

Deep Soil Sampling - Fall 2014

1001	Acres	4	NO3 (#N/ACRE) 10/31/2014	Year	Fertilizer Applications (#N/Acre)						Cropping History					Soil 18 - Cleman Very Fine Sandy Loam 0-2% Slopes									
	Soil Testing?	NO			Liquid Manure	Solid Manure	Com.	Bio	Comp	Other	Total	Crop 1	Crop 1 Yield	Crop 2	Crop 2 Yield	Condition	Hole	Consistency	Moisture	Roots	Refusal				
	Test Frequency				1 ft	8	2014	0	0	0	0	0	0	Pasture					Fair	A	S	M	6		
	Irrigation Type	Solid Set Above Canopy			2 ft	3	2013	0	0	0	0	0	0	Pasture						B	S	M	2		
	Irrigation Schedule	Routine Schedule			3 ft	3	2012	0	0	0	0	0	0	Pasture						C	S	M	4.2		
					4 ft	3	2011	0	0	0	0	0	0	0	Pasture						D	S	M	5.5	
					5 ft	5																			
	Hour Sets	24			6 ft	3																			
	Irrigation years				TOTAL	25																			
					NH4-N	28																			
		ORGANIC	1.87	Comments	Just 4 to 5 head of Cattle																				

1002	Acres	50	NO3 (#N/ACRE) 10/29/2014	Year	Fertilizer Applications (#N/Acre)						Cropping History					Soil 121 - Scoon Silt Loam 5-8% Slopes										
	Soil Testing?	YES			Liquid Manure	Solid Manure	Com.	Bio	Comp	Other	Total	Crop 1	Crop 1 Yield	Crop 2	Crop 2 Yield	Condition	Hole	Consistency	Moisture	Roots	Refusal					
	Test Frequency	Biannually			1 ft	285	2014	337.5	0	100	0	0	0	438	Triticale	5 Tons				Fair	Planned	A	S	M		3
	Irrigation Type	Wheel Lines			2 ft	124	2013	112.5	0	100	0	0	0	213	Wheat	65 Bushels						B	S	M		2.5
	Irrigation Schedule	Routine Schedule			3 ft	115	2012	0	0	0	0	0	0	0								C	S	M		2
					4 ft		2011	0	0	0	0	0	0	0								D	S	M		2
					5 ft																					
	Hour Sets				6 ft																					
	Irrigation years	2			TOTAL	524																				
					NH4-N	11																				
		ORGANIC	2.4	Comments																						

1003	Acres	25	NO3 (#N/ACRE) 10/29/2014	Year	Fertilizer Applications (#N/Acre)						Cropping History					Soil 120 - Scoon Silt Loam 2-5% Slopes										
	Soil Testing?	YES			Liquid Manure	Solid Manure	Com.	Bio	Comp	Other	Total	Crop 1	Crop 1 Yield	Crop 2	Crop 2 Yield	Condition	Hole	Consistency	Moisture	Roots	Refusal					
	Test Frequency	Annually			1 ft	65	2014	0	0	50	0	0	0	50	Cherries	8 Tons				Fair		A	S	M		3.2
	Irrigation Type	Drip			2 ft	6	2013	0	0	30	0	0	0	30	Cherries	4 Tons						B	S	M		3.2
	Irrigation Schedule	Routine Schedule			3 ft	3	2012	0	0	0	0	0	0	0								C	S	M		1.5
					4 ft		2011	0	0	0	0	0	0	0								D	S	M		2.6
					5 ft																					
	Hour Sets				6 ft																					
	Irrigation years				TOTAL	74																				
					NH4-N	5																				
		ORGANIC	1.43	Comments																						

