

Westridge Dairy  
Fertilizer Nutrient Budget

Crop Year 2009

Soil Type		Buildup Target	
Soil Classification for Lime			C
P Supply	Low	P	50
K Supply	Low	K	260

														Manure			Previous	Commercial Fertilizer				Nutrients Available for Future Crops					
Field		Previous Crop	Current Crop		Double Crop		Maintenance Nutrient Needs			Soil Test Lbs/A			Buildup Needs		Nutrients Applied			Crop N Credits	Recommendation <sup>A</sup>				Mineralized N				
ID	Name		Crop	Yield Goal	Crop	Yield Goal	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	pH	P1	K	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O		Lime	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	2010	2011	2012	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O
1	Ames South 52	DC Soybeans	Corn Silage	25			150	66	175	7.0	114	488	0	0	80	93	124	20	0.0	50	0	0	9	5	2	27	0
2	Baker East	Corn Silage	Wheatlage	11	DC Soybeans	43	17	48	76	7.2	81	380	0	0	165	112	225	0	0.0	0	0	0	28	14	7	64	149
3	Road Bottom	Corn Grain	Corn Silage	25			150	66	175	0.0	0	0	0	0	150	102	204	0	0.0	0	0	0	25	13	6	36	29
4	Faust Road	Soybeans	Corn Silage	25			150	66	175	6.1	98	415	0	0	110	75	15	40	1.6	0	0	0	19	9	5	9	0
5	John Liefer	Corn Silage	Wheatlage	11	DC Soybeans	43	17	48	76	7.1	148	552	0	0	161	110	220	0	0.0	0	0	0	27	14	7	62	144
7	Menard 24	Corn Silage	Soybeans	42			0	36	55	0.0	0	0	0	0	158	107	214	0	0.0	0	0	0	27	13	7	71	159
8	Nicholson 12	Soybeans	Corn Silage	25			150	66	175	6.3	51	367	0	0	80	93	124	40	0.8	30	0	0	9	5	2	27	0
9	Parler East & West	DC Soybeans	Corn Silage	25			150	66	175	7.4	226	676	0	0	110	75	150	20	0.0	20	0	0	19	9	5	9	0
11	Rogers 44	Corn Grain	Soybeans	42			0	36	55	0.0	0	0	0	0	158	107	214	0	0.0	0	0	0	27	13	7	71	159
12	Ruez Bottom	Corn Silage	Corn Grain	124			149	53	35	7.3	216	395	0	0	149	101	203	0	0.0	0	0	0	25	13	6	48	168
13	Wood Bridge	Soybeans	Corn Silage	25			150	66	175	7.3	99	547	0	0	80	93	124	40	0.0	30	0	0	9	5	2	27	0
14	Ruez Park South 30	Corn Silage	Wheatlage	11	DC Soybeans	44	17	49	77	7.4	194	499	0	0	165	112	225	0	0.0	0	0	0	28	14	7	63	148
16	Sievers 13	Corn Silage	Soybeans	43			0	37	56	0.0	0	0	0	0	161	110	220	0	0.0	0	0	0	27	14	7	73	164
17	Tower 16	Corn Grain	Soybeans	44			0	37	57	7.7	126	366	0	0	165	112	225	0	0.0	0	0	0	28	14	7	75	168
19	V V & McBride	Corn Silage	Soybeans	43			0	37	56	7.1	70	392	0	0	161	110	220	0	0.0	0	0	0	27	14	7	73	164

Footnotes: A - Buildup application is spread out over four fertilizer applications for P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O and one application for Lime being built to 6.5 pH.  
No phosphorus will be applied if P1 values are higher than 60, 65, and 70 for soils in the high, medium, and low phosphorus supplying regions, respectively.  
No potassium will be applied if K values are higher than 360 and 400 for the low and high cation-exchange capacity regions, respectively.

