

## **APPENDIX B**

### **Soil Testing Procedures**

**(Soil Test Results)**

Soil samples for soil tests should not represent more than 2.5 acres. The fields will be sub-divided into units of approximately 2.5 acres for soil sampling and nutrient planning purposes. Soil sampling depth for P and K shall be 7 inches. Under no till conditions pH can be tested using the top 4 inches only.

Soil samples shall be collected and prepared according to The Illinois Agronomy handbook. Take soil samples prior to manure application (e.g., Mid Autumn). Since manure will typically be applied to soybean stubble anticipating a corn crop in the spring, soil tests should either be taken in corn stalks or soybean stubble prior to manure application. Wait 9 months after manure application before soil testing.

Soil testing shall include analysis for any nutrients for which specific information is needed to develop the nutrient plan. Request analyses pertinent to monitoring or amending the annual nutrient budget, e.g. pH, electrical conductivity (EC), soil organic matter, nitrogen, phosphorus, and potassium.

### **Soil Analysis**

The minimum analysis for Illinois is to include:

- pH
- Phosphorus (P as indicated by Bray P1 test)
- Potassium (K)

**{INSERT SOIL TESTS}**

REPORT NUMBER 07-243-0056

ANALYSIS DATE SEP 6, 2007

ACCOUNT NO. 21192

# Midwest Laboratories

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HILLCREST DAIRY  
23318 W TAGGERT RD

SAM DILSAVER

ELMWOOD IL

61529

GROWER

HILLCREST DAIRY

ELMWOOD IL 61529

FARM 6003 TRACT 4185 FIELD 1

81 ACRES

8510 N KNOXVILLE AVE #173

PEORIA IL

61615-2034

Lab Number	Sample Id	OM %	Phosphorus			K ppm	Mg ppm	Ca ppm	Na ppm	pH	BpH	CEC meq/100	Percent Base Saturation					Nitrate			S ppm	Zn ppm	Mn ppm	Fe ppm	Cu ppm	B ppm	Excess Lime Rate	Soluble Salts mmhos/cm		
			P <sub>1</sub> ppm	P <sub>2</sub> ppm	Bic ppm								K	Mg	Ca	H	Na	Surface lbs/A		Total lbs/A										
7763354	T4185-1-1	2.4	25	35		187	544	2166		6.7		15.8	3.0	28.7	68.3															
7763355	T4185-1-2	2.8	38	58		144	511	1960		7.0		14.4	2.6	29.6	67.8															
7763356	T4185-1-3	2.6	28	42		151	610	2150		7.4		16.2	2.4	31.4	66.2															
7763357	T4185-1-4	2.2	15	27		151	705	2173		7.3		17.1	2.3	34.4	63.3															
7763358	T4185-1-5	2.5	27	35		163	562	2089		7.2		15.5	2.7	30.2	67.1															
7763359	T4185-1-6	3.2	31	39		193	532	2265		6.7		16.3	3.0	27.2	69.8															
7763360	T4185-1-7	3.0	33	45		197	504	2164		6.7		15.5	3.3	27.1	69.6															
7763361	T4185-1-8	2.6	32	35		165	492	2106		6.9		15.1	2.8	27.2	70.0															
7763362	T4185-1-9	3.1	46	55		201	593	2277		7.1		16.8	3.1	29.4	67.5															
7763363	T4185-1-10	2.6	41	49		207	525	2074		7.2		15.3	3.5	28.6	67.9															
7763364	T4185-1-11	2.0	25	35		180	566	2125		7.2		15.8	2.9	29.9	67.2															
7763365	T4185-1-12	1.9	13	52	13	156	607	2017		7.5		15.5	2.6	32.6	64.8															
7763366	T4185-1-13	2.4	25	44		216	671	2225		7.5		17.3	3.2	32.3	64.5															
7763367	T4185-1-14	2.9	50	53		259	541	2228		7.5		16.3	4.1	27.7	68.2															
7763368	T4185-1-15	2.3	21	29		222	482	1830		7.0		13.7	4.2	29.3	66.5															
7763369	T4185-1-16	2.5	23	30		216	571	2036		6.8		15.5	3.6	30.7	65.7															
7763370	T4185-1-17	2.4	17	20		153	447	2258		7.3		15.4	2.5	24.2	73.3															
7763371	T4185-1-18	1.9	15	20		130	566	2056		6.6	6.9	16.3	2.0	28.9	63.1	6.0														
7763372	T4185-1-19	2.7	19	23		193	529	2044		6.4	6.8	16.6	3.0	26.6	61.6	8.8														
7763373	T4185-1-20	2.5	21	32		159	470	2202		7.1		15.3	2.7	25.6	71.7															
7763374	T4185-1-21	2.2	19	26		213	518	2343		6.9		16.6	3.3	26.0	70.7															
7763375	T4185-1-22	2.6	30	42		232	544	2334		7.4		16.8	3.5	27.0	69.5															
7763376	T4185-1-23	2.4	43	54		284	494	2354		7.1		16.6	4.4	24.8	70.8															
7763377	T4185-1-24	2.7	20	25		292	562	2405		6.8		17.5	4.3	26.8	68.9															
7763378	T4185-1-25	2.5	12	18		208	462	2233		7.0		15.5	3.4	24.8	71.8															
7763379	T4185-1-26	2.2	26	29		233	570	2281		7.2		16.8	3.6	28.3	68.1															
7763380	T4185-1-27	2.2	17	24		165	484	2042		6.7		14.7	2.9	27.4	69.7															
7763381	T4185-1-28	2.1	12	17		208	580	2228		7.0		16.5	3.2	29.3	67.5															
7763382	T4185-1-29	2.7	17	35	22	181	530	2328		7.4		16.5	2.8	26.8	70.4															
7763383	T4185-1-30	2.8	18	20		185	538	2237		6.8		16.1	2.9	27.8	69.3															

