.0	206.4	74.0	48.2	206.6	0.0	0.0	0.0	61.8	288.0							
CRP /	11crp (4047-11)	0		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	11crp (4047-11) (A)	4.47		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
Pasture MM /	12graze (4047-12)	40.78		70.0	300.0		34.2	28.1	140.6	90.0	27.0	112.5	0.0	0.0	0.0	3.6	70.1	307.0							
/ Corn	13corn (4047-13)	11.3	2.6	82.0	138.0	6.7	32.5	75.7	33.2	206.4	74.0	48.2	174.7	0.0	0.0	4.1	82.2	134.3							
CRP /	14crp (4047-14)	0		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	14crp (4047-14) (A)	6.3		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
/ Corn	15corn (4047-15)	6.85	3.9	522.0	934.0	7.1	32.5	75.7	33.2	206.4	74.0	48.2	174.7	0.0	0.0	4.1	522.2	930.3							
/ Corn	15corn (4047-15) (A)	4.6	3.9	522.0	934.0	7.1	0.0	0.0	0.0	206.4	74.0	48.2	177.1	0.0	0.0	0.0	513.8	922.0							
/ Corn	16corn (4047-16)	14.59	2.7	81.3	147.3	6.9	32.5	75.7	33.2	206.4	74.0	48.2	174.7	0.0	0.0	4.1	81.5	143.6							
CRP /	17crp (4047-17)	0		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	17crp (4047-17) (A)	5.03		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
Alfalfa /	18hay (4047-18)	35.41		70.0	300.0		27.6	64.3	28.2	193.0	64.8	108.0	0.0	0.0	159.6	3.5	69.9	320.0							
Alfalfa /	19hay (4047-19)	20.45		70.0	300.0		27.6	64.3	28.2	193.0	64.8	108.0	0.0	0.0	159.6	3.5	69.9	320.0							
/ Corn	20corn (4047-20)	6.94		70.0	300.0		51.1	74.3	54.4	206.4	74.0	48.2	155.0	0.0	0.0	6.4	70.0	301.6							
Alfalfa /	21hay (4047-21)	2.73		70.0	300.0		27.6	64.3	28.2	193.0	64.8	108.0	0.0	0.0	159.6	3.5	69.9	320.0							
/ Corn	22corn (4047-22)	10.6	5.7	550.0	897.0	7.1	51.1	74.3	54.4	206.4	74.0	48.2	155.0	0.0	0.0	6.4	550.0	898.6							
CRP /	23crp (4047-23)	0		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	23crp (4047-23) (A)	6.42		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
Pasture MM /	24graze (4047-24)	23.67		70.0	300.0		28.5	23.4	117.2	90.0	27.0	112.5	0.0	0.0	0.0	3.0	69.6	301.2							
CRP /	25crp (4047-25)	0		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	25crp (4047-25) (A)	1.99		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	26crp (4047-26)	0		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	26crp (4047-26) (A)	8.94		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	27crp (4047-27)	0		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	27crp (4047-27) (A)	3.96		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
Alfalfa /	28hay (4047-28)	7.45		70.0	300.0		44.4	64.5	47.3	193.0	64.8	108.0	0.0	0.0	121.2	5.5	70.0	315.1							
Alfalfa /	29hay (4047-29)	1.06		70.0	300.0		44.4	64.5	47.3	193.0	64.8	108.0	0.0	0.0	121.2	5.5	70.0	315.1							
Alfalfa /	31hay (4047-31)	5.31		70.0	300.0		44.4	64.5	47.3	193.0	64.8	108.0	0.0	0.0	121.2	5.5	70.0	315.1							
CRP /	37crp (4047-37)	0		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	37crp (4047-37) (A)	2.85		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
Pasture MM /	54graze (4047-54)	6.92		70.0	300.0		28.5	23.4	117.2	90.0	27.0	112.5	0.0	0.0	0.0	3.0	69.6	301.2							
Pasture MM /	56graze (4047-56)	1.93		70.0	300.0		28.5	23.4	117.2	90.0	27.0	112.5	0.0	0.0	0.0	3.0	69.6	301.2							
CRP /	70crp (4047-70)	0		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
CRP /	70crp (4047-70) (A)	6.98		70.0	300.0		0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	68.7	287.5							
/ Corn	71corn (4047-71)	3.56	3.3	442.0	440.0	7.2	51.1	74.3	54.4	206.4	74.0	48.2	155.0	0.0	0.0	6.4	442.0	441.6							
/ Corn	72corn (4047-72)	1.47	3.3	442.0	440.0	7.2	51.1	74.3	54.4	206.4	74.0	48.2	155.0	0.0	0.0	6.4	442.0	441.6							
Alfalfa /	73hay (4047-73)	1.11		70.0	300.0		27.6	64.3	28.2	193.0	64.8	108.0	0.0	0.0	159.6	3.5	69.9	320.0							
/ Corn	74corn (4047-74)	10.25	3.5	525.0	1022.0	7.2	51.1	74.3	54.4	206.4	74.0	48.2	155.0	0.0	0.0	6.4	525.0	1023.6							
/ Corn	74corn (4047-74) (A)	2.72	3.5	525.0	1022.0	7.2	0.0	0.0	0.0	206.4	74.0	48.2	177.1	0.0	48.0	0.0	516.8	1022.0							
/ Corn	75corn (4047-75)	44.68	4.6	479.9	919.6	6.9	47.1	68.4	50.1	206.4	74.0	48.2	155.0	0.0	0.0	5.9	479.3	920.1							
/ Corn	75corn (4047-75) (A)	3.37	4.6	479.9	919.6	6.9	0.0	0.0	0.0	206.4	74.0	48.2	177.1	0.0	48.0	0.0	471.7	919.6							
/ Corn	77corn (4047-77)	32.32	3.84	506.8	657.6	7.0	3																		

CROP YEAR			2010															
CROP	FIELD #	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
/ Corn	1A (T4047-1A)	15.24					32.5	75.7	33.2	206.4	74.0	48.2	174.7	0.0	0.0	6.1	129.7	141.2
/ Corn	1B (T4047-1B)	3					36.5	75.7	33.2	206.4	74.0	48.2	170.6	0.0	0.0	6.1	129.7	141.2
/ Alfalfa	1C (T4047-1C)	1.02					31.7	64.3	28.2	193.0	64.8	108.0	0.0	0.0	0.0	6.2	129.2	113.6
CRP /	2crp (T4047-2)	0					5.5	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	2crp (T4047-2) (A)	8.15					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	3crp (T4047-3)	0					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	3crp (T4047-3) (A)	5.58					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	4crp (T4047-4)	0					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	4crp (T4047-4) (A)	6.21					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	5crp (T4047-5)	0					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	5crp (T4047-5) (A)	7.21					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	7crp (T4074-7)	0					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	7crp (T4074-7) (A)	3.84					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