Westridge Dairy  
Fertilizer Nutrient Budget

Crop Year     2010

Soil Type		Buildup Target	
Soil Classification for Lime		C	
P Supply	Low	P	50
K Supply	Low	K	260

													Carryover Nutrients Available from Previous Applications							Manure			Previous	Commercial Fertilizer				Nutrients Available for Future Crops				
Field		Previous Crop	Current Crop		Double Crop		Maintenance Nutritent Needs			Soil Test Lbs/A			Mineralized N				Buildup Needs		Nutrients Applied			Crop N Credits	Recommendation <sup>A</sup>				Mineralized N					
ID	Name		Crop	Yield Goal	Crop	Yield Goal	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	pH	P1	K	2009	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Lime		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	2011	2012	2013	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O		
1	Ames South 52	Corn Silage	Wheatlage	11	DC Soybeans	44	17	49	77	7.0	114	488	9	27	0	0	0	156	106	212	0	0.0	0	0	0	26	13	7	84	135		
2	Baker East	DC Soybeans	Corn Silage	25			150	66	175	7.2	81	380	28	64	149	0	0	82	95	127	20	0.0	20	0	0	10	5	2	93	0		
3	Road Bottom	Corn Silage	Corn Grain	123			148	53	34	0.0	0	0	25	36	29	0	0	123	72	143	0	0.0	0	0	0	15	7	4	55	80		
4	Faust Road	Corn Silage	Soybeans	44			0	37	57	6.1	98	415	19	9	0	0	0	146	99	199	0	0.0	0	0	0	25	12	6	70	142		
5	John Liefer	DC Soybeans	Corn Silage	25			150	66	175	7.1	148	552	27	62	144	0	0	83	57	113	20	0.0	20	0	0	14	7	4	53	0		
7	Menard 24	Soybeans	Corn Silage	25			150	66	175	0.0	0	0	27	71	159	0	0	83	57	113	40	0.0	0	0	0	14	7	4	62	0		
8	Nicholson 12	Corn Silage	Soybeans	39			0	33	51	6.3	51	367	9	27	0	0	0	137	77	153	0	0.0	0	0	0	19	10	5	71	102		
9	Parler East & West	Corn Silage	Wheatlage	11	DC Soybeans	43	17	48	76	7.4	226	676	19	9	0	0	0	142	97	194	0	0.0	0	0	0	24	12	6	58	118		
11	Rogers 44	Soybeans	Corn Grain	129			155	55	36	0.0	0	0	27	71	159	0	0	88	51	103	40	0.0	0	0	0	11	5	3	67	0		
12	Ruez Bottom	Corn Grain	Corn Silage	25			150	66	175	7.3	216	395	25	48	168	0	0	125	85	170	0	0.0	0	0	0	21	11	5	66	0		
13	Wood Bridge	Corn Silage	Soybeans	41			0	35	53	7.3	99	547	9	27	0	0	0	145	99	197	0	0.0	0	0	0	25	12	6	91	144		
14	Ruez Park South 30	DC Soybeans	Corn Silage	25			150	66	175	7.4	194	499	28	63	148	0	0	92	108	144	20	0.0	10	0	0	11	5	3	105	0		
16	Sievers 13	Soybeans	Corn Silage	25			150	66	175	0.0	0	0	27	73	164	0	0	92	58	117	40	0.0	0	0	0	17	9	4	65	0		
17	Tower 16	Soybeans	Corn Silage	25			150	66	175	7.7	126	366	28	75	168	0	0	103	70	141	40	0.0	0	0	0	18	9	4	78	0		
19	V V & McBride	Soybeans	Corn Silage	25			150	66	175	7.1	70	392	27	73	164	0	0	83	57	113	40	0.0	0	0	0	14	7	4	64	0		

Footnotes:    **A** - Buildup application is spread out over four fertilizer applications for P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O and one application for Lime being built to 6.5 pH.  
No phosphorus will be applied if P1 values are higher than 60, 65, and 70 for soils in the high, medium, and low phosphorus supplying regions, respectively.  
No potassium will be applied if K values are higher than 360 and 400 for the low and high cation-exchange capacity regions, respectively.

