

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
Kleckenr 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

* 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 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

* 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 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
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

* 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