Pasture MM /	8graze (T4047-8)	17.63					34.2	28.1	140.6	90.0	27.0	112.5	0.0	0.0	0.0	5.4	70.2	314.1
Pasture MM /	9graze (T4047-9)	19.51					37.8	28.1	140.6	90.0	27.0	112.5	0.0	0.0	0.0	5.4	70.2	314.1
/ Corn	10com (4047-10)	59.14					36.1	75.7	33.2	206.4	74.0	48.2	155.0	0.0	0.0	6.1	501.7	673.4
/ Corn	10com (4047-10) (A)	2.18					4.1	0.0	0.0	206.4	74.0	48.2	202.0	74.1	48.0	0.0	61.8	287.9
CRP /	11crp (4047-11)	0					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	11crp (4047-11) (A)	4.47					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
Pasture MM /	12graze (4047-12)	40.78					34.2	28.1	140.6	90.0	27.0	112.5	0.0	0.0	0.0	5.4	70.2	314.1
/ Corn	13com (4047-13)	11.3					54.7	74.3	54.4	206.4	74.0	48.2	155.0	0.0	0.0	8.4	82.2	135.8
CRP /	14crp (4047-14)	0					4.1	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	14crp (4047-14) (A)	6.3					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
/ Corn	15com (4047-15)	6.85					32.5	75.7	33.2	206.4	74.0	48.2	174.7	0.0	0.0	6.1	522.4	926.5
/ Corn	15com (4047-15) (A)	4.6					4.1	0.0	0.0	206.4	74.0	48.2	173.0	0.0	48.0	0.0	505.6	921.9
/ Corn	16com (4047-16)	14.59					51.1	74.3	54.4	206.4	74.0	48.2	155.0	0.0	0.0	8.4	81.5	145.1
CRP /	17crp (4047-17)	0					4.1	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	17crp (4047-17) (A)	5.03					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
Alfalfa /	18hay (4047-18)	35.41					44.4	64.5	47.3	193.0	64.8	108.0	0.0	0.0	0.0	7.3	69.9	304.8
Alfalfa /	19hay (4047-19)	20.45					47.8	64.5	47.3	193.0	64.8	108.0	0.0	0.0	0.0	7.3	69.9	304.8
/ Corn	20com (4047-20)	6.94					35.9	75.7	33.2	206.4	74.0	48.2	171.4	0.0	0.0	7.3	70.2	297.8
Alfalfa /	21hay (4047-21)	2.73					50.8	64.5	47.3	193.0	64.8	108.0	0.0	0.0	0.0	7.3	69.9	304.8
/ Corn	22com (4047-22)	10.6					35.9	75.7	33.2	206.4	74.0	48.2	171.4	0.0	0.0	7.3	550.2	894.8
CRP /	23crp (4047-23)	0					6.4	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	23crp (4047-23) (A)	6.42					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
Pasture MM /	24graze (4047-24)	23.67					28.5	23.4	117.2	90.0	27.0	112.5	0.0	0.0	0.0	4.5	69.2	302.3
CRP /	25crp (4047-25)	0					3.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	25crp (4047-25) (A)	1.99					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	26crp (4047-26)	0					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	26crp (4047-26) (A)	8.94					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	27crp (4047-27)	0					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	27crp (4047-27) (A)	3.96					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
Alfalfa /	28hay (4047-28)	7.45					27.6	64.3	28.2	193.0	64.8	108.0	0.0	0.0	0.0	6.2	69.9	295.2
Alfalfa /	29hay (4047-29)	1.06					33.2	64.3	28.2	193.0	64.8	108.0	0.0	0.0	0.0	6.2	69.9	295.2
Alfalfa /	31hay (4047-31)	5.31					33.2	64.3	28.2	193.0	64.8	108.0	0.0	0.0	0.0	6.2	69.9	295.2
CRP /	37crp (4047-37)	0					5.5	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	37crp (4047-37) (A)	2.85					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
Pasture MM /	54graze (4047-54)	6.92					28.5	23.4	117.2	90.0	27.0	112.5	0.0	0.0	0.0	4.5	69.2	302.3
Pasture MM /	56graze (4047-56)	1.93					31.5	23.4	117.2	90.0	27.0	112.5	0.0	0.0	0.0	4.5	69.2	302.3
CRP /	70crp (4047-70)	0					3.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	70crp (4047-70) (A)	6.98					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
/ Corn	71com (4047-71)	3.56					32.5	75.7	33.2	206.4	74.0	48.2	174.7	0.0	0.0	7.3	442.2	437.8
/ Corn	72com (4047-72)	1.47					38.9	75.7	33.2	206.4	74.0	48.2	168.1	0.0	0.0	7.3	442.2	437.8
Alfalfa /	73hay (4047-73)	1.11					50.8	64.5	47.3	193.0	64.8	108.0	0.0	0.0	0.0	7.3	69.9	304.8
/ Corn	74com (4047-74)	10.25					35.9	75.7	33.2	206.4	74.0	48.2	171.4	0.0	0.0	7.3	525.2	1019.8
/ Corn	74com (4047-74) (A)	2.72					6.4	0.0	0.0	206.4	74.0	48.2	171.4	0.0	48.0	0.0	508.6	1021.9
/ Corn	75com (4047-75)	44.68					28.4	66.2	29.0	206.4	74.0	48.2	174.7	0.0	0.0	6.5	478.4	915.3
/ Corn	75com (4047-75) (A)	3.37					5.9	0.0	0.0	206.4	74.0	48.2	171.4	0.0	48.0	0.0	463.5	919.5
/ Corn	77com (4047-77)	32.32					51.1	74.3	54.4	206.4	74.0	48.2	155.0	0.0	0.0	8.4	507.0	655.4
/ Corn	80com (4047-80A)	22.48					55.2	74.3	54.4	206.4	74.0	48.2	151.7	0.0	0.0	8.4	385.5	422.1
Alfalfa /	80hay (4047-80B)	11.62					48.5	64.5	47.3	193.0	64.8	108.0	0.0	0.0	0.0	7.3	385.2	429.1
/ Corn	81com (4047-81A)	22.2					54.6	74.3	54.4	206.4	74.0	48.2	151.7	0.0	0.0	9.6	319.4	341.3
Alfalfa /	81hay (4047-81B)	17.83					34.0	64.3	28.2	193.0	64.8	108.0	0.0	0.0	0.0	6.2	319.2	333.4
/ Corn	82com (4047-82A)	43.89					38.0	75.7	33.2	206.4	74.0	48.2	168.9	0.0	0.0	7.3	374.8	377.5
