MANURE NUTRIENT ANALYSIS REPORT

AgSource Laboratories
A Subsidiary of Cooperative Resources International

AGSOURCE LABORATORIES
106 N. CECIL STREET
BONDUEL, WI 54107
PHONE (715)758-2178 FAX (715)758-2620

ANALYSIS FOR: Ex. 6 Personal Privacy (PP) Produce Farm
DATE PROCESSED: 01/29/2015
ACCT: 1303 DATE SAMPLED: 01/23/14
SAMPLE NUMBER: 27694
MATERIAL: Dairy
STORAGE SYSTEM: SOLID
SAMPLE ID: Solids B - 1-23-14 Raw Manure

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 73.22

MOISTURE, % 26.78

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/ton	In 1st Year of Application lbs/ton	If Applied 2 Consecutive Yrs lbs/ton	If Applied 3 Consecutive Yrs lbs/ton
Nitrogen: (> 72h or Not Inc)	1.80	0.45	0.18	0.09
Nitrogen: (Inc in 1 to 72h)	1.80	0.54	0.18	0.09
Nitrogen: (Inc within 1h or Inj)	1.80	0.63	0.18	0.09
Phosphorus as P_2O_5	1.68	1.34	0.00	0.00
Potassium as K_2O	1.76	1.41	0.00	0.00
Sulfur	0.59	0.32	0.06	0.03
Estimated Value of Available Nutrients		$1.88	$0.12	$0.06

MINOR ELEMENTS *3

Calcium:	N/R	Zinc:	N/R	NH4-N: 0.40 lbs/ton
Magnesium:	N/R	Manganese:	N/R	NO3-N: 0.02 lbs/ton
Copper:	N/R	Sodium:	N/R	
Iron:	N/R			

COMMENTS:

**1 Applications of manure on the same field for 2 consecutive years increases the availability of N and S by 10%, and for 3 or more consecutive years by 15%. There is zero availability on P and K for 2 or more consecutive years.
Availability of N changes depending on application technique.
Injection or incorporation within 3 days of application results in higher N availability.

*2 Value based on commercial fertilizer costs as of 10/01/2014.
N (Urea) $0.57/lb, P2O5 (Triple Superphosphate) $0.67/lb, K2O (Potash) $0.37/lb,
S (Elemental Sulfur) $0.33/lb.

*3 If minor elements are requested, they are reported on a 'dry matter' basis.
If ammonia, nitrate or pH are requested, they are reported on an 'as is' basis.

**References: Nutrient application guidelines for field, vegetable, and fruit crops in Wisconsin (A2809), Table 9.1

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ANALYSIS FOR: Ex. 6 Personal Privacy (PP) Produce Farm
DATE PROCESSED: 01/29/2015
ACCT: 1303 DATE SAMPLED: 01/23/14
SAMPLE NUMBER: 27693
MATERIAL: Dairy
STORAGE SYSTEM: SOLID
SAMPLE ID: Solids A 1-23-14

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 27.38

MOISTURE, % 72.62

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/ton	In 1st Year of Application lbs/ton	If Applied 2 Consecutive Yrs lbs/ton	If Applied 3 Consecutive Yrs lbs/ton
Nitrogen: (> 72h or Not Inc)	7.40	1.85	0.74	0.37
Nitrogen: (Inc in 1 to 72h)	7.40	2.22	0.74	0.37
Nitrogen: (Inc within 1h or Inj)	7.40	2.59	0.74	0.37
Phosphorus as P_2O_5	4.77	3.81	0.00	0.00
Potassium as K_2O	6.44	5.15	0.00	0.00
Sulfur	1.37	0.75	0.14	0.07
Estimated Value of Available Nutrients		$6.19	$0.47	$0.23

MINOR ELEMENTS *3

Calcium:	N/R	Zinc:	N/R
Magnesium:	N/R	Manganese:	N/R
Copper:	N/R	Sodium:	N/R
Iron:	N/R		

NH4-N: 2.40 lbs/ton

NO3-N: 0.04 lbs/ton

COMMENTS:

**1 Applications of manure on the same field for 2 consecutive years increases the availability of N and S by 10%, and for 3 or more consecutive years by 15%. There is zero availability on P and K for 2 or more consecutive years.
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PHONE (715)758-2178 FAX (715)758-2620

ANALYSIS FOR: Ex. 6 Personal Privacy (PP) Produce Farm
DATE PROCESSED: 02/13/2015
ACCT: 1303 DATE SAMPLED: 02/10/15
SAMPLE NUMBER: 27785
MATERIAL: Dairy
STORAGE SYSTEM: SOLID
SAMPLE ID: Straw

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 60.69

MOISTURE, % 39.31

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/ton	In 1st Year of Application lbs/ton	If Applied 2 Consecutive Yrs lbs/ton	If Applied 3 Consecutive Yrs lbs/ton
Nitrogen: (> 72h or Not Inc)	6.00	1.50	0.60	0.30
Nitrogen: (Inc in 1 to 72h)	6.00	1.80	0.60	0.30
Nitrogen: (Inc within 1h or Inj)	6.00	2.10	0.60	0.30
Phosphorus as P_2O_5	1.11	0.89	0.00	0.00
Potassium as K_2O	10.34	8.27	0.00	0.00
Sulfur	1.70	0.93	0.17	0.08
Estimated Value of Available Nutrients		$5.16	$0.40	$0.20

MINOR ELEMENTS *3

Calcium:	N/R	Zinc:	N/R
Magnesium:	N/R	Manganese:	N/R
Copper:	N/R	Sodium:	N/R
Iron:	N/R		

COMMENTS:

**1 Applications of manure on the same field for 2 consecutive years increases the availability of N and S by 10%, and for 3 or more consecutive years by 15%. There is zero availability on P and K for 2 or more consecutive years.
Availability of N changes depending on application technique.
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S (Elemental Sulfur) $0.33/lb.

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If ammonia, nitrate or pH are requested, they are reported on an 'as is' basis.

