

**Projected Soil P & K Levels
Rancho Cantera LLC**

Field Name	Acres	Current Soil Test		Change in Test		Projected Soil Test		Time to Reach 300 lbs/ac
		P	K	P	K	P	K	
R/C 116	101.83	257	787	-19	11	238	798	-9
R/C 19.1	0	322	965	-37	-55	284	910	2
R/C 40	31.56	120	464	-19	11	101	475	-39
R/C 8.1	8.1	92	355	-19	11	73	366	-45
R/C 2.5	0	590	1357	-37	-55	553	1302	31
R/C 24.2	24.2	50	234	-19	11	31	245	-54
R/C 4.9	3.7	--	--	-19	11	--	--	--
Schuldt	61.4	72	348	-9	44	63	392	-98
Todd S 76.1	53.5	40	177	-19	11	21	188	-56
Todd S 56.4	39.6	54	204	-19	11	35	215	-53
Todd S 4.9	4.9	151	366	-19	11	132	377	-32
Dales 2	24.5	61	220	-19	11	42	231	-51
Todd S 35.7 & 24.5	59.95	151	366	-19	11	132	377	-32
R/C 135.3	124.64	99	330	-19	11	81	341	-43
Wenzel 40	24.64	--	--	-19	11	--	--	--
Wenzel 120	85.31	--	--	-19	11	--	--	--
Wenzel 80	47.31	--	--	-19	11	--	--	--
Wenzel 80 South	48.94	--	--	-19	11	--	--	--
Wenzel 25	22.91	--	--	-19	11	--	--	--
Wenzel 15	15.39	--	--	-19	11	--	--	--
Wenzel 90	83.43	--	--	-19	11	--	--	--
Molitor 50	38.34	--	--	-19	11	--	--	--
Smittal 160	127.42	--	--	-9	44	--	--	--
Molitor 40	39.72	--	--	-9	44	--	--	--
Kleckenr 160	144.34	--	--	-19	11	--	--	--
Dan Hughes 95	74.33	--	--	-19	11	--	--	--

*Change in Soil Test = Crop uptake for 2007-2010 - Nutrients applied to field for 2007-2010 in manure
9 lbs P required to change soil test 1 lb
4 lbs K required to change soil test 1 lb*

Projected levels are based on planned crop rotations and planned manure applications.

**Rancho Cantera LLC
Supplemental Nutrients
Crop Year 2011**

Recommended Supplemental Nutrients if No Manure is Applied

Field Name	Acres	Crop	Yield	lbs N/ac	lbs P2O5 for Maintenance	lbs P2O5 for Buildup *	lbs K2O for Maintenance	lbs K2O for Buildup **
R/C 116	117.6	Corn	195	197	0	0	0	0
R/C 19.1	22.86	Corn	195	197	0	0	0	0
R/C 40	44.36	Corn	195	197	0	0	0	0
R/C 8.1	10.3	Corn	195	197	0	0	55	0
R/C 2.5	5.1	Corn	195	197	0	0	0	0
R/C 24.2	24.9	Corn	195	197	84	0	55	26
R/C 4.9	5.6	Corn	195	197	0	0	0	0
Schuldt	68.4	Corn	195	197	0	0	55	0
Todd S 76.1	76.1	Corn	195	197	84	11	55	83
Todd S 56.4	58.3	Corn	195	197	84	0	55	56
Todd S 4.9	10.5	Corn	195	197	0	0	0	0
Dales 2	31.5	Corn	195	197	84	0	55	40
Todd S 35.7 & 24.5	81.25	Corn	195	197	0	0	0	0
R/C 135.3	142.7	Corn	195	197	0	0	55	0
Wenzel 40	35.64	Corn	195	197	0	0	0	0
Wenzel 120	107.2	Corn	195	197	0	0	0	0
Wenzel 80	62.31	Corn	195	197	0	0	0	0
Wenzel 80 South	68.24	Corn	195	197	0	0	0	0
Wenzel 25	29.01	Corn	195	197	0	0	0	0
Wenzel 15	17.49	Corn	195	197	0	0	0	0
Wenzel 90	83.43	Corn	195	197	0	0	0	0
Molitor 50	40.64	Corn	195	197	0	0	0	0
Smittal 160	134.7	Corn	195	197	0	0	0	0
Molitor 40	40.72	Corn	195	197	0	0	0	0
Kleckner 160	147.9	Corn	195	197	0	0	0	0
Dan Hughes 95	78.93	Corn	195	197	0	0	0	0

* Buildup is based on buildup applications applied over a 4 year period. So, buildup = (9(Desired soil test - Actual soil test))/4

** Buildup is based on buildup applications applied over a 4 year period. So, buildup = (4(Desired soil test - Actual soil test))/4