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ELMWOOD IL  
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GROWER  
HILLCREST DAIRY

ELMWOOD IL 61529  
FARM 6003 TRACT 4185 FIELD 1  
81 ACRES

8510 N KNOXVILLE AVE #173  
PEORIA IL  
61615-2034

Lab Number	Sample Id	OM	Phosphorus			K	Mg	Ca	Na	pH	BpH	CEC meq/100	Percent Base Saturation					Nitrate			S	Zn	Mn	Fe	Cu	B	Excess Lime Rate	Soluble Salts			
			P <sub>1</sub>	P <sub>2</sub>	Bic								K	Mg	Ca	H	Na	ppm	lbs/A	depth IN									lbs/A		
																														Surface	Total
7763384	T4185-1-31	2.5	23	41		187	607	2317		7.2		17.1	2.8	29.6	67.6																
7763385	T4185-1-32	2.7	19	29		207	643	2459		7.2		18.2	2.9	29.4	67.7																

2.5 38 386 7.05

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Laboratories**PAGE **1/3**ACCOUNT NO. **21192**COPY TO **17585****HILLCREST DAIRY  
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MAIN ACCOUNT****SAM DILSAVER****8510 N KNOXVILLE AVE #173****ELMWOOD IL****PEORIA IL****61529****61615-2034**

Lab Number	Sample Id	OM %	Phosphorus			K ppm	Mg ppm	Ca ppm	Na ppm	pH	BpH	CEC meq/100	Percent Base Saturation					Nitrate		S ppm	Zn ppm	Mn ppm	Fe ppm	Cu ppm	B ppm	Excess Lime Rate	Soluble Salts mmhos/cm		
			P <sub>1</sub>	P <sub>2</sub>	Bic								K	Mg	Ca	H	Na	ppm	lbs/A									depth IN	lbs/A
			ppm	ppm	ppm																								
Report Number	07-243-0050	Grower: HILLCREST DAIRY ELMWOOD IL 61529 FARM 6003 TRACT 4185 Analysis Date: SEP 5, 2007																											
7763284	T4185-7-1	2.1	23	43		175	430	2620		7.9		17.1	2.6	21.0	76.4														
7763285	T4185-7-2	1.9	8	25	4	162	503	2379		8.0		16.5	2.5	25.4	72.1														
7763286	T4185-7-3	2.3	29	52	28	225	584	2321		7.6		17.0	3.4	28.6	68.0														
7763287	T4185-7-4	2.1	22	35	20	183	495	2405		7.9		16.6	2.8	24.8	72.4														
7763288	T4185-7-5	2.6	17	35	20	212	497	2704		7.9		18.2	3.0	22.8	74.2														
7763289	T4185-7-6	2.1	16	38	15	227	469	2685		8.0		17.9	3.3	21.8	74.9														
7763290	T4185-7-7	2.3	10	24	11	183	549	2559		7.9		17.8	2.6	25.7	71.7														
7763291	T4185-7-8	2.2	27	37	23	221	558	2262		7.8		16.5	3.4	28.2	68.4														
Report Number	07-243-0051	Grower: HILLCREST DAIRY ELMWOOD IL 61529 FARM 6003 TRACT 4185 Analysis Date: SEP 5, 2007																											
7763292	T4185-5-1	2.4	6	25	9	170	492	2389		7.9		16.5	2.6	24.8	72.6														
7763293	T4185-5-2	2.3	12	35	16	156	595	2326		7.7		17.0	2.4	29.2	68.4														
Report Number	07-243-0052	Grower: HILLCREST DAIRY FARM 6003 TRACT 4185 FIELD 3 14 ACRES Analysis Date: SEP 5, 2007																											
7763294	T4185-3-1	2.2	27	36	33	189	575	2291		7.1		16.7	2.9	28.7	68.4														
7763295	T4185-3-2	2.5	15	21		154	511	2203		6.6	6.9	16.7	2.4	25.5	66.0	6.1													
7763296	T4185-3-3	2.7	23	28		164	472	2103		6.9		14.9	2.8	26.4	70.8														
7763297	T4185-3-4	2.7	15	22		174	604	2408		6.6	6.8	18.6	2.4	27.1	64.7	5.8													
7763298	T4185-3-5	2.3	9	26		147	536	1998		6.0	6.7	17.4	2.2	25.7	57.4	14.7													
Report Number	07-243-0053	Grower: HILLCREST DAIRY ELMWOOD IL 61529 FARM 6003 TRACT 4186 Analysis Date: SEP 5, 2007																											
7763299	T4186-2-1	2.3	20	33	22	172	697	2301		7.1		17.8	2.5	32.6	64.9														
7763300	T4186-2-2	2.2	8	18	7	137	671	2215		7.3		17.0	2.1	32.9	65.0														
7763301	T4186-2-3	1.9	11	25	9	165	633	2564		7.4		18.5	2.3	28.5	69.2														
7763302	T4186-2-4	2.4	19	38	23	167	575	2332		7.4		16.9	2.5	28.4	69.1														
7763303	T4186-2-5	1.9	12	25	9	152	581	2300		7.5		16.7	2.3	29.0	68.7														
7763305	T4186-2-6	2.5	19	56	18	201	565	2282		7.2		16.6	3.1	28.4	68.5														
7763306	T4186-2-7	2.4	17	25	14	205	635	2228		7.0		17.0	3.1	31.1	65.8														
7763307	T4186-2-8	2.5	20	32	20	184	593	2291		7.4		16.9	2.8	29.2	68.0														
7763308	T4186-2-9	1.9	9	26	11	164	648	2108		7.8		16.4	2.6	32.9	64.5														
7763309	T4186-2-10	2.0	14	23	14	184	632	2317		7.7		17.3	2.7	30.4	66.9														
7763310	T4186-2-11	2.4	56	79	41	229	589	2265		7.4		16.8	3.5	29.2	67.3														