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ANALYSIS FOR: Ex. 6 Personal Privacy (PP) Produce Farm
DATE PROCESSED: 04/15/2015
ACCT: 1303 DATE SAMPLED: 04/08/15
SAMPLE NUMBER: 28108
MATERIAL: Dairy
STORAGE SYSTEM: SEMI-SOLID
SAMPLE ID: 4-8-15B

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 19.68

MOISTURE, % 80.32

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/ton	In 1st Year of Application lbs/ton	If Applied 2 Consecutive Yrs lbs/ton	If Applied 3 Consecutive Yrs lbs/ton
Nitrogen: (> 72h or Not Inc)	9.60	2.40	0.96	0.48
Nitrogen: (Inc in 1 to 72h)	9.60	2.88	0.96	0.48
Nitrogen: (Inc within 1h or Inj)	9.60	3.36	0.96	0.48
Phosphorus as P_2O_5	3.06	2.45	0.00	0.00
Potassium as K_2O	4.53	3.63	0.00	0.00
Sulfur	1.77	0.97	0.18	0.09
Estimated Value of Available Nutrients		$5.22	$0.61	$0.30

MINOR ELEMENTS *3

Calcium:	0.98%	Zinc:	154 ppm
Magnesium:	0.45%	Manganese:	110 ppm
Copper:	312 ppm	Sodium:	0.39%
Iron:	651 ppm		

NH4-N: 3 lbs/ton
NO3-N: 0.02 lbs/ton

COMMENTS:

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Availability of N changes depending on application technique.
Injection or incorporation within 3 days of application results in higher N availability.

2 Value based on commercial fertilizer costs as of 10/01/2014.
N (Urea)$0.57/lb, P2O5 (Triple Superphosphate)$0.67/lb, K2O (Potash)$0.37/lb,
S (Elemental Sulfur)$0.33/lb.

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If ammonia, nitrate or pH are requested, they are reported on an 'as is' basis.

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ANALYSIS FOR: Ex. 6 Personal Privacy (PP) Produce Farm
DATE PROCESSED: 04/15/2015
ACCT: 1303 DATE SAMPLED: 04/08/15
SAMPLE NUMBER: 28107
MATERIAL: Dairy
STORAGE SYSTEM: LIQUID
SAMPLE ID: 4-8-15A

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 1.20

MOISTURE, % 98.80

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/1000 gal	In 1st Year of Application lbs/1000 gal	If Applied 2 Consecutive Yrs lbs/1000 gal	If Applied 3 Consecutive Yrs lbs/1000 gal
Nitrogen: (> 72h or Not Inc)	12.45	3.74	1.25	0.62
Nitrogen: (Inc in 1 to 72h)	12.45	4.98	1.25	0.62
Nitrogen: (Inc within 1h or Inj)	12.45	6.23	1.25	0.62
Phosphorus as P_2O_5	2.12	1.70	0.00	0.00
Potassium as K_2O	10.41	8.33	0.00	0.00
Sulfur	0.86	0.47	0.09	0.04
Estimated Value of Available Nutrients		$7.92	$0.74	$0.37

MINOR ELEMENTS *3

Calcium:	2.65%	Zinc:	396 ppm
Magnesium:	1.70%	Manganese:	367 ppm
Copper:	1058 ppm	Sodium:	3.54%
Iron:	1263 ppm		

NH4-N: 8.34 lbs/1000 gal

NO3-N: 0.08 lbs/1000 gal

COMMENTS:

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S (Elemental Sulfur) $0.33/lb.

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ANALYSIS FOR: Ex. 6 Personal Privacy (PP) Produce Farm
DATE PROCESSED: 05/06/2015
ACCT: 1303 DATE SAMPLED: 04/29/2015
SAMPLE NUMBER: 28434
MATERIAL: Dairy
STORAGE SYSTEM: SOLID
SAMPLE ID: B 4-29-15

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 20.35

MOISTURE, % 79.65

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/ton	In 1st Year of Application lbs/ton	If Applied 2 Consecutive Yrs lbs/ton	If Applied 3 Consecutive Yrs lbs/ton
Nitrogen: (> 72h or Not Inc)	9.60	2.40	0.96	0.48
Nitrogen: (Inc in 1 to 72h)	9.60	2.88	0.96	0.48
Nitrogen: (Inc within 1h or Inj)	9.60	3.36	0.96	0.48
Phosphorus as P_2O_5	3.63	2.91	0.00	0.00
Potassium as K_2O	4.69	3.75	0.00	0.00
Sulfur	1.51	0.83	0.15	0.08
Estimated Value of Available Nutrients		$5.52	$0.60	$0.30

MINOR ELEMENTS *3

Calcium:	N/R	Zinc:	N/R
Magnesium:	N/R	Manganese:	N/R
Copper:	N/R	Sodium:	N/R
Iron:	N/R		

NH4-N: 2.20 lbs/ton
NO3-N: 0.04 lbs/ton

COMMENTS:

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ANALYSIS FOR: Ex. 6 Personal Privacy (PP) Produce Farm
DATE PROCESSED: 05/06/2015
ACCT: 1303 DATE SAMPLED: 04/29/2015
SAMPLE NUMBER: 28433
MATERIAL: Dairy
STORAGE SYSTEM: LIQUID
SAMPLE ID: A 4-29-15

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 1.77

MOISTURE, % 98.23

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/1000 gal	In 1st Year of Application lbs/1000 gal	If Applied 2 Consecutive Yrs lbs/1000 gal	If Applied 3 Consecutive Yrs lbs/1000 gal
Nitrogen: (> 72h or Not Inc)	14.11	4.23	1.41	0.71
Nitrogen: (Inc in 1 to 72h)	14.11	5.64	1.41	0.71
Nitrogen: (Inc within 1h or Inj)	14.11	7.06	1.41	0.71
Phosphorus as P_2O_5	3.30	2.64	0.00	0.00
Potassium as K_2O	16.48	13.19	0.00	0.00
Sulfur	1.15	0.63	0.11	0.06
Estimated Value of Available Nutrients		$10.88	$0.84	$0.42

MINOR ELEMENTS *3

Calcium:	N/R	Zinc:	N/R
Magnesium:	N/R	Manganese:	N/R
Copper:	N/R	Sodium:	N/R
Iron:	N/R		