Alfalfa /	82hay (4047-82B)	50.18					50.8	64.5	47.3	193.0	64.8	108.0	0.0	0.0	0.0	7.3	374.5	384.5
/ Corn	89com (4047-89A)	15.79					54.6	74.3	54.4	206.4	74.0	48.2	151.7	0.0	0.0	8.4	177.8	267.4
Alfalfa /	89hay (4047-89B)	4.9					32.5	66.2	29.0	193.0	64.8	108.0	0.0	0.0	0.0	5.3	177.9	268.4
Alfalfa /	90hay (4047-90)	5.13					31.2	64.3	28.2	193.0	64.8	108.0	0.0	0.0	0.0	6.2	69.9	295.2
CRP /	91ww (4047-91)	0					5.5	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	91ww (4047-91) (A)	0.32					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	92ww (4047-92)	0					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	92ww (4047-92) (A)	0.05					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	93ww (4047-93)	0					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	93ww (4047-93) (A)	0.3					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	94ww (4047-94)	0					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	94ww (4047-94) (A)	0.11					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	67.3	275.0
CRP /	95ww (4047-95)	0					0.0	0.0	0.0	40.0	12.0	50.0	0.0					

CROP YEAR			2011																
CROP	FIELD #	ACRES	SOIL TEST RESULTS				AVAILABLE FROM MANURE (INCLUDES MANURE CREDITS)			NEEDED BY CROP (INCLUDES CROP CREDITS)			COMMERCIAL			SOIL BALANCE			
			% OM	P	K	PH	PAN	P205	K20	PAN	P205	K20	N	P205	K20	ORG N	P	K	
/ Corn	1A (T4047-1A)	15.24					38.0	75.7	33.2	206.4	74.0	48.2	168.9	0.0	0.0	7.1	129.9	137.5	
/ Corn	1B (T4047-1B)	3					38.6	75.7	33.2	206.4	74.0	48.2	168.9	0.0	0.0	7.1	129.9	137.5	
/ Alfalfa	1C (T4047-1C)	1.02					50.5	64.5	47.3	193.0	64.8	108.0	0.0	0.0	121.2	8.7	129.2	128.7	
CRP /	2crp (T4047-2)	0					6.2	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	2crp (T4047-2) (A)	8.15					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	3crp (T4047-3)	0					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	3crp (T4047-3) (A)	5.58					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	4crp (T4047-4)	0					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	4crp (T4047-4) (A)	6.21					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	5crp (T4047-5)	0					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	5crp (T4047-5) (A)	7.21					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	7crp (T4074-7)	0					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	7crp (T4074-7) (A)	3.84					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
Pasture MM /	8graze (T4047-8)	17.63					34.2	28.1	140.6	90.0	27.0	112.5	0.0	0.0	0.0	6.3	70.4	321.1	
Pasture MM /	9graze (T4047-9)	19.51					39.6	28.1	140.6	90.0	27.0	112.5	0.0	0.0	0.0	6.3	70.4	321.1	
/ Corn	10com (4047-10)	59.14					37.9	75.7	33.2	206.4	74.0	48.2	174.7	0.0	0.0	7.1	501.9	669.7	
/ Corn	10com (4047-10) (A)	2.18					6.1	0.0	0.0	206.4	74.0	48.2	197.9	74.1	48.0	0.0	61.8	287.9	
CRP /	11crp (4047-11)	0					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	11crp (4047-11) (A)	4.47					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
Pasture MM /	12graze (4047-12)	40.78					34.2	28.1	140.6	90.0	27.0	112.5	0.0	0.0	0.0	6.3	70.4	321.1	
/ Corn	13com (4047-13)	11.3					37.9	75.7	33.2	206.4	74.0	48.2	174.7	0.0	0.0	8.3	82.4	132.1	
CRP /	14crp (4047-14)	0					8.4	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	14crp (4047-14) (A)	6.3					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
/ Corn	15com (4047-15)	6.85					32.5	75.7	33.2	206.4	74.0	48.2	174.7	0.0	0.0	7.1	522.6	922.8	
/ Corn	15com (4047-15) (A)	4.6					6.1	0.0	0.0	206.4	74.0	48.2	170.6	0.0	48.0	0.0	497.3	921.9	
/ Corn	16com (4047-16)	14.59					32.5	75.7	33.2	206.4	74.0	48.2	174.7	0.0	0.0	8.3	81.7	141.4	
CRP /	17crp (4047-17)	0					8.4	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	17crp (4047-17) (A)	5.03					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
Alfalfa /	18hay (4047-18)	35.41					27.6	64.3	28.2	193.0	64.8	108.0	0.0	0.0	159.6	7.1	69.9	324.7	
Alfalfa /	19hay (4047-19)	20.45					34.9	64.3	28.2	193.0	64.8	108.0	0.0	0.0	159.6	7.1	69.9	324.7	
/ Corn	20com (4047-20)	6.94					58.4	74.3	54.4	206.4	74.0	48.2	147.6	0.0	0.0	10.0	70.3	299.4	
Alfalfa /	21hay (4047-21)	2.73					34.9	64.3	28.2	193.0	64.8	108.0	0.0	0.0	159.6	7.1	69.9	324.7	
/ Corn	22com (4047-22)	10.6					58.4	74.3	54.4	206.4	74.0	48.2	147.6	0.0	0.0	10.0	550.3	896.4	
CRP /	23crp (4047-23)	0					7.3	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	23crp (4047-23) (A)	6.42					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
Pasture MM /	24graze (4047-24)	23.67					28.5	23.4	117.2	90.0	27.0	112.5	0.0	0.0	0.0	5.3	68.8	303.5	
CRP /	25crp (4047-25)	0					4.5	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	25crp (4047-25) (A)	1.99					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	26crp (4047-26)	0					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	26crp (4047-26) (A)	8.94					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	27crp (4047-27)	0					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	27crp (4047-27) (A)	3.96					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