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MAIN ACCOUNT****SAM DILSAVER****8510 N KNOXVILLE AVE #173****ELMWOOD IL****PEORIA IL****61529****61615-2034**

Lab Number	Sample Id	OM	Phosphorus			K	Mg	Ca	Na	pH	BpH	CEC meq/100	Percent Base Saturation					Nitrate			S	Zn	Mn	Fe	Cu	B	Excess Lime Rate	Soluble Salts		
			P <sub>1</sub>	P <sub>2</sub>	Bic													Surface		Total										
			%	ppm	ppm								ppm	ppm	ppm	ppm	ppm	K	Mg	Ca									H	Na
Report Number	07-243-0053	Grower: HILLCREST DAIRY ELMWOOD IL 61529 FARM 6003 TRACT 4186																	Analysis Date: SEP 5, 2007											
FIELD 2 40 ACRES																														
7763311	T4186-2-12	2.2	38	53	40	203	570	2220		7.4		16.4	3.2	29.0	67.8															
7763312	T4186-2-13	2.5	24	36	21	176	543	2287		7.4		16.4	2.8	27.6	69.6															
7763313	T4186-2-14	2.3	12	26	9	153	505	2550		7.8		17.4	2.3	24.2	73.5															
7763314	T4186-2-15	1.8	10	32	7	156	665	2117		7.6		16.5	2.4	33.6	64.0															
7763315	T4186-2-16	2.3	26	81	23	191	537	1929		7.8		14.6	3.4	30.7	65.9															
Report Number	07-243-0054	Grower: HILLCREST DAIRY ELMWOOD IL 61529 FARM 6003 TRACT 4185																	Analysis Date: SEP 5, 2007											
FIELD 4 3 ACRES																														
7763316	T4185-4-1	2.8	16	18		174	457	2054		6.4	6.8	15.9	2.8	24.0	64.6	8.6														
7763317	T4185-4-2	2.4	10	11		178	567	2123		6.2	6.7	18.0	2.5	26.2	59.0	12.3														
7763318	T4185-4-3	2.5	19	37		178	559	2062		7.3		15.4	3.0	30.2	66.8															
7763319	T4185-4-4	2.7	17	21		193	578	2301		7.1		16.8	2.9	28.7	68.4															
7763320	T4185-4-5	2.6	30	67		208	622	2243		7.5		16.9	3.2	30.7	66.1															
7763321	T4185-4-6	2.5	12	21		164	545	1966		6.6	6.9	15.7	2.7	28.9	62.6	5.8														
7763322	T4185-4-7	2.4	18	29		206	592	2191		7.1		16.4	3.2	30.1	66.7															
7763323	T4185-4-8	2.7	19	20		178	454	2042		6.9		14.4	3.2	26.3	70.5															
7763324	T4185-4-9	3.1	25	34		177	441	2158		7.0		14.9	3.0	24.7	72.3															
7763325	T4185-4-10	2.7	26	48		210	612	2264		6.7		17.0	3.2	30.0	66.8															
7763326	T4185-4-11	2.8	14	18		212	540	2121		6.2	6.7	17.7	3.1	25.4	59.9	11.6														
7763327	T4185-4-12	3.0	14	20		190	480	2109		6.2	6.7	17.1	2.8	23.4	61.7	12.1														
7763328	T4185-4-13	2.9	11	24		162	419	2029		6.4	6.8	15.5	2.7	22.5	65.5	9.3														
Report Number	07-243-0055	Grower: HILLCREST DAIRY ELMWOOD IL 61529 FARM 6003 TRACT 4185																	Analysis Date: SEP 6, 2007											
FIELD 11 58 ACRES																														
7763329	T4185-11-1	2.4	15	30		181	627	2092		7.5		16.1	2.9	32.5	64.6															
7763330	T4185-11-2	2.6	26	29		189	481	2010		6.7		14.5	3.3	27.6	69.1															
7763331	T4185-11-3	2.5	24	37		243	502	1862		6.6	6.9	15.0	4.2	27.9	62.1	5.8														
7763332	T4185-11-4	2.5	20	64		197	611	1872		7.4		15.0	3.4	33.9	62.7															
7763333	T4185-11-5	2.0	8	45		180	700	1934		7.7		16.0	2.9	36.5	60.6															
7763334	T4185-11-6	1.9	11	41	9	178	717	2042		7.6		16.6	2.7	36.0	61.3															
7763335	T4185-11-7	2.5	29	51		242	604	2139		7.6		16.3	3.8	30.9	65.3															
7763336	T4185-11-8	2.0	11	22		165	582	2048		7.5		15.5	2.7	31.3	66.0															
7763337	T4185-11-9	2.0	11	19		188	659	2125		7.6		16.6	2.9	33.1	64.0															