NH4-N: 8.34 lbs/1000 gal
NO3-N: 0.17 lbs/1000 gal

COMMENTS:

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ANALYSIS FOR: Ex. 6 Personal Privacy (PP) Produce Farm
DATE PROCESSED: 05/22/2015
ACCT: 1303 DATE SAMPLED: 05/04/2015
CENTRAL SANDS DAIRY SAMPLE NUMBER: 28619
N15927 CTY G MATERIAL: Dairy
NEKOOSA, WI 54457 STORAGE SYSTEM: LIQUID
SAMPLE ID: A 5-4-15

DRY MATTER, % 2.87

MOISTURE, % 97.13

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/1000 gal	In 1st Year of Application lbs/1000 gal	If Applied 2 Consecutive Yrs lbs/1000 gal	If Applied 3 Consecutive Yrs lbs/1000 gal
Nitrogen: (> 72h or Not Inc)	18.26	5.48	1.83	0.91
Nitrogen: (Inc in 1 to 72h)	18.26	7.30	1.83	0.91
Nitrogen: (Inc within 1h or Inj)	18.26	9.13	1.83	0.91
Phosphorus as P_2O_5	24.17	19.33	0.00	0.00
Potassium as K_2O	18.92	15.14	0.00	0.00
Sulfur	1.83	1.01	0.18	0.09
Estimated Value of Available Nutrients		$24.09	$1.10	$0.55

MINOR ELEMENTS *3

Calcium:	N/R	Zinc:	N/R
Magnesium:	N/R	Manganese:	N/R
Copper:	N/R	Sodium:	N/R
Iron:	N/R		

NH4-N: 9.17 lbs/1000 gal

NO3-N: 0.25 lbs/1000 gal

COMMENTS:

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S (Elemental Sulfur) $0.33/lb.

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ANALYSIS FOR: Ex. 6 Personal Privacy (PP) Produce Farms
DATE PROCESSED: 05/22/2015
ACCT: 1303 DATE SAMPLED: 05/18/2015
SAMPLE NUMBER: 28620
MATERIAL: Dairy
STORAGE SYSTEM: LIQUID
SAMPLE ID: B 5-18-15

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 1.74

MOISTURE, % 98.26

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/1000 gal	In 1st Year of Application lbs/1000 gal	If Applied 2 Consecutive Yrs lbs/1000 gal	If Applied 3 Consecutive Yrs lbs/1000 gal
Nitrogen: (> 72h or Not Inc)	14.94	4.48	1.49	0.75
Nitrogen: (Inc in 1 to 72h)	14.94	5.98	1.49	0.75
Nitrogen: (Inc within 1h or Inj)	14.94	7.47	1.49	0.75
Phosphorus as P_2O_5	3.47	2.78	0.00	0.00
Potassium as K_2O	18.21	14.57	0.00	0.00
Sulfur	1.76	0.97	0.18	0.09
Estimated Value of Available Nutrients		$11.83	$0.91	$0.45

MINOR ELEMENTS *3

Calcium:	N/R	Zinc:	N/R
Magnesium:	N/R	Manganese:	N/R
Copper:	N/R	Sodium:	N/R
Iron:	N/R		

NH4-N: 8.34 lbs/1000 gal
NO3-N: 0.17 lbs/1000 gal

COMMENTS:

**1 Applications of manure on the same field for 2 consecutive years increases the availability of N and S by 10%, and for 3 or more consecutive years by 15%. There is zero availability on P and K for 2 or more consecutive years.
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ANALYSIS FOR: Ex. 6 Personal Privacy (PP) Produce Farm
DATE PROCESSED: 07/02/2015
ACCT: 1303 DATE SAMPLED: 06/15/15
SAMPLE NUMBER: 28879
MATERIAL: Dairy
STORAGE SYSTEM: LIQUID
SAMPLE ID: A 06-16-15

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 1.32

MOISTURE, % 98.68

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/1000 gal	In 1st Year of Application lbs/1000 gal	If Applied 2 Consecutive Yrs lbs/1000 gal	If Applied 3 Consecutive Yrs lbs/1000 gal
Nitrogen: (> 72h or Not Inc)	7.47	2.24	0.75	0.37
Nitrogen: (Inc in 1 to 72h)	7.47	2.99	0.75	0.37
Nitrogen: (Inc within 1h or Inj)	7.47	3.74	0.75	0.37
Phosphorus as P_2O_5	2.51	2.01	0.00	0.00
Potassium as K_2O	13.27	10.61	0.00	0.00
Sulfur	0.82	0.45	0.08	0.04
Estimated Value of Available Nutrients		$7.55	$0.45	$0.23

MINOR ELEMENTS *3

Calcium:	N/R	Zinc:	N/R
Magnesium:	N/R	Manganese:	N/R
Copper:	N/R	Sodium:	N/R
Iron:	N/R		

NH4-N: 6.67 lbs/1000 gal
NO3-N: 0.17 lbs/1000 gal

COMMENTS:

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S (Elemental Sulfur) $0.33/lb.

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ANALYSIS FOR: Ex. 6 Personal Privacy (PP) Produce Farm
DATE PROCESSED: 07/02/2015
ACCT: 1303 DATE SAMPLED: 06/22/15
SAMPLE NUMBER: 28880
MATERIAL: Dairy
STORAGE SYSTEM: LIQUID
SAMPLE ID: B 06-22-15

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 2.53

MOISTURE, % 97.47

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/1000 gal	In 1st Year of Application lbs/1000 gal	If Applied 2 Consecutive Yrs lbs/1000 gal	If Applied 3 Consecutive Yrs lbs/1000 gal
Nitrogen: (> 72h or Not Inc)	14.11	4.23	1.41	0.71
Nitrogen: (Inc in 1 to 72h)	14.11	5.64	1.41	0.71
Nitrogen: (Inc within 1h or Inj)	14.11	7.06	1.41	0.71
Phosphorus as P_2O_5	7.31	5.85	0.00	0.00
Potassium as K_2O	16.38	13.10	0.00	0.00
Sulfur	1.51	0.83	0.15	0.08
Estimated Value of Available Nutrients		$13.06	$0.85	$0.43

MINOR ELEMENTS *3

Calcium:	N/R	Zinc:	N/R
Magnesium:	N/R	Manganese:	N/R
Copper:	N/R	Sodium:	N/R
Iron:	N/R		

NH4-N: 10.84 lbs/1000 gal

NO3-N: 0.17 lbs/1000 gal

COMMENTS:

**1 Applications of manure on the same field for 2 consecutive years increases the availability of N and S by 10%, and for 3 or more consecutive years by 15%. There is zero availability on P and K for 2 or more consecutive years.
Availability of N changes depending on application technique.
Injection or incorporation within 3 days of application results in higher N availability.