Alfalfa /	28hay (4047-28)	7.45					44.4	64.5	47.3	193.0	64.8	108.0	0.0	0.0	121.2	8.7	69.9	310.3	
Alfalfa /	29hay (4047-29)	1.06					50.6	64.5	47.3	193.0	64.8	108.0	0.0	0.0	121.2	8.7	69.9	310.3	
Alfalfa /	31hay (4047-31)	5.31					50.6	64.5	47.3	193.0	64.8	108.0	0.0	0.0	121.2	8.7	69.9	310.3	
CRP /	37crp (4047-37)	0					6.2	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	37crp (4047-37) (A)	2.85					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
Pasture MM /	54graze (4047-54)	6.92					28.5	23.4	117.2	90.0	27.0	112.5	0.0	0.0	0.0	5.3	68.8	303.5	
Pasture MM /	56graze (4047-56)	1.93					33.0	23.4	117.2	90.0	27.0	112.5	0.0	0.0	0.0	5.3	68.8	303.5	
CRP /	70crp (4047-70)	0					4.5	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
CRP /	70crp (4047-70) (A)	6.98					0.0	0.0	0.0	40.0	12.0	50.0	0.0	0.0	0.0	0.0	66.0	262.5	
/ Corn	71com (4047-71)	3.56					51.1	74.3	54.4	206.4	74.0	48.2	155.0	0.0	0.0	10.0	442.3	439.4	
/ Corn	72com (4047-72)	1.47					58.4	74.3	54.4	206.4	74.0	48.2	147.6	0.0	0.0	10.0	442.3	439.4	
Alfalfa /	73hay (4047-73)	1.11					34.9	64.3	28.2	193.0	64.8	108.0	0.0	0.0	159.6	7.1	69.9	324.7	
/ Corn	74com (4047-74)	10.25					58.4	74.3	54.4	206.4	74.0	48.2	147.6	0.0	0.0	10.0	525.3	1021.4	
/ Corn	74com (4047-74) (A)	2.72					7.3	0.0	0.0	206.4	74.0	48.2	170.6	0.0	48.0	0.0	500.3	1021.9	
/ Corn	75com (4047-75)	44.68					47.1	68.4	50.1	206.4	74.0	48.2	155.0	0.0	0.0	9.1	477.8	915.8	
/ Corn	75com (4047-75) (A)	3.37					6.5	0.0	0.0	206.4	74.0	48.2	170.6	0.0	48.0	0.0	455.2	919.5	
/ Corn	77com (4047-77)	32.32					32.5	75.7	33.2	206.4	74.0	48.2	174.7	0.0	0.0	8.3	507.2	651.7	
/ Corn	80com (4047-80A)	22.48					40.9	75.7	33.2	206.4	74.0	48.2	166.5	0.0	0.0	8.3	385.7	418.4	
Alfalfa /	80hay (4047-80B)	11.62					36.0	64.3	28.2	193.0	64.8	108.0	0.0	0.0	159.6	7.1	385.2	449.0	
/ Corn	81com (4047-81A)	22.2					58.4	74.3	54.4	206.4	74.0	48.2	147.6	0.0	0.0	11.2	319.4	342.9	
Alfalfa /	81hay (4047-81B)	17.83					54.0	64.5	47.3	193.0	64.8	108.0	0.0	0.0	121.2				

CROP YEAR																			
2012																			
			SOIL TEST RESULTS				AVAILABLE FROM MANURE (INCLUDES MANURE CREDITS)			NEEDED BY CROP (INCLUDES CROP CREDITS)			COMMERCIAL			SOIL BALANCE			
CROP	FIELD #	ACRES	% OM	P	K	PH	PAN	P205	K20	PAN	P205	K20	N	P205	K2O	ORG N	P	K	
/ Corn	1A (T4047-1A)	15.24					38.7	75.7	33.2	206.4	73.96	48.16	168.1	0.0	0.0	7.1	130.1	133.7	
/ Corn	1B (T4047-1B)	3					39.6	75.7	33.2	206.4	73.96	48.16	168.1	0.0	0.0	7.1	130.1	133.7	
/ Alfalfa	1C (T4047-1C)	1.02					34.7	64.3	28.2	193	64.8	108	0.0	0.0	0.0	7.1	129.1	108.7	
CRP /	2crp (T4047-2)	0					8.7	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	2crp (T4047-2) (A)	8.15					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	3crp (T4047-3)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	3crp (T4047-3) (A)	5.58					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	4crp (T4047-4)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	4crp (T4047-4) (A)	6.21					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	5crp (T4047-5)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	5crp (T4047-5) (A)	7.21					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	7crp (T4074-7)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	7crp (T4074-7) (A)	3.84					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
Pasture MM /	8graze (T4047-8)	17.63					34.2	28.1	140.6	90	27	112.5	0.0	0.0	0.0	6.3	70.5	328.1	
Pasture MM /	9graze (T4047-9)	19.51					40.5	28.1	140.6	90	27	112.5	0.0	0.0	0.0	6.3	70.5	328.1	
/ Corn	10corn (4047-10)	59.14					38.8	75.7	33.2	206.4	73.96	48.16	155.0	0.0	0.0	7.1	502.1	665.9	
/ Corn	10corn (4047-10) (A)	2.18					7.1	0.0	0.0	206.4	73.96	48.16	197.9	74.1	48.0	0.0	61.8	287.8	
CRP /	11crp (4047-11)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	11crp (4047-11) (A)	4.47					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
Pasture MM /	12graze (4047-12)	40.78					34.2	28.1	140.6	90	27	112.5	0.0	0.0	0.0	6.3	70.5	328.1	
/ Corn	13corn (4047-13)	11.3					57.4	74.3	54.4	206.4	73.96	48.16	155.0	0.0	0.0	10.0	82.5	133.6	
CRP /	14crp (4047-14)	0					8.3	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	14crp (4047-14) (A)	6.3					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
/ Corn	15corn (4047-15)	6.85					32.5	75.7	33.2	206.4	73.96	48.16	174.7	0.0	0.0	7.1	522.8	919.0	
/ Corn	15corn (4047-15) (A)	4.6					7.1	0.0	0.0	206.4	73.96	48.16	170.6	0.0	48.0	0.0	489.1	921.8	
/ Corn	16corn (4047-16)	14.59					51.1	74.3	54.4	206.4	73.96	48.16	155.0	0.0	0.0	10.0	81.8	142.9	
CRP /	17crp (4047-17)	0					8.3	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	17crp (4047-17) (A)	5.03					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
Alfalfa /	18hay (4047-18)	35.41					44.4	64.5	47.3	193	64.8	108	0.0	0.0	0.0	8.7	69.8	309.5	
Alfalfa /	19hay (4047-19)	20.45					51.5	64.5	47.3	193	64.8	108	0.0	0.0	0.0	8.7	69.8	309.5	
/ Corn	20corn (4047-20)	6.94					39.6	75.7	33.2	206.4	73.96	48.16	167.3	0.0	0.0	8.3	70.5	295.6	
Alfalfa /	21hay (4047-21)	2.73					54.4	64.5	47.3	193	64.8	108	0.0	0.0	0.0	8.7	69.8	309.5	