REPORT DATE **SEP 11, 2007**ACCOUNT NO. **21192****HILLCREST DAIRY  
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MAIN ACCOUNT****SAM DILSAVER****ELMWOOD IL****61529****8510 N KNOXVILLE AVE #173****PEORIA IL****61615-2034**

Lab Number	Sample Id	OM %	Phosphorus			K ppm	Mg ppm	Ca ppm	Na ppm	pH	BpH	CEC meq/100	Percent Base Saturation				Nitrate		S ppm	Zn ppm	Mn ppm	Fe ppm	Cu ppm	B ppm	Excess Lime Rate	Soluble Salts mmhos/cm			
			P <sub>1</sub>	P <sub>2</sub>	Bic								K	Mg	Ca	H	Na	ppm									lbs/A	depth IN	lbs/A
			ppm	ppm	ppm																								
Report Number	07-243-0055 Grower: HILLCREST DAIRY ELMWOOD IL 61529 FARM 6003 TRACT 4185													Analysis Date:		SEP 6, 2007													
FIELD 11 58 ACRES																													
7763338	T4185-1110	2.3	16	27		193	568	2088		7.4		15.7	3.2	30.1	66.7														
7763339	T4185-1111	2.3	15	42	16	219	663	2237		7.8		17.3	3.2	31.9	64.9														
7763340	T4185-1112	2.5	24	39		260	535	2106		7.6		15.7	4.2	28.4	67.4														
7763341	T4185-1113	2.3	24	26		185	518	2335		7.7		16.5	2.9	26.2	70.9														
7763342	T4185-1114	2.4	10	75	10	184	600	2197		7.9		16.5	2.9	30.3	66.8														
7763343	T4185-1115	2.5	23	32		205	607	2298		7.4		17.1	3.1	29.6	67.3														
7763344	T4185-1116	2.1	14	25		165	612	2132		7.6		16.2	2.6	31.5	65.9														
7763346	T4185-1117	2.2	13	19		203	602	2042		7.1		15.7	3.3	32.0	64.7														
7763347	T4185-1118	2.4	18	22		246	625	2133		6.8		16.5	3.8	31.6	64.6														
7763348	T4185-1119	2.6	23	35		225	524	2216		7.2		16.0	3.6	27.3	69.1														
7763349	T4185-1120	2.5	16	24		216	561	2131		6.9		15.9	3.5	29.4	67.1														
7763350	T4185-1121	2.5	21	23		247	488	1972		6.9		14.6	4.3	27.9	67.8														
7763351	T4185-1122	2.4	26	29		449	643	2532		6.4	6.7	21.1	5.5	25.4	60.0	9.1													

2.4 34 400 7.4

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**ILLINOIS NUTRIENT PLANNERS  
MAIN ACCOUNT**

SAM DILSAVER

ELMWOOD IL

61529

8510 N KNOXVILLE AVE #173

PEORIA IL

61615-2034

Lab Number	Sample Id	OM	Phosphorus			K	Mg	Ca	Na	pH	BpH	CEC meq/100	Percent Base Saturation					Nitrate			S	Zn	Mn	Fe	Cu	B	Excess Lime Rate	Soluble Salts		
			P <sub>1</sub>	P <sub>2</sub>	Bic								Surface	Total	depth IN															
			%	ppm	ppm											ppm	ppm	ppm	ppm	ppm									ppm	ppm
Report Number	07-255-0080	2.15	21.5	16.5	6.5	Grower: HILLCREST DAIRY FARM 6003 TRACT 4187 FIELD 2 4 ACRES												Analysis Date: SEP 14, 2007												
7768881	T4187-2-1	2.2	19	39		182	491	2129		6.6	6.9	16.2	2.9	25.3	65.7	6.1														
7768882	T4187-2-2	2.1	24	30		149	553	2319		6.4	6.8	18.2	2.1	25.3	63.7	8.9														
Report Number	07-255-0081	Grower: HILLCREST DAIRY FARM 6003 TRACT 4187 FIELD 3 2 ACRES												Analysis Date: SEP 14, 2007																
7768883	T4187-3-1	2.1	32	36		181	526	2343		6.3	6.7	18.5	2.5	23.7	63.3	10.5														
Report Number	07-255-0083	2.55	53	32.4	6.7	Grower: HILLCREST DAIRY ELMWOOD IL 61529 FARM 6003 TRACT 4185												Analysis Date: SEP 14, 2007												
		FIELD 8 4 ACRES																												
7768885	T4185-8-1	2.1	28	30		153	642	2259		6.7		17.0	2.3	31.5	66.2															
7768886	T4185-8-2	3.0	25	44		171	494	2501		7.3		17.1	2.6	24.1	73.3															
Report Number	07-255-0084	Grower: HILLCREST DAIRY FARM 6003 TRACT 4660 FIELD 3 2 ACRES												Analysis Date: SEP 14, 2007																
7768887	T4660-3-1	1.9	17	72		94	412	1718		7.6		12.3	2.0	27.9	70.1															

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ELMWOOD IL8510 N KNOXVILLE AVE #173  
PEORIA IL