*2 Value based on commercial fertilizer costs as of 10/01/2014.
N (Urea) $0.57/lb, P2O5 (Triple Superphosphate) $0.67/lb, K2O (Potash) $0.37/lb,
S (Elemental Sulfur) $0.33/lb.

*3 If minor elements are requested, they are reported on a 'dry matter' basis.
If ammonia, nitrate or pH are requested, they are reported on an 'as is' basis.

**References: Nutrient application guidelines for field, vegetable, and fruit crops in Wisconsin (A2809), Table 9.1

MANURE NUTRIENT ANALYSIS REPORT

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AGSOURCE LABORATORIES
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PHONE (715)758-2178 FAX (715)758-2620

ANALYSIS FOR: WPF
DATE PROCESSED: 07/20/2015
ACCT: 1303 DATE SAMPLED: 07/14/15
SAMPLE NUMBER: 29007
MATERIAL: Dairy
STORAGE SYSTEM: LIQUID
SAMPLE ID: 07-14-15 Pit

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 1.05

MOISTURE, % 98.95

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/1000 gal	In 1st Year of Application lbs/1000 gal	If Applied 2 Consecutive Yrs lbs/1000 gal	If Applied 3 Consecutive Yrs lbs/1000 gal
Nitrogen: (> 72h or Not Inc)	6.64	1.99	0.66	0.33
Nitrogen: (Inc in 1 to 72h)	6.64	2.66	0.66	0.33
Nitrogen: (Inc within 1h or Inj)	6.64	3.32	0.66	0.33
Phosphorus as P_2O_5	1.94	1.55	0.00	0.00
Potassium as K_2O	9.59	7.67	0.00	0.00
Sulfur	0.68	0.37	0.07	0.03
Estimated Value of Available Nutrients		$5.89	$0.40	$0.20

MINOR ELEMENTS *3

Calcium:	N/R	Zinc:	N/R
Magnesium:	N/R	Manganese:	N/R
Copper:	N/R	Sodium:	N/R
Iron:	N/R		

NH4-N: 15.01 lbs/1000 gal
NO3-N: 0.17 lbs/1000 gal

COMMENTS:

**1 Applications of manure on the same field for 2 consecutive years increases the availability of N and S by 10%, and for 3 or more consecutive years by 15%. There is zero availability on P and K for 2 or more consecutive years.
Availability of N changes depending on application technique.
Injection or incorporation within 3 days of application results in higher N availability.

2 Value based on commercial fertilizer costs as of 10/01/2014.
N (Urea) $0.57/lb, P2O5 (Triple Superphosphate) $0.67/lb, K2O (Potash) $0.37/lb,
S (Elemental Sulfur) $0.33/lb.

*3 If minor elements are requested, they are reported on a 'dry matter' basis.
If ammonia, nitrate or pH are requested, they are reported on an 'as is' basis.

**References: Nutrient application guidelines for field, vegetable, and fruit crops in Wisconsin (A2809), Table 9.1

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ANALYSIS FOR: Ex. 6 Personal Privacy (PP) Produce Farms
DATE PROCESSED: 08/06/2015
ACCT: 1303 DATE SAMPLED: 07/27/15
SAMPLE NUMBER: 29123
MATERIAL: Dairy
STORAGE SYSTEM: LIQUID
SAMPLE ID: A 7-27-15

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 3.09

MOISTURE, % 96.91

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/1000 gal	In 1st Year of Application lbs/1000 gal	If Applied 2 Consecutive Yrs lbs/1000 gal	If Applied 3 Consecutive Yrs lbs/1000 gal
Nitrogen: (> 72h or Not Inc)	9.96	2.99	1.00	0.50
Nitrogen: (Inc in 1 to 72h)	9.96	3.98	1.00	0.50
Nitrogen: (Inc within 1h or Inj)	9.96	4.98	1.00	0.50
Phosphorus as P_2O_5	8.81	7.05	0.00	0.00
Potassium as K_2O	13.45	10.76	0.00	0.00
Sulfur	1.77	0.97	0.18	0.09
Estimated Value of Available Nutrients		$11.86	$0.63	$0.31

MINOR ELEMENTS *3

Calcium:	3.28%	Zinc:	467 ppm
Magnesium:	1.64%	Manganese:	393 ppm
Copper:	976 ppm	Sodium:	1.72%
Iron:	1380 ppm		

NH4-N: 6.67 lbs/1000 gal

NO3-N: 0.08 lbs/1000 gal

COMMENTS:

**1 Applications of manure on the same field for 2 consecutive years increases the availability of N and S by 10%, and for 3 or more consecutive years by 15%. There is zero availability on P and K for 2 or more consecutive years.
Availability of N changes depending on application technique.
Injection or incorporation within 3 days of application results in higher N availability.

*2 Value based on commercial fertilizer costs as of 10/01/2014.
N (Urea) $0.57/lb, P2O5 (Triple Superphosphate) $0.67/lb, K2O (Potash) $0.37/lb,
S (Elemental Sulfur) $0.33/lb.

*3 If minor elements are requested, they are reported on a 'dry matter' basis.
If ammonia, nitrate or pH are requested, they are reported on an 'as is' basis.