1004	Acres	40	NO3 (#N/ACRE) 10/30/2014	Year	Fertilizer Applications (#N/Acre)						Cropping History					Soil 178 - Warden Silt Loam 5-8% Slopes										
	Soil Testing?	YES			Liquid Manure	Solid Manure	Com.	Bio	Comp	Other	Total	Crop 1	Crop 1 Yield	Crop 2	Crop 2 Yield	Condition	Hole	Consistency	Moisture	Roots	Refusal					
	Test Frequency				1 ft	177	2014	0	0	250	0	0	0	250	Corn Silage	25 Tons	Triticale	6 Tons		Fair		A	S	M		3.5
	Irrigation Type	Pivot			2 ft	79	2013	0	0	250	0	0	0	250	Corn Silage	25 Tons	TRITICALE	6 Tons				B	S	M		4.1
	Irrigation Schedule				3 ft	63	2012	0	0	250	0	0	0	250	Corn Silage	25 Tons	TRITICALE	6 Tons				C	S	M		3.2
					4 ft	69	2011	0	0	250	0	0	0	250	Corn Silage	25 Tons	TRITICALE	6 Tons				D	S	M		3.5
					5 ft	42																				
	Hour Sets				6 ft	50																				
	Irrigation years				TOTAL	480																				
					NH4-N	16																				
		ORGANIC	2.06	Comments																						

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1005	Acres	15	NO3 (#N/ACRE) 10/30/2014 1 ft 25 2 ft 3 3 ft 3 4 ft 3 5 ft 3 6 ft 4 TOTAL 41 NH4-N 20 ORGANIC 2.21	Fertilizer Applications (#N/Acre) Year Liquid Manure Solid Manure Com. Bio Comp Other Total 2014 0 0 0 0 0 0 0 2013 0 0 12 0 0 0 12 2012 0 0 12 0 0 0 12 2011 0 0 12 0 0 0 12	Cropping History Crop 1 Crop 1 Yield Crop 2 Crop 2 Yield Condition Mint 70 Lbs. Good Actual Corn Silage 35 Tons Corn Silage 35 Tons Corn Silage 35 Tons					Soil 177 - Warden Silt Loam 2-5% Slopes				
	Soil Testing?	YES								Comments The field has gotten manured for awhile. Solids are composted and spread as needed. Pond water is diluted down to irrigate with. No liquid sample taken.				
	Test Frequency	Annually to Biannually												
	Irrigation Type	Rill Irrigation and Hand Lines w/ Impacts												
	Irrigation Schedule	Routine Schedule												
	Hour Sets													
	Irrigation years													
	Hole	Consistency									Moisture	Roots	Refusal	
	A	S									M			
	B	S									M			
C	S	M												
D	S	M												
E														

1006	Acres	15	NO3 (#N/ACRE) 10/30/2014 1 ft 45 2 ft 4 3 ft 3 4 ft 3 5 ft 4 6 ft 3 TOTAL 62 NH4-N 20 ORGANIC 2.17	Fertilizer Applications (#N/Acre) Year Liquid Manure Solid Manure Com. Bio Comp Other Total 2014 0 0 100 0 0 0 100 2013 0 0 100 0 0 0 100 2012 0 0 100 0 0 0 100 2011 0 0 100 0 0 0 100	Cropping History Crop 1 Crop 1 Yield Crop 2 Crop 2 Yield Condition Alfalfa 9 Tons Fair Actual Alfalfa 10 Tons Alfalfa 10 Tons					Soil 179 - Warden Silt Loam 8-15% Slopes				
	Soil Testing?	NO								Comments 50 pounds of N in spring and 50 pounds of N after second cutting				
	Test Frequency													
	Irrigation Type	Wheel Lines												
	Irrigation Schedule	Soil Moisture Sensors												
	Hour Sets	24												
	Irrigation years	5												
	Hole	Consistency									Moisture	Roots	Refusal	
	A	S, S, SH									M, D, D	1.5		
	B	S, SH									M, M	5	5.5	
C	S	M	4.5	5										
D	S	M	5	5										
E														