Westridge Dairy  
Fertilizer Nutrient Budget

Crop Year     2011

Soil Type		Buildup Target	
Soil Classification for Lime			C
P Supply	Low	P	50
K Supply	Low	K	260

													K Supply				Low		K		260		Carryover Nutrients Available from Previous Applications													Manure					Previous		Commercial Fertilizer					Nutrients Available for Future Crops				
Field		Previous Crop	Current Crop		Double Crop		Maintenance Nutrient Needs			Soil Test Lbs/A			Mineralized N				Buildup Needs		Nutrients Applied			Crop N Credits	Crop Recommendation <sup>A</sup>	Mineralized N																												
ID	Name		Crop	Yield Goal	Crop	Yield Goal	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	pH	P1	K	2009	2010	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O			Lime	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	2012	2013	2014	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O																				
1	Ames South 52	DC Soybeans	Corn Silage	25			150	66	175	7.0	114	488	5	26	84	135	0	0	79	92	122	20	0.0	20	0	0	9	5	2	1	0																					
2	Baker East	Corn Silage	Wheatlage	11	DC Soybeans	43	17	48	76	7.2	81	380	14	10	93	0	0	0	97	66	132	0	0.0	0	0	0	17	8	4	83	125																					
3	Road Bottom	Corn Grain	Corn Silage	25			150	66	175	0.0	0	0	13	15	55	80	0	0	122	71	143	0	0.0	0	0	32	15	7	4	0	95																					
4	Faust Road	Soybeans	Corn Silage	25			150	66	175	6.1	98	415	9	25	70	142	0	0	76	52	103	40	0.0	0	0	0	13	6	3	0	0																					
5	John Liefer	Corn Silage	Wheatlage	11	DC Soybeans	43	17	48	76	7.1	148	552	14	14	53	0	0	0	133	78	156	0	0.0	0	0	0	16	8	4	55	149																					
7	Menard 24	Corn Silage	Soybeans	42			0	36	55	0.0	0	0	13	14	62	0	0	0	131	89	178	0	0.0	0	0	0	22	11	6	96	178																					
8	Nicholson 12	Soybeans	Corn Silage	25			150	66	175	6.3	51	367	5	19	71	102	0	0	86	100	133	40	0.0	0	0	0	10	5	2	0	24																					
9	Parler East & West	DC Soybeans	Corn Silage	25			150	66	175	7.4	226	676	9	24	58	118	0	0	77	49	98	20	0.0	20	0	0	15	7	4	0	0																					
11	Rogers 44	Corn Grain	Soybeans	42			0	36	55	0.0	0	0	13	11	67	0	0	0	134	91	182	0	0.0	0	0	0	23	11	6	103	182																					
12	Ruez Bottom	Corn Silage	Corn Grain	124			149	53	35	7.3	216	395	13	21	66	0	0	0	115	78	156	0	0.0	0	0	0	19	10	5	110	149																					
13	Wood Bridge	Soybeans	Corn Silage	25			150	66	175	7.3	99	547	5	25	91	144	0	0	80	54	109	40	0.0	0	0	0	14	7	3	0	0																					
14	Ruez Park South 30	Corn Silage	Wheatlage	11	DC Soybeans	44	17	49	77	7.4	194	499	14	11	105	0	0	0	140	95	191	0	0.0	0	0	0	24	12	6	123	184																					
16	Sievers 13	Corn Silage	Soybeans	43			0	37	56	0.0	0	0	14	17	65	0	0	0	133	78	156	0	0.0	0	0	0	16	8	4	87	156																					
17	Tower 16	Corn Grain	Soybeans	44			0	37	57	7.7	126	366	14	18	78	0	0	0	133	91	181	0	0.0	0	0	0	23	11	6	112	173																					
19	V V & McBride	Corn Silage	Soybeans	43			0	37	56	7.1	70	392	14	14	64	0	0	0	137	93	187	0	0.0	0	0	0	23	12	6	101	180																					

Footnotes:    **A** - Buildup application is spread out over four fertilizer applications for P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O and one application for Lime being built to 6.5 pH.  
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