**References: Nutrient application guidelines for field, vegetable, and fruit crops in Wisconsin (A2809), Table 9.1

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ANALYSIS FOR: Ex. 6 Personal Privacy (PP) Produce Farms
DATE PROCESSED: 08/06/2015
ACCT: 1303
DATE SAMPLED: 07/29/15
SAMPLE NUMBER: 29124
MATERIAL: Dairy
STORAGE SYSTEM: SEMI-SOLID
SAMPLE ID: B 7-29-15

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 16.34

MOISTURE, % 83.66

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/ton	In 1st Year of Application lbs/ton	If Applied 2 Consecutive Yrs lbs/ton	If Applied 3 Consecutive Yrs lbs/ton
Nitrogen: (> 72h or Not Inc)	5.00	1.25	0.50	0.25
Nitrogen: (Inc in 1 to 72h)	5.00	1.50	0.50	0.25
Nitrogen: (Inc within 1h or Inj)	5.00	1.75	0.50	0.25
Phosphorus as P_2O_5	2.99	2.39	0.00	0.00
Potassium as K_2O	3.61	2.89	0.00	0.00
Sulfur	1.44	0.79	0.14	0.07
Estimated Value of Available Nutrients		$3.93	$0.33	$0.17

MINOR ELEMENTS *3

Calcium:	1.27%	Zinc:	191 ppm
Magnesium:	0.52%	Manganese:	127 ppm
Copper:	305 ppm	Sodium:	0.35%
Iron:	647 ppm		

NH4-N: 1.42 lbs/ton

NO3-N: 0.04 lbs/ton

COMMENTS:

**1 Applications of manure on the same field for 2 consecutive years increases the availability of N and S by 10%, and for 3 or more consecutive years by 15%. There is zero availability on P and K for 2 or more consecutive years.
Availability of N changes depending on application technique.
Injection or incorporation within 3 days of application results in higher N availability.

*2 Value based on commercial fertilizer costs as of 10/01/2014.
N (Urea) $0.57/lb, P2O5 (Triple Superphosphate) $0.67/lb, K2O (Potash) $0.37/lb,
S (Elemental Sulfur) $0.33/lb.

*3 If minor elements are requested, they are reported on a 'dry matter' basis.
If ammonia, nitrate or pH are requested, they are reported on an 'as is' basis.

**References: Nutrient application guidelines for field, vegetable, and fruit crops in Wisconsin (A2809), Table 9.1

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ANALYSIS FOR: Ex. 6 Personal Privacy (PP) Produce Farm
DATE PROCESSED: 08/27/2015
ACCT: 1303 DATE SAMPLED: 08/06/2015
SAMPLE NUMBER: 29342
MATERIAL: Dairy
STORAGE SYSTEM: LIQUID
SAMPLE ID: B 8-6-15

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 1.05

MOISTURE, % 98.95

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/1000 gal	In 1st Year of Application lbs/1000 gal	If Applied 2 Consecutive Yrs lbs/1000 gal	If Applied 3 Consecutive Yrs lbs/1000 gal
Nitrogen: (> 72h or Not Inc)	9.96	2.99	1.00	0.50
Nitrogen: (Inc in 1 to 72h)	9.96	3.98	1.00	0.50
Nitrogen: (Inc within 1h or Inj)	9.96	4.98	1.00	0.50
Phosphorus as P_2O_5	2.16	1.72	0.00	0.00
Potassium as K_2O	10.24	8.19	0.00	0.00
Sulfur	0.64	0.35	0.06	0.03
Estimated Value of Available Nutrients		$7.14	$0.59	$0.29

MINOR ELEMENTS *3

Calcium:	3.33%	Zinc:	282 ppm
Magnesium:	2.00%	Manganese:	432 ppm
Copper:	779 ppm	Sodium:	3.71%
Iron:	640 ppm		

NH4-N: 0.83 lbs/1000 gal
NO3-N: 0.25 lbs/1000 gal

COMMENTS:

**1 Applications of manure on the same field for 2 consecutive years increases the availability of N and S by 10%, and for 3 or more consecutive years by 15%. There is zero availability on P and K for 2 or more consecutive years.
Availability of N changes depending on application technique.
Injection or incorporation within 3 days of application results in higher N availability.

*2 Value based on commercial fertilizer costs as of 10/01/2014.
N (Urea) $0.57/lb, P2O5 (Triple Superphosphate) $0.67/lb, K2O (Potash) $0.37/lb,
S (Elemental Sulfur) $0.33/lb.

*3 If minor elements are requested, they are reported on a 'dry matter' basis.
If ammonia, nitrate or pH are requested, they are reported on an 'as is' basis.

**References: Nutrient application guidelines for field, vegetable, and fruit crops in Wisconsin (A2809), Table 9.1

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ANALYSIS FOR: Ex. 6 Personal Privacy (PP) Produce Farm
DATE PROCESSED: 08/27/2015
ACCT: 1303 DATE SAMPLED: 08/20/2015
SAMPLE NUMBER: 29343
MATERIAL: Dairy
STORAGE SYSTEM: LIQUID
SAMPLE ID: A 8-20-15

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 1.00

MOISTURE, % 99.00

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/1000 gal	In 1st Year of Application lbs/1000 gal	If Applied 2 Consecutive Yrs lbs/1000 gal	If Applied 3 Consecutive Yrs lbs/1000 gal
Nitrogen: (> 72h or Not Inc)	9.96	2.99	1.00	0.50
Nitrogen: (Inc in 1 to 72h)	9.96	3.98	1.00	0.50
Nitrogen: (Inc within 1h or Inj)	9.96	4.98	1.00	0.50
Phosphorus as P_2O_5	2.15	1.72	0.00	0.00
Potassium as K_2O	10.35	8.28	0.00	0.00
Sulfur	0.64	0.35	0.06	0.03
Estimated Value of Available Nutrients		$7.17	$0.59	$0.29

MINOR ELEMENTS *3

Calcium:	3.47%	Zinc:	293 ppm
Magnesium:	2.10%	Manganese:	453 ppm
Copper:	818 ppm	Sodium:	3.97%
Iron:	661 ppm		

NH4-N: 4.17 lbs/1000 gal
NO3-N: 0.08 lbs/1000 gal

COMMENTS:

**1 Applications of manure on the same field for 2 consecutive years increases the availability of N and S by 10%, and for 3 or more consecutive years by 15%. There is zero availability on P and K for 2 or more consecutive years.
Availability of N changes depending on application technique.
Injection or incorporation within 3 days of application results in higher N availability.