61529

61615-2034

Lab Number	Sample Id	OM %	Phosphorus			K ppm	Mg ppm	Ca ppm	Na ppm	pH	BpH	CEC meq/100	Percent Base Saturation					Nitrate			S ppm	Zn ppm	Mn ppm	Fe ppm	Cu ppm	B ppm	Excess Lime Rate	Soluble Salts mmhos/cm				
			P <sub>1</sub>	P <sub>2</sub>	Bic								K	Mg	Ca	H	Na	Surface		Total												
			ppm	ppm	ppm													ppm	lbs/A										depth IN	lbs/A		
			ppm	ppm	ppm													ppm	ppm										ppm	ppm	ppm	ppm
Report Number	07-255- 0073	Grower: HILLCREST DAIRY FARM 6003 TRACT 4660 FIELD 4 33 ACRES																Analysis Date:					SEP 14, 2007									
7768805	T4660-4-1	1.3	3	9	6	151	464	2471		7.8		16.6	2.3	23.3	74.4																	
7768806	T4660-4-2	2.2	10	41	11	195	577	2353		7.7		17.1	2.9	28.1	69.0																	
7768807	T4660-4-3	2.3	9	19		213	559	2254		6.7		16.5	3.3	28.2	68.5																	
7768808	T4660-4-4	2.2	19	32		264	621	2322		7.4		17.5	3.9	29.6	66.5																	
7768809	T4660-4-5	2.3	24	44		274	608	2469		7.7		18.1	3.9	28.0	68.1																	
7768810	T4660-4-6	2.3	25	45		295	621	2495		7.5		18.4	4.1	28.1	67.8																	
7768811	T4660-4-7	2.1	4	11	8	139	452	2974		7.5		19.0	1.9	19.8	78.3																	
7768812	T4660-4-8	2.2	10	32	12	180	521	2644		7.3		18.0	2.6	24.1	73.3																	
7768813	T4660-4-9	2.0	21	42	22	299	590	2468		7.7		18.0	4.3	27.3	68.4																	
7768814	T4660-4-10	2.2	19	39	22	270	723	2584		7.6		19.6	3.5	30.7	65.8																	
7768815	T4660-4-11	2.7	21	41	21	260	644	2446		7.3		18.3	3.6	29.3	67.1																	
7768816	T4660-4-12	2.2	10	25	12	205	631	2471		7.3		18.1	2.9	29.1	68.0																	
7768817	T4660-4-13	2.0	13	34	14	233	617	2341		7.5		17.4	3.4	29.5	67.1																	
Report Number	07-255- 0076	Grower: HILLCREST DAIRY FARM 6003 TRACT 4660 FIELD 7 57 ACRES																Analysis Date:					SEP 14, 2007									
7768824	T4660-7-1	1.7	13	35		136	482	1595		7.2		12.3	2.8	32.7	64.5																	
7768825	T4660-7-2	2.5	28	54		171	630	2072		7.5		16.0	2.7	32.8	64.5																	
7768826	T4660-7-3	2.1	12	47	15	159	608	2268		7.9		16.8	2.4	30.2	67.4																	
7768827	T4660-7-4	2.2	25	46		202	572	2361		7.7		17.1	3.0	27.9	69.1																	
7768828	T4660-7-5	1.7	14	42	18	144	442	1717		7.1		12.6	2.9	29.2	67.9																	
7768829	T4660-7-6	2.0	12	35	16	156	465	2417		7.9		16.4	2.4	23.6	74.0																	
7768830	T4660-7-7	2.2	10	33	13	184	543	2498		7.8		17.5	2.7	25.9	71.4																	
7768831	T4660-7-8	2.6	17	28		216	593	2352		6.7		17.3	3.2	28.6	68.2																	
7768832	T4660-7-9	2.5	18	39	20	180	630	2442		7.4		17.9	2.6	29.3	68.1																	
7768833	T4660-7-10	2.2	18	36		216	654	2250		7.2		17.3	3.2	31.5	65.3																	
7768834	T4660-7-11	2.1	21	39		219	634	2204		7.6		16.9	3.3	31.3	65.4																	
7768835	T4660-7-12	2.3	24	43		210	685	2697		7.4		19.7	2.7	29.0	68.3																	
7768836	T4660-7-13	2.5	17	30		229	740	2626		7.4		19.9	3.0	31.0	66.0																	
7768837	T4660-7-14	2.4	14	28		200	683	2554		6.9		19.0	2.7	30.0	67.3																	
7768838	T4660-7-15	2.4	18	33		196	655	2541		7.3		18.7	2.7	29.2	68.1																	



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615298510 N KNOXVILLE AVE #173  
PEORIA IL  
61615-2034

