

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

ID	Field Name	Previous Crop	Current Crop		Double Crop		Maintenance Nutrient Needs			Soil Test Lbs/A			Buildup Needs			Manure Nutrients Applied			Previous Crop N Credits	Commercial Fertilizer Recommendation ^A				Nutrients Available for Future Crops				
			Crop	Yield Goal	Crop	Yield Goal	N	P ₂ O ₅	K ₂ O	pH	P1	K	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Lime		N	P ₂ O ₅	K ₂ O	Mineralized N					
																								2010	2011	2012	P ₂ O ₅	K ₂ 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 P₂O₅ and K₂O 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.

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ID	Field Name	Previous Crop	Current Crop		Double Crop		Maintenance Nutrient Needs			Soil Test Lbs/A			Carryover Nutrients Available from Previous Applications					Manure			Previous Crop N Credits	Commercial Fertilizer Recommendation ^A				Nutrients Available for Future Crops				
													Mineralized N		Buildup Needs		Nutrients Applied			Lime				2011		2012		2013		
													2009	P ₂ O ₅	K ₂ O	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O		N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ 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

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Soil Classification for Lime			C
P Supply	Low	P	50
K Supply	Low	K	260

ID	Field Name	Previous Crop	Current Crop		Double Crop		Maintenance Nutrient Needs			Soil Test Lbs/A			Carryover Nutrients Available from Previous Applications				Buildup Needs		Manure			Previous Crop N Credits	Commercial Fertilizer Recommendation ^A				Nutrients Available for Future Crops					
			Crop	Yield Goal	Crop	Yield Goal	N	P ₂ O ₅	K ₂ O	pH	P1	K	2009	2010	P ₂ O ₅	K ₂ O	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O		Lime	N	P ₂ O ₅	K ₂ O	2012	2013	2014	P ₂ O ₅	K ₂ 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	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	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	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	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	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	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	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	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	137	93	187	0	0.0	0	0	0	23	12	6	101	180	

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