*2 Value based on commercial fertilizer costs as of 10/01/2014.
N (Urea) $0.57/lb, P2O5 (Triple Superphosphate) $0.67/lb, K2O (Potash) $0.37/lb,
S (Elemental Sulfur) $0.33/lb.

*3 If minor elements are requested, they are reported on a 'dry matter' basis.
If ammonia, nitrate or pH are requested, they are reported on an 'as is' basis.

**References: Nutrient application guidelines for field, vegetable, and fruit crops in Wisconsin (A2809), Table 9.1

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ANALYSIS FOR: Central Sands Dairy
DATE PROCESSED: 09/28/2015
ACCT: 1303 DATE SAMPLED: 09/03/15
SAMPLE NUMBER: 29605
MATERIAL: Dairy
STORAGE SYSTEM: LIQUID
SAMPLE ID: Pit 9-3-15

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 0.84

MOISTURE, % 99.16

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/1000 gal	In 1st Year of Application lbs/1000 gal	If Applied 2 Consecutive Yrs lbs/1000 gal	If Applied 3 Consecutive Yrs lbs/1000 gal
Nitrogen: (> 72h or Not Inc)	7.47	2.24	0.75	0.37
Nitrogen: (Inc in 1 to 72h)	7.47	2.99	0.75	0.37
Nitrogen: (Inc within 1h or Inj)	7.47	3.74	0.75	0.37
Phosphorus as P_2O_5	1.79	1.43	0.00	0.00
Potassium as K_2O	8.58	6.86	0.00	0.00
Sulfur	0.53	0.29	0.05	0.03
Estimated Value of Available Nutrients		$5.72	$0.44	$0.22

MINOR ELEMENTS *3

Calcium:	3.61%	Zinc:	310 ppm
Magnesium:	2.09%	Manganese:	454 ppm
Copper:	804 ppm	Sodium:	4.67%
Iron:	690 ppm		

NH4-N: 5.84 lbs/1000 gal
NO3-N: 0.17 lbs/1000 gal

COMMENTS:

**1 Applications of manure on the same field for 2 consecutive years increases the availability of N and S by 10%, and for 3 or more consecutive years by 15%. There is zero availability on P and K for 2 or more consecutive years.
Availability of N changes depending on application technique.
Injection or incorporation within 3 days of application results in higher N availability.

*2 Value based on commercial fertilizer costs as of 10/01/2014.
N (Urea) $0.57/lb, P2O5 (Triple Superphosphate) $0.67/lb, K2O (Potash) $0.37/lb,
S (Elemental Sulfur) $0.33/lb.

*3 If minor elements are requested, they are reported on a 'dry matter' basis.
If ammonia, nitrate or pH are requested, they are reported on an 'as is' basis.

**References: Nutrient application guidelines for field, vegetable, and fruit crops in Wisconsin (A2809), Table 9.1

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ANALYSIS FOR: Central Sands Dairy
DATE PROCESSED: 09/28/2015
ACCT: 1303 DATE SAMPLED: 09/22/15
SAMPLE NUMBER: 29606
MATERIAL: Dairy
STORAGE SYSTEM: LIQUID
SAMPLE ID: Pit 9-22-15

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 1.47

MOISTURE, % 98.53

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/1000 gal	In 1st Year of Application lbs/1000 gal	If Applied 2 Consecutive Yrs lbs/1000 gal	If Applied 3 Consecutive Yrs lbs/1000 gal
Nitrogen: (> 72h or Not Inc)	9.96	2.99	1.00	0.50
Nitrogen: (Inc in 1 to 72h)	9.96	3.98	1.00	0.50
Nitrogen: (Inc within 1h or Inj)	9.96	4.98	1.00	0.50
Phosphorus as P_2O_5	4.67	3.73	0.00	0.00
Potassium as K_2O	11.45	9.16	0.00	0.00
Sulfur	0.98	0.54	0.10	0.05
Estimated Value of Available Nutrients		$8.91	$0.60	$0.30

MINOR ELEMENTS *3

Calcium:	4.02%	Zinc:	487 ppm
Magnesium:	2.04%	Manganese:	598 ppm
Copper:	1225 ppm	Sodium:	3.38%
Iron:	1113 ppm		

NH4-N: 6.67 lbs/1000 gal
NO3-N: 0.17 lbs/1000 gal

COMMENTS:

**1 Applications of manure on the same field for 2 consecutive years increases the availability of N and S by 10%, and for 3 or more consecutive years by 15%. There is zero availability on P and K for 2 or more consecutive years.
Availability of N changes depending on application technique.
Injection or incorporation within 3 days of application results in higher N availability.

*2 Value based on commercial fertilizer costs as of 10/01/2014.
N (Urea) $0.57/lb, P2O5 (Triple Superphosphate) $0.67/lb, K2O (Potash) $0.37/lb,
S (Elemental Sulfur) $0.33/lb.

*3 If minor elements are requested, they are reported on a 'dry matter' basis.
If ammonia, nitrate or pH are requested, they are reported on an 'as is' basis.

**References: Nutrient application guidelines for field, vegetable, and fruit crops in Wisconsin (A2809), Table 9.1

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ACCT: 1303

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

ANALYSIS FOR: WPF
DATE PROCESSED: 11/02/2015
DATE SAMPLED: 10/01/15
SAMPLE NUMBER: 30171
MATERIAL: Dairy
STORAGE SYSTEM: LIQUID
SAMPLE ID: B

DRY MATTER, % 2.96

MOISTURE, % 97.04

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/1000 gal	In 1st Year of Application lbs/1000 gal	If Applied 2 Consecutive Yrs lbs/1000 gal	If Applied 3 Consecutive Yrs lbs/1000 gal
Nitrogen: (> 72h or Not Inc)	16.60	4.98	1.66	0.83
Nitrogen: (Inc in 1 to 72h)	16.60	6.64	1.66	0.83
Nitrogen: (Inc within 1h or Inj)	16.60	8.30	1.66	0.83
Phosphorus as P_2O_5	7.43	5.94	0.00	0.00
Potassium as K_2O	18.96	15.17	0.00	0.00
Sulfur	1.74	0.96	0.17	0.09
Estimated Value of Available Nutrients		$14.64	$1.00	$0.50

MINOR ELEMENTS *3

Calcium:	3.75%	Zinc:	495 ppm
Magnesium:	1.89%	Manganese:	491 ppm
Copper:	1404 ppm	Sodium:	2.69%
Iron:	1013 ppm		

NH4-N: 15.01 lbs/1000 gal
NO3-N: 0.08 lbs/1000 gal

COMMENTS:

**1 Applications of manure on the same field for 2 consecutive years increases the availability of N and S by 10%, and for 3 or more consecutive years by 15%. There is zero availability on P and K for 2 or more consecutive years.
Availability of N changes depending on application technique.
Injection or incorporation within 3 days of application results in higher N availability.