1007	Acres	7	NO3 (#N/ACRE) 10/30/2014 1 ft 3 2 ft 3 3 ft 3 4 ft 3 5 ft 6 ft TOTAL 12 NH4-N 8 ORGANIC 1.09	Fertilizer Applications (#N/Acre) Year Liquid Manure Solid Manure Com. Bio Comp Other Total 2014 0 0 0 0 0 0 0 2013 0 0 0 0 0 0 0 2012 0 0 0 0 0 0 0 2011 0 0 0 0 0 0 0	Cropping History Crop 1 Crop 1 Yield Crop 2 Crop 2 Yield Condition FAILURE Poor Actual FAILURE Cherries Tons Crop Failure					Soil 179 - Warden Silt Loam 8-15% Slopes				
	Soil Testing?	NO								Comments Only leaf feed applied during crop year				
	Test Frequency													
	Irrigation Type	Solid Set Below Canopy												
	Irrigation Schedule													
	Hour Sets													
	Irrigation years	10												
	Hole	Consistency									Moisture	Roots	Refusal	
	A	S, SH									M, D	3.5	4	
	B	SH									D	1.9	1.9	
C	S, SH	M, D		3										
D	S, SH	M, D		3.5										
E														

1008	Acres	45	NO3 (#N/ACRE) 10/30/2014 1 ft 246 2 ft 73 3 ft 14 4 ft 3 5 ft 6 ft TOTAL 336 NH4-N 37 ORGANIC 1.39	Fertilizer Applications (#N/Acre) Year Liquid Manure Solid Manure Com. Bio Comp Other Total 2014 0 0 0 0 0 0 0 2013 0 0 0 0 0 0 0 2012 0 0 0 0 0 0 0 2011 0 0 0 0 0 0 0	Cropping History Crop 1 Crop 1 Yield Crop 2 Crop 2 Yield Condition Wine Grapes Poor Actual Wine Grapes Wine Grapes Wine Grapes					Soil 10 - Burke Silt Loam 2-5% Slopes				
	Soil Testing?	YES								Comments 9 acres of problem field raw manure application in adjacent acres subs into our wine grape rows				
	Test Frequency	Annually												
	Irrigation Type	Drip												
	Irrigation Schedule	Have coil moisture but use boots on ground												
	Hour Sets													
	Irrigation years	19												
	Hole	Consistency									Moisture	Roots	Refusal	
	A	S, S, S									D, M, D		3.1	
	B	S, S									M, D	3.3	3.3	
C	S	M		3										
D	S, S, S	M, D, M	4	4										
E														

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1009	Acres	10	NO	10/31/2014	Fertilizer Applications (#N/Acre)					Cropping History					Soil 177 - Warden Silt Loam 2-5% Slopes									
	Soil Testing?				Year	Liquid Manure	Solid Manure	Com.	Bio	Comp	Other	Total	Crop 1	Crop 1 Yield	Crop 2	Crop 2 Yield	Condition	Hole	Consistency	Moisture	Roots	Refusal		
	Test Frequency				2014	0	0	80	0	0	0	80					Good	A	S, S	M, D	3.2	3.4		
	Irrigation Type	Rill Irrigation			2013	0	0	80	0	0	0	80		8 Tons				B	S, S	M, D	2.8	3.2		
	Irrigation Schedule	Routine Schedule			2012	0	0	80	0	0	0	80		8 Tons				C	S, S	M, D	3.4	3.4		
					2011	0	0	80	0	0	0	80		8 Tons				D	S, S	M, D		3.6		
					TOTAL	136																		
	Hour Sets				NH4-N	10																		
	Irrigation years	99			ORGANIC	1.64	Comments																	

1010	Acres	2	NO	10/31/2014	Fertilizer Applications (#N/Acre)					Cropping History					Soil 178 - Warden Silt Loam 5-8% Slopes									
	Soil Testing?				Year	Liquid Manure	Solid Manure	Com.	Bio	Comp	Other	Total	Crop 1	Crop 1 Yield	Crop 2	Crop 2 Yield	Condition	Hole	Consistency	Moisture	Roots	Refusal		
	Test Frequency				2014	0	0	0	0	0	0	0	Pasture					A	S	M		2		
	Irrigation Type	Solid Set Above Canopy			2013	0	0	0	0	0	0	0	Pasture					B	S	M	2	2.8		
	Irrigation Schedule	Routine Schedule			2012	0	0	0	0	0	0	0	Pasture					C	S	M		2		
					2011	0	0	0	0	0	0	0	0	Pasture					D	S	M	2.6	2.6	
					TOTAL	168																		
	Hour Sets	6			NH4-N	17																		
	Irrigation years				ORGANIC	1.47	Comments 4 to 6 Head of cattle																	