/ Corn	22corn (4047-22)	10.6					39.6	75.7	33.2	206.4	73.96	48.16	167.3	0.0	0.0	8.3	550.5	892.6	
CRP /	23crp (4047-23)	0					10.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	23crp (4047-23) (A)	6.42					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
Pasture MM /	24graze (4047-24)	23.67					28.5	23.4	117.2	90	27	112.5	0.0	0.0	0.0	5.3	68.4	304.7	
CRP /	25crp (4047-25)	0					5.3	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	25crp (4047-25) (A)	1.99					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	26crp (4047-26)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	26crp (4047-26) (A)	8.94					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	27crp (4047-27)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	27crp (4047-27) (A)	3.96					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
Alfalfa /	28hay (4047-28)	7.45					27.6	64.3	28.2	193	64.8	108	0.0	0.0	0.0	7.1	69.8	290.3	
Alfalfa /	29hay (4047-29)	1.06					36.3	64.3	28.2	193	64.8	108	0.0	0.0	0.0	7.1	69.8	290.3	
Alfalfa /	31hay (4047-31)	5.31					36.3	64.3	28.2	193	64.8	108	0.0	0.0	0.0	7.1	69.8	290.3	
CRP /	37crp (4047-37)	0					8.7	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	37crp (4047-37) (A)	2.85					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
Pasture MM /	54graze (4047-54)	6.92					28.5	23.4	117.2	90	27	112.5	0.0	0.0	0.0	5.3	68.4	304.7	
Pasture MM /	56graze (4047-56)	1.93					33.8	23.4	117.2	90	27	112.5	0.0	0.0	0.0	5.3	68.4	304.7	
CRP /	70crp (4047-70)	0					5.3	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
CRP /	70crp (4047-70) (A)	6.98					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	64.7	250.0	
/ Corn	71corn (4047-71)	3.56					32.5	75.7	33.2	206.4	73.96	48.16	174.7	0.0	0.0	8.3	442.5	435.6	
/ Corn	72corn (4047-72)	1.47					42.5	75.7	33.2	206.4	73.96	48.16	164.0	0.0	0.0	8.3	442.5	435.6	
Alfalfa /	73hay (4047-73)	1.11					54.4	64.5	47.3	193	64.8	108	0.0	0.0	0.0	8.7	69.8	309.5	
/ Corn	74corn (4047-74)	10.25					39.6	75.7	33.2	206.4	73.96	48.16	167.3	0.0	0.0	8.3	525.5	1017.6	
/ Corn	74corn (4047-74) (A)	2.72					10.0	0.0	0.0	206.4	73.96	48.16	167.3	0.0	48.0	0.0	492.1	1021.8	
/ Corn	75corn (4047-75)	44.68					28.4	66.2	29.0	206.4	73.96	48.16	174.7	0.0	0.0	7.4	476.9	911.0	
/ Corn	75corn (4047-75) (A)	3.37					9.1	0.0	0.0	206.4	73.96	48.16	167.3	0.0	48.0	0.0	447.0	919.4	
/ Corn	77corn (4047-77)	32.32					51.1	74.3	54.4	206.4	73.96	48.16	155.0	0.0	0.0	10.0	507.3	653.2	
/ Corn	80corn (4047-80A)	22.48					59.4	74.3	54.4	206.4	73.96	48.16	146.8	0.0	0.0	10.0	385.8	419.9	
Alfalfa /	80hay (4047-80B)	11.62					52.7	64.5	47.3	193	64.8	108	0.0	0.0	0.0	8.7	385.1	433.8	
/ Corn	81corn (4047-81A)	22.2					58.2	74.3	54.4	206.4	73.96	48.16	147.6	0.0	0.0	11.2	319.4	344.5	
Alfalfa /	81hay (4047-81B)	17.83					38.8	64.3	28.2	193	64.8	108	0.0	0.0	0.0	7.1	319.1	328.5	
/ Corn	82corn (4047-82A)	43.89					41.1	75.7	33.2	206.4	73.96	48.16	166.5	0.0	0.0	8.3	375.1	375.3	

CROP YEAR			2013																
CROP	FIELD #	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	
/ Corn	1A (T4047-1A)	15.24					41.1	75.7	33.2	206.4	73.96	48.16	174.7	0.0	0.0	7.1	130.3	130.0	
/ Corn	1B (T4047-1B)	3					39.6	75.7	33.2	206.4	73.96	48.16	168.1	0.0	0.0	7.1	130.3	130.0	
/ Alfalfa	1C (T4047-1C)	1.02					51.5	64.5	47.3	193	64.8	108	0.0	0.0	121.2	8.7	129.1	123.8	
CRP /	2crp (T4047-2)	0					7.1	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	2crp (T4047-2) (A)	8.15					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	3crp (T4047-3)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	3crp (T4047-3) (A)	5.58					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	4crp (T4047-4)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	4crp (T4047-4) (A)	6.21					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	5crp (T4047-5)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	5crp (T4047-5) (A)	7.21					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	7crp (T4074-7)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	7crp (T4074-7) (A)	3.84					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
Pasture MM /	8graze (T4047-8)	17.63					34.2	28.1	140.6	90	27	112.5	0.0	0.0	0.0	6.3	70.6	335.1	
Pasture MM /	9graze (T4047-9)	19.51					40.5	28.1	140.6	90	27	112.5	0.0	0.0	0.0	6.3	70.6	335.1	
/ Corn	10com (4047-10)	59.14					38.8	75.7	33.2	206.4	73.96	48.16	174.7	0.0	0.0	7.1	502.3	662.2	
/ Corn	10com (4047-10) (A)	2.18					7.1	0.0	0.0	206.4	73.96	48.16	196.3	74.1	48.0	0.0	61.8	287.8	
CRP /	11crp (4047-11)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	11crp (4047-11) (A)	4.47					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
Pasture MM /	12graze (4047-12)	40.78					34.2	28.1	140.6	90	27	112.5	0.0	0.0	0.0	6.3	70.6	335.1	
/ Corn	13com (4047-13)	11.3					38.8	75.7	33.2	206.4	73.96	48.16	174.7	0.0	0.0	8.3	82.6	129.9	
CRP /	14crp (4047-14)	0					10.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	14crp (4047-14) (A)	6.3					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