*2 Value based on commercial fertilizer costs as of 10/01/2014.
N (Urea) $0.57/lb, P2O5 (Triple Superphosphate) $0.67/lb, K2O (Potash) $0.37/lb,
S (Elemental Sulfur) $0.33/lb.

*3 If minor elements are requested, they are reported on a 'dry matter' basis.
If ammonia, nitrate or pH are requested, they are reported on an 'as is' basis.

**References: Nutrient application guidelines for field, vegetable, and fruit crops in Wisconsin (A2809), Table 9.1

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ACCT: 1303

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

ANALYSIS FOR: WPF
DATE PROCESSED: 11/02/2015
DATE SAMPLED: 10/16/15
SAMPLE NUMBER: 30172
MATERIAL: Dairy
STORAGE SYSTEM: LIQUID
SAMPLE ID: A

DRY MATTER, % 2.16

MOISTURE, % 97.84

	Estimated Available Nutrient Credits			
	Total Nutrients	In 1st Year of Application	If Applied 2 Consecutive Yrs	If Applied 3 Consecutive Yrs
	lbs/1000 gal	lbs/1000 gal	lbs/1000 gal	lbs/1000 gal
Nitrogen: (> 72h or Not Inc)	13.28	3.98	1.33	0.66
Nitrogen: (Inc in 1 to 72h)	13.28	5.31	1.33	0.66
Nitrogen: (Inc within 1h or Inj)	13.28	6.64	1.33	0.66
Phosphorus as P_2O_5	5.26	4.20	0.00	0.00
Potassium as K_2O	15.77	12.62	0.00	0.00
Sulfur	1.34	0.74	0.13	0.07
Estimated Value of Available Nutrients		$11.51	$0.80	$0.40

MINOR ELEMENTS *3

Calcium:	3.52%	Zinc:	432 ppm
Magnesium:	1.98%	Manganese:	446 ppm
Copper:	1147 ppm	Sodium:	3.20%
Iron:	808 ppm		

NH4-N: 12.51 lbs/1000 gal
NO3-N: 0.17 lbs/1000 gal

COMMENTS:

**1 Applications of manure on the same field for 2 consecutive years increases the availability of N and S by 10%, and for 3 or more consecutive years by 15%. There is zero availability on P and K for 2 or more consecutive years.
Availability of N changes depending on application technique.
Injection or incorporation within 3 days of application results in higher N availability.

*2 Value based on commercial fertilizer costs as of 10/01/2014.
N (Urea) $0.57/lb, P2O5 (Triple Superphosphate) $0.67/lb, K2O (Potash) $0.37/lb,
S (Elemental Sulfur) $0.33/lb.

*3 If minor elements are requested, they are reported on a 'dry matter' basis.
If ammonia, nitrate or pH are requested, they are reported on an 'as is' basis.

**References: Nutrient application guidelines for field, vegetable, and fruit crops in Wisconsin (A2809), Table 9.1

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ACCT: 1303

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

ANALYSIS FOR: WPF
DATE PROCESSED: 11/02/2015
DATE SAMPLED: 10/26/15
SAMPLE NUMBER: 30173
MATERIAL: Dairy
STORAGE SYSTEM: SOLID
SAMPLE ID: B

DRY MATTER, % 27.77

MOISTURE, % 72.23

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/ton	In 1st Year of Application lbs/ton	If Applied 2 Consecutive Yrs lbs/ton	If Applied 3 Consecutive Yrs lbs/ton
Nitrogen: (> 72h or Not Inc)	10.20	2.55	1.02	0.51
Nitrogen: (Inc in 1 to 72h)	10.20	3.06	1.02	0.51
Nitrogen: (Inc within 1h or Inj)	10.20	3.57	1.02	0.51
Phosphorus as P_2O_5	4.58	3.66	0.00	0.00
Potassium as K_2O	5.13	4.11	0.00	0.00
Sulfur	1.94	1.07	0.19	0.10
Estimated Value of Available Nutrients		$6.36	$0.65	$0.32

MINOR ELEMENTS *3

Calcium:	0.98%	Zinc:	153 ppm
Magnesium:	0.44%	Manganese:	102 ppm
Copper:	406 ppm	Sodium:	0.32%
Iron:	373 ppm		

NH4-N: 7 lbs/ton
NO3-N: 0.08 lbs/ton

COMMENTS:

**1 Applications of manure on the same field for 2 consecutive years increases the availability of N and S by 10%, and for 3 or more consecutive years by 15%. There is zero availability on P and K for 2 or more consecutive years.
Availability of N changes depending on application technique.
Injection or incorporation within 3 days of application results in higher N availability.

*2 Value based on commercial fertilizer costs as of 10/01/2014.
N (Urea) $0.57/lb, P2O5 (Triple Superphosphate) $0.67/lb, K2O (Potash) $0.37/lb,
S (Elemental Sulfur) $0.33/lb.

*3 If minor elements are requested, they are reported on a 'dry matter' basis.
If ammonia, nitrate or pH are requested, they are reported on an 'as is' basis.