1011	Acres	27	YES	10/31/2014	Fertilizer Applications (#N/Acre)					Cropping History					Soil 179 - Warden Silt Loam 8-15% Slopes									
	Soil Testing?				Year	Liquid Manure	Solid Manure	Com.	Bio	Comp	Other	Total	Crop 1	Crop 1 Yield	Crop 2	Crop 2 Yield	Condition	Hole	Consistency	Moisture	Roots	Refusal		
	Test Frequency	Annually			2014	90	0	0	0	0	0	90	Corn Silage	Tons			Good Actual	A	S, S, SH	M, M, M	3.7	4		
	Irrigation Type	Rill Irrigation			2013	90	0	0	0	0	0	90	Wheat	110 Bushels				B	S, S, SH	M, M, M	5			
	Irrigation Schedule	Routine Schedule			2012	90	0	0	0	0	0	90	Corn Silage	30 Tons				C	S, S, SH, S, SH, S	M, M, M, M, M	5.5			
					2011	90	0	0	0	0	0	90	Wheat	100 Bushels				D	S, S, SH	M, M, M	2	2		
					TOTAL	905																		
	Hour Sets	24			NH4-N	40																		
	Irrigation years				ORGANIC	3.18	Comments																	

1012	Acres	10	NO	11/4/2014	Fertilizer Applications (#N/Acre)					Cropping History					Soil 179 - Warden Silt Loam 8-15% Slopes									
	Soil Testing?				Year	Liquid Manure	Solid Manure	Com.	Bio	Comp	Other	Total	Crop 1	Crop 1 Yield	Crop 2	Crop 2 Yield	Condition	Hole	Consistency	Moisture	Roots	Refusal		
	Test Frequency				2014	0	0	0	0	0	0	0						A	S, SH, SH, SH, SH, SH	M, D, D, D, D, D	2.3	3		
	Irrigation Type	None			2013	0	0	0	0	0	0	0						B	S, SH, SH, SH	M, D, D, D	2.1	2.5		
	Irrigation Schedule				2012	0	0	0	0	0	0	0						C	S, SH, SH	M, D, D	1.2	1.5		
					2011	0	0	0	0	0	0	0	0						D	S, SH, SH	M, D, D	1.2	2.7	
					TOTAL	215																		
	Hour Sets				NH4-N	9																		
	Irrigation years				ORGANIC	3.06	Comments Fallow for last 10 years; Pre 2003 was in apples.																	

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1013	Acres	6	NO3 (#N/ACRE) 11/4/2014 1 ft 68 2 ft 9 3 ft 4 4 ft 6 5 ft 6 ft TOTAL 87 NH4-N 30 ORGANIC 3.09 Comments	Fertilizer Applications (#N/Acre) Year Liquid Manure Solid Manure Com. Bio Comp Other Total 2014 0 0 150 0 0 0 150 2013 0 0 150 0 0 0 150 2012 0 0 150 0 0 0 150 2011 0 0 150 0 0 0 150	Cropping History Crop 1 Crop 1 Yield Crop 2 Crop 2 Yield Condition Pears 40 Bins Fair Pears 35 Bins					Soil 178 - Warden Silt Loam 5-8% Slopes				
	Soil Testing?	NO								Hole	Consistency	Moisture	Roots	Refusal
	Test Frequency									A	S	M	3.2	3.4
	Irrigation Type	Drip								B	S	M	2.9	3.3
	Irrigation Schedule	As Needed								C	S	M	1.8	1.8
	Hour Sets									D	S	M	1.4	
	Irrigation years	10								E				