/ Corn	15com (4047-15)	6.85					32.5	75.7	33.2	206.4	73.96	48.16	174.7	0.0	0.0	7.1	523.0	915.3	
/ Corn	15com (4047-15) (A)	4.6					7.1	0.0	0.0	206.4	73.96	48.16	170.6	0.0	48.0	0.0	480.9	921.8	
/ Corn	16com (4047-16)	14.59					32.5	75.7	33.2	206.4	73.96	48.16	174.7	0.0	0.0	8.3	81.9	139.2	
CRP /	17crp (4047-17)	0					10.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	17crp (4047-17) (A)	5.03					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
Alfalfa /	18hay (4047-18)	35.41					27.6	64.3	28.2	193	64.8	108	0.0	0.0	159.6	7.1	69.8	329.5	
Alfalfa /	19hay (4047-19)	20.45					36.3	64.3	28.2	193	64.8	108	0.0	0.0	159.6	7.1	69.8	329.5	
/ Corn	20com (4047-20)	6.94					59.8	74.3	54.4	206.4	73.96	48.16	146.8	0.0	0.0	10.0	70.5	297.2	
Alfalfa /	21hay (4047-21)	2.73					35.9	64.3	28.2	193	64.8	108	0.0	0.0	159.6	7.1	69.8	329.5	
/ Corn	22com (4047-22)	10.6					59.8	74.3	54.4	206.4	73.96	48.16	146.8	0.0	0.0	10.0	550.5	894.2	
CRP /	23crp (4047-23)	0					8.3	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	23crp (4047-23) (A)	6.42					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
Pasture MM /	24graze (4047-24)	23.67					28.5	23.4	117.2	90	27	112.5	0.0	0.0	0.0	5.3	68.0	305.9	
CRP /	25crp (4047-25)	0					5.3	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	25crp (4047-25) (A)	1.99					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	26crp (4047-26)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	26crp (4047-26) (A)	8.94					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	27crp (4047-27)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	27crp (4047-27) (A)	3.96					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
Alfalfa /	28hay (4047-28)	7.45					44.4	64.5	47.3	193	64.8	108	0.0	0.0	121.2	8.7	69.8	305.4	
Alfalfa /	29hay (4047-29)	1.06					51.5	64.5	47.3	193	64.8	108	0.0	0.0	121.8	8.7	69.8	305.6	
Alfalfa /	31hay (4047-31)	5.31					51.5	64.5	47.3	193	64.8	108	0.0	0.0	121.8	8.7	69.8	305.6	
CRP /	37crp (4047-37)	0					7.1	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	37crp (4047-37) (A)	2.85					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
Pasture MM /	54graze (4047-54)	6.92					28.5	23.4	117.2	90	27	112.5	0.0	0.0	225.0	5.3	68.0	362.1	
Pasture MM /	56graze (4047-56)	1.93					33.8	23.4	117.2	90	27	112.5	0.0	0.0	225.0	5.3	68.0	362.1	
CRP /	70crp (4047-70)	0					5.3	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
CRP /	70crp (4047-70) (A)	6.98					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	63.3	237.5	
/ Corn	71com (4047-71)	3.56					51.1	74.3	54.4	206.4	73.96	48.16	155.0	0.0	0.0	10.0	442.5	437.2	
/ Corn	72com (4047-72)	1.47					59.4	74.3	54.4	206.4	73.96	48.16	147.6	0.0	0.0	10.0	442.5	437.2	
Alfalfa /	73hay (4047-73)	1.11					35.9	64.3	28.2	193	64.8	108	0.0	0.0	159.6	7.1	69.8	329.5	
/ Corn	74com (4047-74)	10.25					59.8	74.3	54.4	206.4	73.96	48.16	146.8	0.0	0.0	10.0	525.5	1019.2	
/ Corn	74com (4047-74) (A)	2.72					8.3	0.0	0.0	206.4	73.96	48.16	168.9	0.0	48.0	0.0	483.9	1021.8	
/ Corn	75com (4047-75)	44.68					47.1	68.4	50.1	206.4	73.96	48.16	155.0	0.0	0.0	9.1	476.3	911.5	
/ Corn	75com (4047-75) (A)	3.37					7.4	0.0	0.0	206.4	73.96	48.16	168.9	0.0	48.0	0.0	438.8	919.4	
/ Corn	77com (4047-77)	32.32					32.5	75.7	33.2	206.4	73.96	48.16	174.7	0.0	0.0	8.3	507.4	649.5	
/ Corn	80com (4047-80A)	22.48					42.5	75.7	33.2	206.4	73.96	48.16	164.8	0.0	0.0	8.3	385.9	416.2	
Alfalfa /	80hay (4047-80B)	11.62					37.6	64.3	28.2	193	64.8	108	0.0	0.0	159.6	7.1	385.1	453.8	
/ Corn	81com (4047-81A)	22.2					59.8	74.3	54.4	206.4	73.96	48.16	146.8	0.0	0.0	11.2	319.5	346.0	
Alfalfa /	81hay (4047-81B)	17.83					55.6	64.5	47.3	193	64.8	108	0.0	0.0	121.2	8.7	319.1	343.6	
/ Corn	82com (4047-82A)	43.89					58.2	74.3	54.4	206.4	73.96	48.16	148.4	0.0	0.0	10.0	375.1	376.9	
Alfalfa /	82hay (4047-82B)	50.18																	

CROP YEAR		2014																	
		SOIL TEST RESULTS				AVAILABLE FROM MANURE (INCLUDES MANURE CREDITS)				NEEDED BY CROP (INCLUDES CROP CREDITS)				COMMERCIAL		SOIL BALANCE			
CROP	FIELD #	ACRES	% OM	P	K	PH	PAN	P205	K20	PAN	P205	K20	N	P205	K20	ORG N	P	K	
/ Corn	1A (T4047-1A)	15.24					39.6	75.7	33.2	206.4	73.96	48.16	168.1	0.0	94.8	7.1	130.4	149.9	
/ Corn	1B (T4047-1B)	3					39.6	75.7	33.2	206.4	73.96	48.16	168.1	0.0	94.8	7.1	130.4	149.9	
/ Alfalfa	1C (T4047-1C)	1.02					34.7	64.3	28.2	193	64.8	108	0.0	0.0	159.6	7.1	129.0	143.8	
CRP /	2crp (T4047-2)	0					8.7	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	2crp (T4047-2) (A)	8.15					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	3crp (T4047-3)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	3crp (T4047-3) (A)	5.58					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	4crp (T4047-4)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	4crp (T4047-4) (A)	6.21					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	5crp (T4047-5)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	5crp (T4047-5) (A)	7.21					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	7crp (T4074-7)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	7crp (T4074-7) (A)	3.84					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
