

**Individual Field Information****Rancho Cantera LLC**

<b>Field Name:</b>	<u>Molitor 50</u>	<b>Total Acres</b>	40.6
		<b>Non-Spreadable Acres</b>	2.3
<b>Township</b>	Kent	<b>Total Spreadable Acres</b>	38.3
<b>Section</b>	15		
<b>FSA Farm #</b>	0	<b>Predominant Soil Type:</b>	419C2 Flagg silt loam
<b>FSA Tract #</b>	0	<b>P test</b>	--
<b>FSA Field #'s</b>	0	<b>K test</b>	--

**Individual Field Application & Nutrients**

<b>Crop needs</b>	<b>Year</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Crop		Corn	Corn	Corn	Corn	Corn	Corn
Yield	(bu/acre OR ton/acre)		195	195	195	195	195
N needed (lbs/ac)	lbs/ac		197	197	197	197	197
- Commercial fertilizer N credits	(lb/acre)						
- Manure N carryover credit **	(lb/acre)		0.0	0.0	11.9	6.0	14.9
Total N Credits	(lb/acre)		0.0	0.0	11.9	6.0	14.9
Crop N Need Minus Credits	(lb/acre)		197.0	197.0	185.1	191.0	182.1
Maintenance P needed *	(lb/acre)		83.9	83.9	83.9	83.9	83.9
Maintenance K needed *	(lb/acre)		54.6	54.6	54.6	54.6	54.6

\* Maintenance P & K needed are listed for calculation & uptake purposes only

\*\* Manure N carryover credit = Previous years' apps \* Org N \* Mineralization factor

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<b>Molitor 50</b>		<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
<b>Manure Application</b>		Corn	Corn	Corn	Corn	Corn	Corn
Storage				Holding Pond		Holding Pond	
Application Method				Broadcast		Broadcast	
Storage/Application Method				LINE1		LINE1	
1st Year Available N ( <i>Am-N * N retention due to app method</i> ) + ( <i>OrgN * .35</i> )	(Lbs/1000 Gal or Lbs/Ton)			4.27		4.27	
N App Rate ( <i>Crop N Need / 1st Yr Av N</i> )	(1000 Gal/Acre or Ton/Acre)			46.1		44.7	
P App Rate ( <i>Maintenance P / P in analysis</i> )	(1000 Gal/Acre or Ton/Acre)			23.29		23.29	
Apply at Prate or Nrate?				Prate		Prate	
<b>Application Rate to Use</b>	<b>(1000 Gal or Ton)</b>		<b>0.0</b>	<b>23.3</b>	<b>0.0</b>	<b>23.3</b>	<b>0.0</b>
Total application ( <i>App Rate * Spreadable Acres</i> )	(Gallons or Tons)			892,977		892,977	
N applied ( <i>1st Year AvN * App rate</i> )	(Lbs/Acre)			99		99	
P applied ( <i>P in manure * App rate</i> )	(Lbs/Acre)			84		84	
K applied ( <i>K in manure * App rate</i> )	(Lbs/Acre)			132		132	
<b>Additional N Needed</b>	<b>(Lbs/Acre)</b>		<b>197</b>	<b>98</b>	<b>185</b>	<b>92</b>	<b>182</b>
Acres Covered	(Acres)		0.0	38.3	0.0	38.3	0.0