1015	Acres	40	NO3 (#N/ACRE) 11/5/2014 1 ft 271 2 ft 125 3 ft 266 4 ft 97 5 ft 94 6 ft 77 TOTAL 930 NH4-N 18 ORGANIC 2.26 Comments	Fertilizer Applications (#N/Acre) Year Liquid Manure Solid Manure Com. Bio Comp Other Total 2014 0 0 300 0 0 0 300 2013 0 0 300 0 0 0 300 2012 0 0 300 0 0 0 300 2011 0 0 300 0 0 0 300	Cropping History Crop 1 Crop 1 Yield Crop 2 Crop 2 Yield Condition Corn Silage 40 Tons Good Corn Silage 40 Tons Corn Silage 40 Tons Corn Silage 40 Tons					Soil 95 - Quincy Loamy Fine Sand 0-10% Slopes				
	Soil Testing?	YES								Hole	Consistency	Moisture	Roots	Refusal
	Test Frequency	Annually								A	S	M	4.1	5.5
	Irrigation Type	Pivot								B	S	M	5.6	
	Irrigation Schedule	Routine Schedule								C	S	M	4.7	
	Hour Sets									D	S	M	4.3	
	Irrigation years	10								E				

1016	Acres	40	NO3 (#N/ACRE) 11/5/2014 1 ft 94 2 ft 19 3 ft 27 4 ft 36 5 ft 73 6 ft 124 TOTAL 373 NH4-N 16 ORGANIC 1.71 Comments	Fertilizer Applications (#N/Acre) Year Liquid Manure Solid Manure Com. Bio Comp Other Total 2014 0 0 300 0 0 0 300 2013 0 0 300 0 0 0 300 2012 0 0 260 0 0 0 260 2011 0 0 260 0 0 0 260	Cropping History Crop 1 Crop 1 Yield Crop 2 Crop 2 Yield Condition Corn Silage 40 Tons Good Corn Silage 40 Tons Corn Silage 40 Tons Corn Silage 40 Tons					Soil 172 - Warden Fine Sandy Loam 0-2% Slopes				
	Soil Testing?	YES								Hole	Consistency	Moisture	Roots	Refusal
	Test Frequency	Annually								A	S	M	2.9	
	Irrigation Type	Pivot								B	S	M	5.4	
	Irrigation Schedule	Routine Schedule								C	S	M	4.3	
	Hour Sets									D	S	M	3.7	
	Irrigation years									E				

Split Application of N

1017	Acres		NO3 (#N/ACRE) 11/5/2014 1 ft 133 2 ft 14 3 ft 12 4 ft 14 5 ft 20 6 ft 9 TOTAL 202 NH4-N 11 ORGANIC 1.52 Comments	Fertilizer Applications (#N/Acre) Year Liquid Manure Solid Manure Com. Bio Comp Other Total 2014 0 0 300 0 0 0 300 2013 0 0 300 0 0 0 300 2012 0 0 300 0 0 0 300 2011 0 0 300 0 0 0 300	Cropping History Crop 1 Crop 1 Yield Crop 2 Crop 2 Yield Condition Corn Silage 8 Tons Good Actual Corn Silage 8 Tons Corn Silage 8 Tons Corn Silage 8 Tons					Soil 171 - Wanser Loamy Fine Sand				
	Soil Testing?	YES								Hole	Consistency	Moisture	Roots	Refusal
	Test Frequency	Annually								A	S, S, SH, S	Dp, Dp, M, Dp	1.4	
	Irrigation Type	Pivot								B	S, SH, S	Dp, M, Dp	2.2	
	Irrigation Schedule	Routine Schedule								C	S, SH, S	Dp, M, Dp	2.3	
	Hour Sets									D	S, S, SH	Dp, Dp, M	2.4	
	Irrigation years	20								E				

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1018	Acres		NO3 (#N/ACRE) 11/5/2014 1 ft 155 2 ft 55 3 ft 32 4 ft 35 5 ft 52 6 ft 100 TOTAL 429 NH4-N 10 ORGANIC 1.64	Year	Fertilizer Applications (#N/Acre)						Cropping History						Soil 95 - Quincy Loamy Fine Sand 0-10% Slopes						
	Soil Testing?	YES			Liquid Manure	Solid Manure	Com.	Bio	Comp	Other	Total	Crop 1	Crop 1 Yield	Crop 2	Crop 2 Yield	Condition		Hole	Consistency	Moisture	Roots	Refusal	
	Test Frequency	Annually			2014	0	0	300	0	0	0	300	Corn	8	Tons		Good	Actual	A	S, S, SH	M, M, M	3.6	5.5
	Irrigation Type	Pivot			2013	0	0	300	0	0	0	300	Corn	8	Tons				B	S, S, SH	M, M, M	2.5	
	Irrigation Schedule	Routine Schedule			2012	0	0	300	0	0	0	300	Corn	8	Tons				C	S, S, SH	M, M, M	2.3	
	Hour Sets				2011	0	0	300	0	0	0	300	Corn	8	Tons				D	S, S, SH	M, M, M	2.2	5
	Irrigation years	20			Comments																		