Pasture MM /	8graze (T4047-8)	17.63					34.2	28.1	140.6	90	27	112.5	0.0	0.0	0.0	6.3	70.7	342.2	
Pasture MM /	9graze (T4047-9)	19.51					40.5	28.1	140.6	90	27	112.5	0.0	0.0	0.0	6.3	70.7	342.2	
/ Corn	10corn (4047-10)	59.14					38.8	75.7	33.2	206.4	73.96	48.16	155.0	0.0	0.0	7.1	502.4	658.4	
/ Corn	10corn (4047-10) (A)	2.18					7.1	0.0	0.0	206.4	73.96	48.16	197.9	74.1	48.0	0.0	61.8	287.8	
CRP /	11crp (4047-11)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	11crp (4047-11) (A)	4.47					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
Pasture MM /	12graze (4047-12)	40.78					34.2	28.1	140.6	90	27	112.5	0.0	0.0	0.0	6.3	70.7	342.2	
/ Corn	13corn (4047-13)	11.3					57.4	74.3	54.4	206.4	73.96	48.16	155.0	0.0	0.0	10.0	82.7	131.5	
CRP /	14crp (4047-14)	0					8.3	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	14crp (4047-14) (A)	6.3					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
/ Corn	15corn (4047-15)	6.85					32.5	75.7	33.2	206.4	73.96	48.16	174.7	0.0	94.8	7.1	523.1	935.2	
/ Corn	15corn (4047-15) (A)	4.6					7.1	0.0	0.0	206.4	73.96	48.16	169.7	0.0	48.0	0.0	472.7	921.8	
/ Corn	16corn (4047-16)	14.59					51.1	74.3	54.4	206.4	73.96	48.16	155.0	0.0	0.0	10.0	82.0	140.8	
CRP /	17crp (4047-17)	0					8.3	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	17crp (4047-17) (A)	5.03					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
Alfalfa /	18hay (4047-18)	35.41					44.4	64.5	47.3	193	64.8	108	0.0	0.0	121.2	8.7	69.7	344.6	
Alfalfa /	19hay (4047-19)	20.45					51.5	64.5	47.3	193	64.8	108	0.0	0.0	121.2	8.7	69.7	344.6	
/ Corn	20corn (4047-20)	6.94					39.6	75.7	33.2	206.4	73.96	48.16	167.3	0.0	94.8	8.3	70.7	317.2	
Alfalfa /	21hay (4047-21)	2.73					54.4	64.5	47.3	193	64.8	108	0.0	0.0	121.2	8.7	69.7	344.6	
/ Corn	22corn (4047-22)	10.6					39.6	75.7	33.2	206.4	73.96	48.16	167.3	0.0	94.8	8.3	550.7	914.2	
CRP /	23crp (4047-23)	0					10.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	23crp (4047-23) (A)	6.42					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
Pasture MM /	24graze (4047-24)	23.67					28.5	23.4	117.2	90	27	112.5	0.0	0.0	0.0	5.3	67.6	307.0	
CRP /	25crp (4047-25)	0					5.3	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	25crp (4047-25) (A)	1.99					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	26crp (4047-26)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	26crp (4047-26) (A)	8.94					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	27crp (4047-27)	0					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	27crp (4047-27) (A)	3.96					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
Alfalfa /	28hay (4047-28)	7.45					27.6	64.3	28.2	193	64.8	108	0.0	0.0	159.6	7.1	69.7	325.4	
Alfalfa /	29hay (4047-29)	1.06					36.3	64.3	28.2	193	64.8	108	0.0	0.0	159.6	7.1	69.7	325.6	
Alfalfa /	31hay (4047-31)	5.31					36.3	64.3	28.2	193	64.8	108	0.0	0.0	159.6	7.1	69.7	325.6	
CRP /	37crp (4047-37)	0					8.7	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	37crp (4047-37) (A)	2.85					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
Pasture MM /	54graze (4047-54)	6.92					28.5	23.4	117.2	90	27	112.5	0.0	0.0	0.0	5.3	67.6	363.3	
Pasture MM /	56graze (4047-56)	1.93					33.8	23.4	117.2	90	27	112.5	0.0	0.0	0.0	5.3	67.6	363.3	
CRP /	70crp (4047-70)	0					5.3	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
CRP /	70crp (4047-70) (A)	6.98					0.0	0.0	0.0	40	12	50	0.0	0.0	0.0	0.0	62.0	225.0	
/ Corn	71corn (4047-71)	3.56					32.5	75.7	33.2	206.4	73.96	48.16	174.7	0.0	94.8	8.3	442.7	457.2	
/ Corn	72corn (4047-72)	1.47					42.5	75.7	33.2	206.4	73.96	48.16	165.6	0.0	0.0	8.3	442.7	433.5	
Alfalfa /	73hay (4047-73)	1.11					54.4	64.5	47.3	193	64.8	108	0.0	0.0	121.2	8.7	69.7	344.6	
/ Corn	74corn (4047-74)	10.25					39.6	75.7	33.2	206.4	73.96	48.16	167.3	0.0	0.0	8.3	525.7	1015.5	
/ Corn	74corn (4047-74) (A)	2.72					10.0	0.0	0.0	206.4	73.96	48.16	167.3	0.0	48.0	0.0	475.7	1021.8	
/ Corn	75corn (4047-75)	44.68					28.4	66.2	29.0	206.4	73.96	48.16	174.7	0.0	0.0	7.4	475.5	906.7	
/ Corn	75corn (4047-75) (A)	3.37					9.1	0.0	0.0	206.4	73.96	48.16	167.3	0.0	48.0	0.0	430.6	919.4	
/ Corn	77corn (4047-77)	32.32					51.1	74.3	54.4	206.4	73.96	48.16	155.0	0.0	0.0	10.0	507.5	651.1	
/ Corn	80corn (4047-80A)	22.48					59.4	74.3	54.4	206.4	73.96	48.16	147.6	0.0	0.0	10.0	386.0	417.8	
Alfalfa /	80hay (4047-80B)	11.62					52.7	64.5	47.3	193	64.8	108	0.0	0.0	121.2	8.7	385.0	468.9	
/ Corn	81corn (4047-81A)	22.2					58.2	74.3	54.4	206.4	73.96	48.16	148.4	0.0	0.0	11.2	319.5	347.6	
Alfalfa /	81hay (4047-81B)	17.83					38.8	64.3	28.2	193	64.8	108	0.0	0.0	159.6	7.1	319.0	363.6	
/ Corn	82corn (4047-82A)	43.89					41.1	75.7	33.2	206.4	73.96	48.16	166.5	0.0	0.0	8.3	375.3	373.2	
Alfalfa /	82																		

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	2009	Rotation End Year	2014	Years in Rotation			6	
Note: After soils reach 150 ppm (300 lbs/acre), nutrient management plan will need to be revised.								