Lab Number	Sample Id	OM %	Phosphorus			K ppm	Mg ppm	Ca ppm	Na ppm	pH	BpH	CEC meq/100	Percent Base Saturation					Nitrate			S ppm	Zn ppm	Mn ppm	Fe ppm	Cu ppm	B ppm	Excess Lime Rate	Soluble Salts mmhos/cm		
			P <sub>1</sub> ppm	P <sub>2</sub> ppm	Bic ppm								K	Mg	Ca	H	Na	Surface		Total										
			ppm	ppm	ppm													lbs/A	depth IN										lbs/A	
Report Number	07-255-0076	Grower:	HILLCREST DAIRY FARM 6003 TRACT 4660 FIELD 7 57 ACRES										Analysis Date:					SEP 14, 2007												
7768840	T4660-7-16	2.2	14	54	14	188	506	2286		7.7		16.1	3.0	26.2	70.8															
7768841	T4660-7-17	2.4	19	33		196	516	2062		6.4	6.8	16.6	3.0	25.9	62.1	9.0														
Report Number	07-255-0079	Grower:	HILLCREST DAIRY FARM 6003 TRACT 4660 FIELD 1 52 ACRES										Analysis Date:					SEP 14, 2007												
7768875	T4660-1-14	1.7	11	68		146	564	1852		7.1		14.3	2.6	32.9	64.5															
7768876	T4660-1-15	1.9	20	39		183	471	2144		7.2		15.1	3.1	26.0	70.9															
7768877	T4660-1-16	1.8	15	43		189	529	2301		7.2		16.4	3.0	26.9	70.1															
7768878	T4660-1-17	1.9	13	24		161	587	2182		6.9		16.2	2.5	30.2	67.3															
7768879	T4660-1-18	1.4	11	65	11	156	591	2085		7.7		15.8	2.5	31.2	66.3															
Report Number	07-255-0082	Grower:	HILLCREST DAIRY FARM 6003 TRACT 4187 FIELD 5 3 ACRES										Analysis Date:					SEP 14, 2007												
7768884	T4187-5-1	1.8	19	46	10	140	615	2125		7.5		16.1	2.2	31.8	66.0															
Report Number	07-255-0085	Grower:	HILLCREST DAIRY ELMWOOD IL 61529 FARM 6003 TRACT 4185 FIELD 10 6 ACRES										Analysis Date:					SEP 14, 2007												
7768888	T4185-10-1	2.3	22	23		211	482	2680		7.6		18.0	3.0	22.3	74.7															
7768889	T4185-10-2	2.7	10	26	10	148	643	2556		7.3		18.5	2.1	29.0	68.9															
Report Number	07-255-0088	Grower:	HILLCREST DAIRY FARM 6003 TRACT 4187 FIELD 1 159 ACRES										Analysis Date:					SEP 14, 2007												
7768919	T4187-1-1	2.0	7	47	8	152	462	2301		8.0		15.7	2.5	24.5	73.0															
7768920	T4187-1-2	2.3	21	41		235	561	2197		7.2		16.3	3.7	28.7	67.6															
7768922	T4187-1-3	2.5	15	26		170	499	2241		6.8		15.8	2.8	26.3	70.9															
7768923	T4187-1-4	3.2	25	41		197	501	2287		6.6	6.9	17.1	3.0	24.4	66.9	5.7														
7768924	T4187-1-5	2.6	15	33	16	200	654	2473		7.6		18.3	2.8	29.8	67.4															
7768925	T4187-1-6	2.8	19	29		164	518	2072		6.1	6.7	17.6	2.4	24.5	58.9	14.2														
7768926	T4187-1-7	2.7	23	39		194	553	2122		7.6		15.7	3.2	29.4	67.4															
7768927	T4187-1-8	1.5	12	40	16	208	591	2089		7.8		15.9	3.4	31.0	65.6															
7768928	T4187-1-9	1.9	22	39		196	498	2002		7.2		14.7	3.4	28.2	68.4															
7768929	T4187-1-10	1.9	29	54		210	486	1762		7.2		13.4	4.0	30.2	65.8															
7768930	T4187-1-11	1.9	8	20	9	183	723	2448		7.1		18.7	2.5	32.2	65.3															
7768931	T4187-1-12	2.1	11	39	11	172	572	2186		7.1		16.1	2.7	29.6	67.7															
7768932	T4187-1-13	2.1	22	46	25	210	565	2441		7.8		17.5	3.1	26.9	70.0															
7768933	T4187-1-14	2.6	20	30		196	531	2111		6.1	6.7	18.0	2.8	24.6	58.6	14.0														
7768934	T4187-1-15	2.6	13	39		161	541	2158		6.8		15.7	2.6	28.7	68.7															

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8510 N KNOXVILLE AVE #173

PEORIA IL

61615-2034

Lab Number	Sample Id	OM	Phosphorus			K	Mg	Ca	Na	pH	BpH	CEC meq/100	Percent Base Saturation					Nitrate			S	Zn	Mn	Fe	Cu	B	Excess Lime Rate	Soluble Salts												
			P <sub>1</sub>	P <sub>2</sub>	Bic													Surface		Total																				
			%	ppm	ppm								ppm	ppm	ppm	ppm	ppm	K	Mg	Ca									H	Na	ppm	lbs/A	depth IN	lbs/A	ppm	ppm	ppm	ppm	ppm	ppm
Report Number	07-255-0088	Grower:	HILLCREST DAIRY FARM 6003 TRACT 4187 FIELD 1 159 ACRES														Analysis Date:		SEP 14, 2007																					
7768935	T4187-1-16	2.1	4	66	8	148	584	2199		7.9		16.2	2.3	30.0	67.7																									
7768936	T4187-1-17	2.8	19	36		184	658	2822		7.5		20.1	2.3	27.3	70.4																									
7768937	T4187-1-18	2.6	17	31		197	612	2726		6.8		19.2	2.6	26.6	70.8																									
7768938	T4187-1-19	2.6	18	40		179	650	2555		7.0		18.7	2.5	29.0	68.5																									
7768939	T4187-1-20	2.3	12	46		192	618	2313		6.9		17.2	2.9	29.9	67.2																									
7768940	T4187-1-21	2.1	11	28		144	511	2645		7.2		17.9	2.1	23.8	74.1																									
7768941	T4187-1-22	2.3	11	18		171	614	2072		6.1	6.7	18.5	2.4	27.7	56.0	13.9																								
7768942	T4187-1-23	2.0	10	46	10	181	504	2264		7.3		16.0	2.9	26.2	70.9																									
7768943	T4187-1-24	1.8	10	34		208	691	2284		6.9		17.7	3.0	32.5	64.5																									
7768944	T4187-1-25	2.3	8	45		125	488	2189		7.0		15.3	2.1	26.6	71.3																									
7768945	T4187-1-26	2.0	11	36	11	152	641	2239		7.4		16.9	2.3	31.6	66.1																									
7768946	T4187-1-27	2.6	12	32		202	552	2448		6.8		17.4	3.0	26.4	70.6																									
7768947	T4187-1-28	2.4	21	42		172	580	2278		6.6	6.8	17.8	2.5	27.2	64.0	6.3																								
7768948	T4187-1-29	2.0	12	33		149	625	2321		7.0		17.2	2.2	30.3	67.5																									
7768949	T4187-1-30	2.2	19	44		178	610	2509		6.9		18.1	2.5	28.1	69.4																									
7768950	T4187-1-31	2.3	17	36		169	580	2411		7.0		17.3	2.5	27.9	69.6																									
7768951	T4187-1-32	2.2	19	46	17	149	640	2325		7.5		17.3	2.2	30.8	67.0																									