1019	Acres	10	NO3 (#N/ACRE) 11/5/2014 1 ft 10 2 ft 7 3 ft 4 4 ft 5 5 ft 9 6 ft 27 TOTAL 62 NH4-N 9 ORGANIC 1.29	Year	Fertilizer Applications (#N/Acre)						Cropping History						Soil 95 - Quincy Loamy Fine Sand 0-10% Slopes						
	Soil Testing?	NO			Liquid Manure	Solid Manure	Com.	Bio	Comp	Other	Total	Crop 1	Crop 1 Yield	Crop 2	Crop 2 Yield	Condition		Hole	Consistency	Moisture	Roots	Refusal	
	Test Frequency				2014	0	0	100	0	0	0	100					Fair	Actual	A	S, S, S	M, D, D	3.5	
	Irrigation Type	Rill Irrigation			2013	0	0	0	0	0	0	0	Barley	55	Bushels				B	S	M	3.3	
	Irrigation Schedule	Routine Schedule			2012	0	0	0	0	0	0	0							C	S	M	4.3	
	Hour Sets	12			2011	0	0	0	0	0	0	0							D	S, S, S	M, D, M	4.6	
	Irrigation years	1			Comments																		

1020	Acres	45	NO3 (#N/ACRE) 11/7/2014 1 ft 93 2 ft 276 3 ft 208 4 ft 78 5 ft 38 6 ft 23 TOTAL 716 NH4-N 23 ORGANIC 2.32	Year	Fertilizer Applications (#N/Acre)						Cropping History						Soil 173 - Warden Fine Sandy Loam 2-5% Slopes						
	Soil Testing?	YES			Liquid Manure	Solid Manure	Com.	Bio	Comp	Other	Total	Crop 1	Crop 1 Yield	Crop 2	Crop 2 Yield	Condition		Hole	Consistency	Moisture	Roots	Refusal	
	Test Frequency	Annually			2014	0	0	100	0	0	0	100	Wheat	100	Bushels		Good	Planned	A	S, S, S, S	M, M, D, M	3.4	
	Irrigation Type	Pivot			2013	0	0	100	0	0	0	100	Wheat	100	Bushels				B	S, S, S, S	M, M, D, M	5.8	
	Irrigation Schedule	Routine Schedule			2012	0	0	300	0	0	0	300	Corn	8	Tons				C	S	M	4.2	
	Hour Sets				2011	0	0	300	0	0	0	300	Corn	8	Tons				D	S	M	5.2	
	Irrigation years	10			Comments																		

1021	Acres	30	NO3 (#N/ACRE) 11/7/2014 1 ft 315 2 ft 33 3 ft 99 4 ft 17 5 ft 40 6 ft 15 TOTAL 519 NH4-N 23 ORGANIC 2.15	Year	Fertilizer Applications (#N/Acre)						Cropping History						Soil 172 - Warden Fine Sandy Loam 0-2% Slopes						
	Soil Testing?	YES			Liquid Manure	Solid Manure	Com.	Bio	Comp	Other	Total	Crop 1	Crop 1 Yield	Crop 2	Crop 2 Yield	Condition		Hole	Consistency	Moisture	Roots	Refusal	
	Test Frequency	Annually			2014	0	0	100	0	0	0	100	Corn	28	Bushels		Fair		A	S, S, S, S, SH	M, M, M, M, Dp	3.1	
	Irrigation Type	Rill Irrigation			2013	0	200	100	0	0	0	300	Corn	28	Bushels				B	S, S, SH, SH	M, M, Dp, Dp	4.1	
	Irrigation Schedule	Routine Schedule			2012	0	200	0	0	0	200	Corn	28	Bushels				C	S, S, SH, SH	M, M, Dp, Dp	4.3		
	Hour Sets				2011	0	200	0	0	0	200							D	S	M	2.4		
	Irrigation years				Comments																		

