

Job Name: **Juanfran Lopez**

Date: 6/1/2016

Company: **Ragmans Lane Farm**

Submitted By:

Sample Location		ORCH-T	ORCH-C-R	ORCH-T-R	ORCH-C	
Sample ID						
Lab Number		36	37	38	35	
Sample Depth in inches		6	6	6	6	
Total Exchange Capacity (M. E.)		17.35	13.84	15.22	14.31	
pH of Soil Sample		6.6	6.7	7.3	6.4	
Organic Matter, Percent		5.58	4.76	5.11	5.62	
SULFUR:	p.p.m.	5	5	5	5	
Mehlich III Phosphorous:	as (P ₂ O ₅) lbs / acre	30	31	23	47	
CALCIUM:	Desired Value	4719	3764	4138	3892	
	Value Found	4662	3476	3635	3794	
	lbs / acre Deficit	-57	-288	-503	-98	
MAGNESIUM:	Desired Value	499	398	438	412	
	Value Found	834	852	1219	592	
	lbs / acre Deficit					
POTASSIUM:	Desired Value	541	431	474	446	
	Value Found	183	167	208	190	
	lbs / acre Deficit	-358	-264	-266	-256	
SODIUM:	lbs / acre	52	52	73	50	
Calcium (60 to 70%)		67.17	62.79	59.73	66.28	
Magnesium (10 to 20%)		20.03	25.65	33.38	17.24	
Potassium (2 to 5%)		1.35	1.55	1.75	1.70	
Sodium (.5 to 3%)		0.65	0.82	1.05	0.76	
Other Bases (Variable)		4.80	4.70	4.10	5.00	
Exchangable Hydrogen (10 to 15%)		6.00	4.50	0.00	9.00	
Boron (p.p.m.)		0.62	0.66	0.84	0.66	
Iron (p.p.m.)		111	197	119	186	
Manganese (p.p.m.)		36	73	67	21	
Copper (p.p.m.)		2.2	2.96	3.16	2.93	
Zinc (p.p.m.)		7.34	8.89	6.94	6.27	
Aluminum (p.p.m.)		576	608	614	552	

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Sample Location		Orchard	Orchard			
Sample ID		G-C	G-T			
Lab Number		39	40			
Sample Depth in inches		6	6			
Total Exchange Capacity (M. E.)		12.69	15.00			
pH of Soil Sample		6.3	6.9			
Organic Matter, Percent		5.31	5.19			
SULFUR:	p.p.m.	7	6			
Mehlich III Phosphorous:	as (P ₂ O ₅) lbs / acre	36	26			
CALCIUM: lbs / acre	Desired Value	3451	4080			
	Value Found	3108	4166			
	Deficit	-343				
MAGNESIUM: lbs / acre	Desired Value	365	432			
	Value Found	620	807			
	Deficit					
POTASSIUM: lbs / acre	Desired Value	395	468			
	Value Found	184	154			
	Deficit	-211	-314			
SODIUM:	lbs / acre	55	58			
Calcium (60 to 70%)		61.23	69.42			
Magnesium (10 to 20%)		20.36	22.41			
Potassium (2 to 5%)		1.86	1.32			
Sodium (.5 to 3%)		0.94	0.84			
Other Bases (Variable)		5.10	4.50			
Exchangable Hydrogen (10 to 15%)		10.50	1.50			
Boron (p.p.m.)		0.63	0.67			
Iron (p.p.m.)		220	174			
Manganese (p.p.m.)		42	71			
Copper (p.p.m.)		2.91	2.57			
Zinc (p.p.m.)		9.44	9.13			
Aluminum (p.p.m.)		583	561			