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PEORIA IL

61615-2034

Lab Number	Sample Id	OM	Phosphorus			K	Mg	Ca	Na	pH	BpH	CEC meq/100	Percent Base Saturation				Nitrate		S	Zn	Mn	Fe	Cu	B	Excess Lime Rate	Soluble Salts mmhos/cm	Al ppm	Cl ppm	Sand %	Silt %	Clay %	Soil Type	NH <sub>3</sub> N ppm	TKN ppm	ENR	Mehlich P Color ppm								
			P <sub>1</sub>	P <sub>2</sub>	Bic								K	Mg	Ca	H	Na	ppm																			lbs/A	depth IN	lbs/A	ppm	ppm	ppm	ppm	ppm
			%	ppm	ppm								ppm	ppm	ppm	ppm	ppm	K																			Mg	Ca	H	Na	ppm	lbs/A	depth IN	lbs/A
Report Number	07-292-0264 Grower: HILLCREST DAIRY TRACT 4187 FIELD 1 WEST PART 69 ACRES Analysis Date: OCT 23, 2007																											2.2 32 362 7.4																
7871243	T4187-1W-1	2.5	18	34		229	568	2229		7.2		16.5	3.6	28.7	67.7																													
7871244	T4187-1W-2	2.1	23	43		188	649	2367		7.4		17.7	2.7	30.6	66.7																													
7871245	T4187-1W-3	2.0	12	17		160	466	1936		5.8	6.6	17.3	2.4	22.4	56.0	19.2																												
7871246	T4187-1W-4	1.2	11	26		150	542	2331		7.1		16.6	2.3	27.2	70.5																													
7871247	T4187-1W-5	2.2	11	45	12	139	498	2361		7.8		16.3	2.2	25.5	72.3																													
7871248	T4187-1W-6	2.0	14	32	14	196	555	2117		7.7		15.7	3.2	29.5	67.3																													
7871249	T4187-1W-7	1.9	12	30		188	517	2092		7.1		15.3	3.2	28.2	68.6																													
7871250	T4187-1W-8	1.8	19	46		167	516	1850		7.4		14.0	3.1	30.7	66.2																													
7871251	T4187-1W-9	2.0	20	40		178	573	2054		7.4		15.5	2.9	30.8	66.3																													
7871252	T4187-1W10	1.5	6	36	6	136	490	2063		7.9		14.7	2.4	27.8	69.8																													
7871253	T4187-1W11	2.3	14	26		173	508	1997		7.5		14.7	3.0	28.8	68.2																													
7871254	T4187-1W12	2.1	15	30		160	514	1945		6.7		14.4	2.8	29.7	67.5																													
7871255	T4187-1W13	2.3	13	33	8	174	620	2481		7.1		18.0	2.5	28.7	68.8																													
7871256	T4187-1W14	2.1	15	46	11	188	613	2346		7.7		17.3	2.8	29.5	67.7																													
7871257	T4187-1W15	2.2	11	25		151	543	2169		6.7		15.8	2.5	28.6	68.9																													
7871259	T4187-1W16	2.0	12	30	12	182	543	2172		7.3		15.9	2.9	28.5	68.6																													
7871260	T4187-1W17	2.3	18	50	20	183	481	2109		7.7		15.0	3.1	26.7	70.2																													
7871261	T4187-1W18	2.3	15	34		165	515	1993		7.6		14.7	2.9	29.2	67.9																													
7871262	T4187-1W19	2.3	29	49		229	530	2083		7.4		15.4	3.8	28.7	67.5																													
7871263	T4187-1W20	2.0	33	56		243	539	2145		7.7		15.8	3.9	28.4	67.7																													
7871264	T4187-1W21	2.3	16	41	11	235	649	2147		7.5		16.7	3.6	32.4	64.0																													
7871265	T4187-1W22	2.2	19	29		208	643	2055		7.2		16.2	3.3	33.1	63.6																													
7871266	T4187-1W23	2.1	25	45		197	582	2100		7.6		15.9	3.2	30.5	66.3																													
7871267	T4187-1W24	2.2	20	38		177	648	2255		7.7		17.1	2.7	31.6	65.7																													
7871268	T4187-1W25	2.5	27	57		191	506	2196		7.1		15.7	3.1	26.9	70.0																													
7871269	T4187-1W26	2.2	28	46		176	501	2249		7.0		15.9	2.8	26.3	70.9																													
7871270	T4187-1W27	2.5	32	55		216	601	2253		7.5		16.8	3.3	29.8	66.9																													
7871271	T4187-1W28	2.6	16	29		171	529	2155		6.4	6.8	17.1	2.6	25.8	63.0	8.6																												
7871272	T4187-1W29	2.5	25	49		181	679	2455		7.6		18.4	2.5	30.8	66.7																													