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1022	Acres	20	NO3 (#N/ACRE) 11/6/2014 1 ft 16 2 ft 10 3 ft 17 4 ft 15 5 ft 21 6 ft 33 TOTAL 112 NH4-N 11 ORGANIC 1.53	Fertilizer Applications (#N/Acre) Year Liquid Manure Solid Manure Com. Bio Comp Other Total 2014 0 0 100 0 0 0 100 2013 0 0 100 0 0 0 100 2012 0 0 100 0 0 0 100 2011 0 0 100 0 0 0 100	Cropping History Crop 1 Crop 1 Yield Crop 2 Crop 2 Yield Condition Hay 10 Bushels Hay 9 Tons Wheat 100 Bushels Hay 8 Tons					Soil 57 - Hezel Loamy Fine Sand 0-2% Slopes				
	Soil Testing?	YES								Hole Consistency Moisture Roots Refusal A S, S, S M, M, W 3.7 B S, S, S M, M, W 4.7 C S, S, S M, M, W 3 D S, S, S M, M, W 2.6 E				
	Test Frequency	Annually												
	Irrigation Type	Wheel Lines												
	Irrigation Schedule	Routine Schedule												
											Hour Sets			
											Irrigation years	2		
	Comments													

1023	Acres	20	NO3 (#N/ACRE) 11/6/2014 1 ft 28 2 ft 53 3 ft 152 4 ft 81 5 ft 59 6 ft 66 TOTAL 439 NH4-N 11 ORGANIC 1.19	Fertilizer Applications (#N/Acre) Year Liquid Manure Solid Manure Com. Bio Comp Other Total 2014 75 0 300 0 0 0 375 2013 75 0 300 0 0 0 375 2012 75 0 300 0 0 0 375 2011 75 0 300 0 0 0 375	Cropping History Crop 1 Crop 1 Yield Crop 2 Crop 2 Yield Condition Corn Grain 8 Tons Corn Grain 8 Tons Corn Grain 5 Tons Corn Grain 5 Tons					Soil 95 - Quincy Loamy Fine Sand 0-10% Slopes				
	Soil Testing?	YES								Hole Consistency Moisture Roots Refusal A S M 3.5 B S M 5.1 C S M 4.2 D S M 3.5 E				
	Test Frequency	Annually												
	Irrigation Type	Pivot												
	Irrigation Schedule	Routine Schedule												
											Hour Sets			
											Irrigation years	2		
	Comments													

1024	Acres	40	NO3 (#N/ACRE) 11/6/2014 1 ft 22 2 ft 21 3 ft 19 4 ft 34 5 ft 121 6 ft 57 TOTAL 274 NH4-N 19 ORGANIC 2.4	Fertilizer Applications (#N/Acre) Year Liquid Manure Solid Manure Com. Bio Comp Other Total 2014 75 0 300 0 0 0 375 2013 75 0 300 0 0 0 375 2012 75 0 300 0 0 0 375 2011 75 0 300 0 0 0 375	Cropping History Crop 1 Crop 1 Yield Crop 2 Crop 2 Yield Condition Corn 8 Tons Corn 8 Tons Corn 8 Tons Corn 8 Tons					Soil 95 - Quincy Loamy Fine Sand 0-10% Slopes				
	Soil Testing?	YES								Hole Consistency Moisture Roots Refusal A S M 3.3 B S M 3.1 C S M 2.2 D S M 2.6 E				
	Test Frequency	Annually												
	Irrigation Type	Pivot												
	Irrigation Schedule	Routine Schedule												
											Hour Sets			
											Irrigation years	4		
	Comments													