Field	P _i At Start lb/Acre	K At Start lb/Acre	P Balance @ End of Rotation	Average P1 soil change for Rotation	K Balance @ End of Rotation	Average K soil change for Rotation	Years To Reach 300 lbs/Ac P1	Average Annual change in P1
1A (T4047-1A)	129.3	148.7	130.4	1.1	149.9	1.2	INF	0.2
1B (T4047-1B)	129.3	148.7	130.4	1.1	149.9	1.2	INF	0.2
1C (T4047-1C)	129.3	148.7	129.0	-0.3	143.8	-4.9	#	0.0
2crp (T4047-2)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
2crp (T4047-2) (A)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
3crp (T4047-3)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
3crp (T4047-3) (A)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
4crp (T4047-4)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
4crp (T4047-4) (A)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
5crp (T4047-5)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
5crp (T4047-5) (A)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
7crp (T4074-7)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
7crp (T4074-7) (A)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
8graze (T4047-8)	70.0	300.0	70.7	0.7	342.2	42.2	INF	0.1
9graze (T4047-9)	70.0	300.0	70.7	0.7	342.2	42.2	INF	0.1
10corn (4047-10)	501.3	680.9	502.4	1.1	658.4	-22.5	INF	0.2
10corn (4047-10) (A)	70.0	300.0	61.8	-8.2	287.8	-12.2	#	-1.4
11crp (4047-11)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
11crp (4047-11) (A)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
12graze (4047-12)	70.0	300.0	70.7	0.7	342.2	42.2	INF	0.1
13corn (4047-13)	82.0	138.0	82.7	0.7	131.5	-6.5	INF	0.1
14crp (4047-14)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
14crp (4047-14) (A)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
15corn (4047-15)	522.0	934.0	523.1	1.1	935.2	1.2	INF	0.2
15corn (4047-15) (A)	522.0	934.0	472.7	-49.3	921.8	-12.2	#	-8.2
16corn (4047-16)	81.3	147.3	82.0	0.7	140.8	-6.5	INF	0.1
17crp (4047-17)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
17crp (4047-17) (A)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
18hay (4047-18)	70.0	300.0	69.7	-0.3	344.6	44.6	#	0.0
19hay (4047-19)	70.0	300.0	69.7	-0.3	344.6	44.6	#	0.0
20corn (4047-20)	70.0	300.0	70.7	0.7	317.2	17.2	INF	0.1
21hay (4047-21)	70.0	300.0	69.7	-0.3	344.6	44.6	#	0.0
22corn (4047-22)	550.0	897.0	550.7	0.7	914.2	17.2	INF	0.1
23crp (4047-23)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
23crp (4047-23) (A)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
24graze (4047-24)	70.0	300.0	67.6	-2.4	307.0	7.0	#	-0.4
25crp (4047-25)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
25crp (4047-25) (A)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
26crp (4047-26)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
26crp (4047-26) (A)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
27crp (4047-27)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
27crp (4047-27) (A)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
28hay (4047-28)	70.0	300.0	69.7	-0.3	325.4	25.4	#	0.0
29hay (4047-29)	70.0	300.0	69.7	-0.3	325.6	25.6	#	0.0
31hay (4047-31)	70.0	300.0	69.7	-0.3	325.6	25.6	#	0.0
37crp (4047-37)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
37crp (4047-37) (A)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
54graze (4047-54)	70.0	300.0	67.6	-2.4	363.3	63.3	#	-0.4
56graze (4047-56)	70.0	300.0	67.6	-2.4	363.3	63.3	#	-0.4
70crp (4047-70)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
70crp (4047-70) (A)	70.0	300.0	62.0	-8.0	225.0	-75.0	#	-1.3
71corn (4047-71)	442.00	440.00	442.68	0.68	457.16	17.16	INF	0.11
72corn (4047-72)	442.00	440.00	442.68	0.68	433.46	-6.54	INF	0.11
73hay (4047-73)	70.00	300.00	69.74	-0.26	344.60	44.60	#	-0.04
74corn (4047-74)	525.00	1022.00	525.68	0.68	1015.46	-6.54	INF	0.11
74corn (4047-74) (A)	525.00	1022.00	475.69	-49.31	1021.76	-0.24	#	-8.22
75corn (4047-75)	479.90	919.60	475.47	-4.43	906.73	-12.87	#	-0.74
75corn (4047-75) (A)	479.90	919.60	430.59	-49.31	919.36	-0.24	#	-8.22
77corn (4047-77)	506.80	657.60	507.48	0.68	651.06	-6.54	INF	0.11
80corn (4047-80A)	385.30	424.30	385.98	0.68	417.76	-6.54	INF	0.11
80hay (4047-80B)	385.30	424.30	385.04	-0.26	468.90	44.60	#	-0.04
81corn (4047-81A)	319.30	338.20	319.51	0.21	347.60	9.40	INF	0.04
81hay (4047-81B)	319.30	338.20	319.04	-0.26	363.60	25.40	#	-0.04
82corn (4047-82A)	374.60	379.70	375.28	0.68	373.16	-6.54	INF	0.11
82hay (4047-82B)	374.60	379.70	374.34	-0.26	424.30	44.60	#	-0.04
89corn (4047-89A)	177.60	269.60	178.28	0.68	263.06	-6.54	INF	0.11
89hay (4047-89B)	177.60	269.60	179.03	1.43	277.95	8.35	INF	0.24
90hay (4047-90)	70.00	300.00	69.74	-0.26	325.55	25.55	#	-0.04
91ww (4047-91)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
91ww (4047-91) (A)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
92ww (4047-92)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
92ww (4047-92) (A)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33

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 Positive P1 trend that will take more than 300 yrs to exceed 150 ppm.

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	2009	Rotation End Year	2014	Years in Rotation			6	
Note: After soils reach 150 ppm (300 lbs/acre), nutrient management plan will need to be revised.								
Field	P ₁ At Start lb/Acre	K At Start lb/Acre	P Balance @ End of Rotation	Average P1 soil change for Rotation	K Balance @ End of Rotation	Average K soil change for Rotation	Years To Reach 300 lbs/Ac P1	Average Annual change in P1
93ww (4047-93)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
93ww (4047-93) (A)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
94ww (4047-94)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
94ww (4047-94) (A)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
95ww (4047-95)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
95ww (4047-95) (A)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
96ww (4047-96)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
96ww (4047-96) (A)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
97ww (4047-97)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
97ww (4047-97) (A)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
98ww (4047-98)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
98ww (4047-98) (A)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
99ww (4047-99)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
99ww (4047-99) (A)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
100ww (4047-100)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
100ww (4047-100) (A)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
101ww (4047-101)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
101ww (4047-101) (A)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
102ww (4047-102)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
102ww (4047-102) (A)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
103ww (4047-103)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
103ww (4047-103) (A)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
104ww (4047-104)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
104ww (4047-104) (A)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
105ww (4047-105)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
105ww (4047-105) (A)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
107ww (4047-107)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
107ww (4047-107) (A)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
108corn (4047-108)	440.70	539.50	441.38	0.68	532.96	-6.54	INF	0.11
115crp (4047-115)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
115crp (4047-115) (A)	70.00	300.00	62.00	-8.00	225.00	-75.00	#	-1.33
9hay (3605-9)	70.00	300.00	69.74	-0.26	285.50	-14.50	#	-0.04
12hay (3605-12)	70.00	300.00	69.74	-0.26	314.30	14.30	#	-0.04
8hay (3608-8)	70.00	300.00	69.74	-0.26	285.50	-14.50	#	-0.04
14hay (3608-14)	70.00	300.00	69.74	-0.26	285.50	-14.50	#	-0.04

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 Positive P1 trend that will take more than 300 yrs to exceed 150 ppm.