**References: Nutrient application guidelines for field, vegetable, and fruit crops in Wisconsin (A2809), Table 9.1

MANURE NUTRIENT ANALYSIS REPORT

AgSource Laboratories
A Subsidiary of Cooperative Resources International

AGSOURCE LABORATORIES
106 N. CECIL STREET
BONDUEL, WI 54107
PHONE (715)758-2178 FAX (715)758-2620

ACCT: 1303

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

ANALYSIS FOR: WPF
DATE PROCESSED: 11/02/2015
DATE SAMPLED: 10/26/15
SAMPLE NUMBER: 30174
MATERIAL: Dairy
STORAGE SYSTEM: SOLID
SAMPLE ID: B

DRY MATTER, % 26.79

MOISTURE, % 73.21

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/ton	In 1st Year of Application lbs/ton	If Applied 2 Consecutive Yrs lbs/ton	If Applied 3 Consecutive Yrs lbs/ton
Nitrogen: (> 72h or Not Inc)	8.80	2.20	0.88	0.44
Nitrogen: (Inc in 1 to 72h)	8.80	2.64	0.88	0.44
Nitrogen: (Inc within 1h or Inj)	8.80	3.08	0.88	0.44
Phosphorus as P_2O_5	3.68	2.94	0.00	0.00
Potassium as K_2O	3.47	2.78	0.00	0.00
Sulfur	1.39	0.77	0.14	0.07
Estimated Value of Available Nutrients		$5.01	$0.55	$0.27

MINOR ELEMENTS *3

Calcium:	1.15%	Zinc:	134 ppm
Magnesium:	0.40%	Manganese:	104 ppm
Copper:	266 ppm	Sodium:	0.23%
Iron:	631 ppm		

NH4-N: 3.20 lbs/ton
NO3-N: 0.04 lbs/ton

COMMENTS:

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Availability of N changes depending on application technique.
Injection or incorporation within 3 days of application results in higher N availability.

*2 Value based on commercial fertilizer costs as of 10/01/2014.
N (Urea) $0.57/lb, P2O5 (Triple Superphosphate) $0.67/lb, K2O (Potash) $0.37/lb,
S (Elemental Sulfur) $0.33/lb.

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If ammonia, nitrate or pH are requested, they are reported on an 'as is' basis.

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MANURE NUTRIENT ANALYSIS REPORT

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BONDUEL, WI 54107
PHONE (715)758-2178 FAX (715)758-2620

ANALYSIS FOR: Central Sands Dairy
DATE PROCESSED: 12/03/2015
ACCT: 1303 DATE SAMPLED: 11/04/15
SAMPLE NUMBER: 30700
MATERIAL: Dairy
STORAGE SYSTEM: LIQUID
SAMPLE ID: Pit A

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 3.04

MOISTURE, % 96.96

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/1000 gal	In 1st Year of Application lbs/1000 gal	If Applied 2 Consecutive Yrs lbs/1000 gal	If Applied 3 Consecutive Yrs lbs/1000 gal
Nitrogen: (> 72h or Not Inc)	21.58	6.47	2.16	1.08
Nitrogen: (Inc in 1 to 72h)	21.58	8.63	2.16	1.08
Nitrogen: (Inc within 1h or Inj)	21.58	10.79	2.16	1.08
Phosphorus as P_2O_5	7.16	5.73	0.00	0.00
Potassium as K_2O	18.59	14.87	0.00	0.00
Sulfur	1.61	0.89	0.16	0.08
Estimated Value of Available Nutrients		$15.79	$1.28	$0.64

MINOR ELEMENTS *3

Calcium:	3.72%	Zinc:	566 ppm
Magnesium:	1.67%	Manganese:	491 ppm
Copper:	1252 ppm	Sodium:	2.33%
Iron:	1000 ppm		

NH4-N: 16.68 lbs/1000 gal
NO3-N: 0.17 lbs/1000 gal

COMMENTS:

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Availability of N changes depending on application technique.
Injection or incorporation within 3 days of application results in higher N availability.

*2 Value based on commercial fertilizer costs as of 10/01/2014.
N (Urea) $0.57/lb, P2O5 (Triple Superphosphate) $0.67/lb, K2O (Potash) $0.37/lb,
S (Elemental Sulfur) $0.33/lb.

*3 If minor elements are requested, they are reported on a 'dry matter' basis.
If ammonia, nitrate or pH are requested, they are reported on an 'as is' basis.

**References: Nutrient application guidelines for field, vegetable, and fruit crops in Wisconsin (A2809), Table 9.1

MANURE NUTRIENT ANALYSIS REPORT

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ANALYSIS FOR: Central Sands Dairy
DATE PROCESSED: 12/03/2015
DATE SAMPLED: 11/18/15
SAMPLE NUMBER: 30701
MATERIAL: Dairy
STORAGE SYSTEM: LIQUID
SAMPLE ID: Pit B

ACCT: 1303

CENTRAL SANDS DAIRY
N15927 CTY G
NEKOOSA, WI 54457

DRY MATTER, % 2.59

MOISTURE, % 97.41

	Estimated Available Nutrient Credits			
	Total Nutrients lbs/1000 gal	In 1st Year of Application lbs/1000 gal	If Applied 2 Consecutive Yrs lbs/1000 gal	If Applied 3 Consecutive Yrs lbs/1000 gal
Nitrogen: (> 72h or Not Inc)	18.26	5.48	1.83	0.91
Nitrogen: (Inc in 1 to 72h)	18.26	7.30	1.83	0.91
Nitrogen: (Inc within 1h or Inj)	18.26	9.13	1.83	0.91
Phosphorus as P_2O_5	6.15	4.92	0.00	0.00
Potassium as K_2O	16.92	13.54	0.00	0.00
Sulfur	1.42	0.78	0.14	0.07
Estimated Value of Available Nutrients		$13.77	$1.09	$0.54

MINOR ELEMENTS *3

Calcium:	3.71%	Zinc:	493 ppm
Magnesium:	1.75%	Manganese:	496 ppm
Copper:	1315 ppm	Sodium:	2.50%
Iron:	879 ppm		

NH4-N: 17.51 lbs/1000 gal

NO3-N: 0.08 lbs/1000 gal

COMMENTS:

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Availability of N changes depending on application technique.
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S (Elemental Sulfur) $0.33/lb.

*3 If minor elements are requested, they are reported on a 'dry matter' basis.
If ammonia, nitrate or pH are requested, they are reported on an 'as is' basis.

**References: Nutrient application guidelines for field, vegetable, and fruit crops in Wisconsin (A2809), Table 9.1