REPORT DATE OCT 25, 2007

ACCOUNT NO. 21192

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PEORIA IL  
61615-2034

Lab Number	Sample Id	OM %	Phosphorus			K ppm	Mg ppm	Ca ppm	Na ppm	pH	BpH	CEC meq/100	Percent Base Saturation				Nitrate		S ppm	Zn ppm	Mn ppm	Fe ppm	Cu ppm	B ppm	Excess Lime Rate	Soluble Salts mmhos/cm	Al ppm	Cl ppm	Sand %	Silt %	Clay %	Soil Type	NH <sub>3</sub> -N ppm	TKN ppm	ENR	Mehlich P Color ppm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
			P <sub>1</sub> ppm	P <sub>2</sub> ppm	Bic ppm								K %	Mg %	Ca %	H %	Na %	Surface ppm																			Total ppm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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REPORT DATE OCT 25, 2007

ACCOUNT NO. 21192

HILLCREST DAIRY  
23318 W TAGGERT RDSAM DILSAVER  
ELMWOOD IL  
61629Midwest  
Laboratories13611 78<sup>th</sup> Street • Omaha, Nebraska 68144-3603  
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COPY TO 17585

ILLINOIS NUTRIENT PLANNERS  
MAIN ACCOUNT8510 N KNOXVILLE AVE #173  
PEORIA IL  
61615-2034

Lab Number	Sample Id	OM Phosphorus				K	Mg	Ca	Na	pH	BpH	CEC meq/100	Percent Base Saturation				Nitrate		S	Zn	Mn	Fe	Cu	B	Excess Lime Rate	Soluble Salts	Al ppm	Cl ppm	Sand %	Silt %	Clay %	Soil Type	NH <sub>3</sub> -N ppm	TKN ppm	ENR	Mehlich-P Color ppm							
		P <sub>1</sub>	P <sub>2</sub>	Bic	K								Mg	Ca	H	Na	ppm	lbs/A																			depth IN	lbs/A	ppm	ppm	ppm	ppm	ppm
		%	ppm	ppm	ppm								ppm	ppm	ppm	ppm	K	Mg								Ca											H	Na	ppm	lbs/A	depth IN	lbs/A	ppm
Report Number	07-292-0271	Grower: HILLCREST DAIRY FARM 6003 TRACT 4271 FIELD 3.9 ACRES														Analysis Date: OCT 23, 2007												1.9 16 268 6.5															
7871296	T4271-3-1	1.9	8	12		152	361	1696		6.5	6.9	12.9	3.0	23.3	65.7	8.0																											
7871297	T4271-3-2	1.9	5	10		121	287	1479		6.3	6.8	11.3	2.7	21.2	65.4	10.7																											
7871298	T4271-3-3	1.9	9	16		134	347	1757		6.7		12.0	2.9	24.1	73.0																												
Report Number	07-292-0272	Grower: HILLCREST DAIRY FARM 6003 TRACT 4271 FIELD 4.6 ACRES														Analysis Date: OCT 23, 2007												2.55 196 490 6.7															
7871300	T4271-4-1	1.7	8	13		160	478	2143		6.6	6.9	16.1	2.5	24.7	66.6	6.2																											
7871301	T4271-4-2	3.4	188	189		330	427	1999		6.8		14.4	5.9	24.7	69.4																												
Report Number	07-292-0273	Grower: HILLCREST DAIRY FARM 6003 TRACT 4271 FIELD 5.3 ACRES														Analysis Date: OCT 23, 2007																											
7871302	T4271-5-1	2.8	24	53		126	274	1717		6.5	6.9	12.1	2.7	18.9	71.0	7.4																											
Report Number	07-292-0274	Grower: HILLCREST DAIRY ELMWOOD JL 61529 FARM 6003 TRACT 4185 FIELD 6.38 ACRES														Analysis Date: OCT 23, 2007												2.05 32 321 6.9															
7871303	T4185-6-1	1.8	22	35		103	410	1640		6.6	6.9	12.7	2.1	26.9	64.6	6.4																											
7871304	T4185-6-2	1.9	18	32		111	302	1413		5.5	6.6	13.4	2.1	18.8	52.7	26.4																											
7871305	T4185-6-3	2.0	20	37		169	688	2111		6.9		16.7	2.6	34.3	63.1																												
7871306	T4185-6-4	1.8	18	45		130	579	1815		7.4		14.2	2.3	34.0	63.7																												
7871307	T4185-6-5	1.7	11	55		130	570	1907		7.7		14.6	2.3	32.5	65.2																												
7871308	T4185-6-6	2.4	15	36		160	484	2114		6.9		15.0	2.7	26.9	70.4																												
7871309	T4185-6-7	2.5	15	29		187	543	2055		6.9		15.3	3.1	29.6	67.3																												
7871310	T4185-6-8	2.3	12	34	10	175	619	2160		7.6		16.4	2.7	31.5	65.8																												
7871311	T4185-6-9	2.5	17	24		177	559	2027		6.2	6.7	17.3	2.6	26.9	58.6	11.9																											
7871312	T4185-6-10	2.3	9	27	6	161	641	2277		7.3		17.1	2.4	31.2	66.4																												
7871313	T4185-6-11	2.1	17	26		183	602	2094		6.4	6.8	17.6	2.7	28.5	59.5	9.3																											
7871314	T4185-6-12	1.5	14	35		138	495	1599		6.3	6.8	14.0	2.5	29.5	57.1	10.9																											