**Rancho Cantera LLC
Supplemental Nutrients
Crop Year 2012**

Recommended Supplemental Nutrients if No Manure is Applied

Field Name	Acres	Crop	Yield	lbs N/ac	lbs P2O5 for Maintenance	lbs P2O5 for Buildup *	lbs K2O for Maintenance	lbs K2O for Buildup **
R/C 116	117.6	Corn	195	197	0	0	0	0
R/C 19.1	22.86	Corn	195	197	0	0	0	0
R/C 40	44.36	Corn	195	197	0	0	0	0
R/C 8.1	10.3	Corn	195	197	0	0	55	0
R/C 2.5	5.1	Corn	195	197	0	0	0	0
R/C 24.2	24.9	Corn	195	197	84	0	55	26
R/C 4.9	5.6	Corn	195	197	0	0	0	0
Schuldt	68.4	Corn	195	197	0	0	55	0
Todd S 76.1	76.1	Corn	195	197	84	11	55	83
Todd S 56.4	58.3	Corn	195	197	84	0	55	56
Todd S 4.9	10.5	Corn	195	197	0	0	0	0
Dales 2	31.5	Corn	195	197	84	0	55	40
Todd S 35.7 & 24.5	81.25	Corn	195	197	0	0	0	0
R/C 135.3	142.7	Corn	195	197	0	0	55	0
Wenzel 40	35.64	Corn	195	197	0	0	0	0
Wenzel 120	107.2	Corn	195	197	0	0	0	0
Wenzel 80	62.31	Corn	195	197	0	0	0	0
Wenzel 80 South	68.24	Corn	195	197	0	0	0	0
Wenzel 25	29.01	Corn	195	197	0	0	0	0
Wenzel 15	17.49	Corn	195	197	0	0	0	0
Wenzel 90	83.43	Corn	195	197	0	0	0	0
Molitor 50	40.64	Corn	195	197	0	0	0	0
Smittal 160	134.7	Corn	195	197	0	0	0	0
Molitor 40	40.72	Corn	195	197	0	0	0	0
Kleckenr 160	147.9	Corn	195	197	0	0	0	0
Dan Hughes 95	78.93	Corn	195	197	0	0	0	0

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** Buildup is based on buildup applications applied over a 4 year period. So, buildup = (4(Desired soil test - Actual soil test))/4

**Rancho Cantera LLC
Supplemental Nutrients
Crop Year 2013**

Recommended Supplemental Nutrients if No Manure is Applied

Field Name	Acres	Crop	Yield	lbs N/ac	lbs P2O5 for Maintenance	lbs P2O5 for Buildup *	lbs K2O for Maintenance	lbs K2O for Buildup **
R/C 116	117.6	Corn	195	197	0	0	0	0
R/C 19.1	22.86	Corn	195	197	0	0	0	0
R/C 40	44.36	Corn	195	197	0	0	0	0
R/C 8.1	10.3	Corn	195	197	0	0	55	0
R/C 2.5	5.1	Corn	195	197	0	0	0	0
R/C 24.2	24.9	Corn	195	197	84	0	55	26
R/C 4.9	5.6	Corn	195	197	0	0	0	0
Schuldt	68.4	Corn	195	197	0	0	55	0
Todd S 76.1	76.1	Corn	0	197	84	11	55	83
Todd S 56.4	58.3	Corn	195	197	84	0	55	56
Todd S 4.9	10.5	Corn	195	197	0	0	0	0
Dales 2	31.5	Corn	195	197	84	0	55	40
Todd S 35.7 & 24.5	81.25	Corn	195	197	0	0	0	0
R/C 135.3	142.7	Corn	195	197	0	0	55	0
Wenzel 40	35.64	Corn	195	197	0	0	0	0
Wenzel 120	107.2	Corn	195	197	0	0	0	0
Wenzel 80	62.31	Corn	195	197	0	0	0	0
Wenzel 80 South	68.24	Corn	195	197	0	0	0	0
Wenzel 25	29.01	Corn	195	197	0	0	0	0
Wenzel 15	17.49	Corn	195	197	0	0	0	0
Wenzel 90	83.43	Corn	195	197	0	0	0	0
Molitor 50	40.64	Corn	195	197	0	0	0	0
Smittal 160	134.7	Corn	195	197	0	0	0	0
Molitor 40	40.72	Corn	195	197	0	0	0	0
Kleckenr 160	147.9	Corn	195	197	0	0	0	0
Dan Hughes 95	78.93	Corn	195	197	0	0	0	0

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**Rancho Cantera LLC
Supplemental Nutrients
Crop Year 2014**

Recommended Supplemental Nutrients if No Manure is Applied

Field Name	Acres	Crop	Yield	lbs N/ac	lbs P2O5 for Maintenance	lbs P2O5 for Buildup *	lbs K2O for Maintenance	lbs K2O for Buildup **
R/C 116	117.6	Corn	195	197	0	0	0	0
R/C 19.1	22.86	Corn	195	197	0	0	0	0
R/C 40	44.36	Corn	195	197	0	0	0	0
R/C 8.1	10.3	Corn	195	197	0	0	55	0
R/C 2.5	5.1	Corn	195	197	0	0	0	0
R/C 24.2	24.9	Corn	195	197	84	0	55	26
R/C 4.9	5.6	Corn	195	197	0	0	0	0
Schuldt	68.4	Corn	195	197	0	0	55	0
Todd S 76.1	76.1	Corn	195	197	84	11	55	83
Todd S 56.4	58.3	Corn	195	197	84	0	55	56
Todd S 4.9	10.5	Corn	195	197	0	0	0	0
Dales 2	31.5	Corn	195	197	84	0	55	40
Todd S 35.7 & 24.5	81.25	Corn	195	197	0	0	0	0
R/C 135.3	142.7	Corn	195	197	0	0	55	0
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Wenzel 80	62.31	Corn	195	197	0	0	0	0
Wenzel 80 South	68.24	Corn	195	197	0	0	0	0
Wenzel 25	29.01	Corn	195	197	0	0	0	0
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