1025	Acres	20	NO3 (#N/ACRE) 11/6/2014 1 ft 215 2 ft 18 3 ft 13 4 ft 4 5 ft 32 6 ft 4 TOTAL 286 NH4-N 8 ORGANIC 1.34	Fertilizer Applications (#N/Acre) Year Liquid Manure Solid Manure Com. Bio Comp Other Total 2014 0 0 180 0 0 0 180 2013 0 0 180 0 0 0 180 2012 0 0 180 0 0 0 180 2011 0 0 140 0 0 0 140	Cropping History Crop 1 Crop 1 Yield Crop 2 Crop 2 Yield Condition Hops .5 Tons Hops .75 Tons Hops .75 Tons Hops .75 Tons					Soil 95 - Quincy Loamy Fine Sand 0-10% Slopes						
	Soil Testing?	YES								Hole Consistency Moisture Roots Refusal A S M 2.8 B S M 1.3 C S M 1.8 D S M 2.6 E						
	Test Frequency	Annually														
	Irrigation Type	Rill Irrigation														
	Irrigation Schedule	Routine Schedule														
											Hour Sets					
											Irrigation years					
	Comments										Split application on fields; 200 lbs. N to start grow season and side dress 100 lbs throughout rest of season					

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1026	Acres	51	NO3 (#N/ACRE) 11/6/2014	Year	Fertilizer Applications (#N/Acre)						Cropping History					Soil 172 - Warden Fine Sandy Loam 0-2% Slopes									
	Soil Testing?	YES			Liquid Manure	Solid Manure	Com.	Bio	Comp	Other	Total	Crop 1	Crop 1 Yield	Crop 2	Crop 2 Yield	Condition	Hole	Consistency	Moisture	Roots	Refusal				
	Test Frequency	Annually			1 ft	314	2014	0	0	150	0	0	0	150	Hops	.75 Tons				Fair	A	S, SH	M, M	4.3	
	Irrigation Type	Rill Irrigation			2 ft	10	2013	0	0	150	0	0	0	150	Hops	.75 Tons					B	S, SH	M, M	3.8	
	Irrigation Schedule	Hour Sets			3 ft	7	2012	0	0	0	0	0	0	0	Hops	.75 Tons					C	S, SH	M, M	3.6	
					4 ft	7	2011	0	0	0	0	0	0	0	Hops	.75 Tons					D	S, SH	M, M	3.8	
					5 ft	7	Comments																		
	Irrigation years	TOTAL			348																				
		NH4-N			22																				
					ORGANIC	1.33																			

1027	Acres	50	NO3 (#N/ACRE) 11/6/2014	Year	Fertilizer Applications (#N/Acre)						Cropping History					Soil 171 - Wanser Loamy Fine Sand										
	Soil Testing?	YES			Liquid Manure	Solid Manure	Com.	Bio	Comp	Other	Total	Crop 1	Crop 1 Yield	Crop 2	Crop 2 Yield	Condition	Hole	Consistency	Moisture	Roots	Refusal					
	Test Frequency	Annually			1 ft	115	2014	0	0	100	0	0	0	100	Alfalfa	10 Tons				Good	Actual	A	S, S, S, SH	D, M, M, M	4.2	
	Irrigation Type	Pivot			2 ft	121	2013	0	0	300	0	0	0	300	Corn	8 Tons						B	S	M	4.3	
	Irrigation Schedule	Hour Sets			3 ft	99	2012	0	0	100	0	0	0	100	Wheat	95 Bushels						C	S	M	4.5	
					4 ft	67	2011	0	0	100	0	0	0	100	Wheat	120 Bushels						D	S	M	3.5	
					5 ft	114	Comments																			
	Irrigation years	TOTAL			582																					
		NH4-N			23																					
					ORGANIC	1.94																				

1028	Acres	25	NO3 (#N/ACRE) 11/7/2014	Year	Fertilizer Applications (#N/Acre)						Cropping History					Soil 143 - Starbuck-Rock Outcrop Complex 0-45% Slopes										
	Soil Testing?	NO			Liquid Manure	Solid Manure	Com.	Bio	Comp	Other	Total	Crop 1	Crop 1 Yield	Crop 2	Crop 2 Yield	Condition	Hole	Consistency	Moisture	Roots	Refusal					
	Test Frequency				1 ft	11	2014	0	0	0	0	0	0	0	Apples					Poor	Planned	A	S, S, S, SH, S, SH, S, SH	M, M, M, Dp, Dp, Dp, Dp, Dp	4.3	
	Irrigation Type	Solid Set Below Canopy			2 ft	3	2013	0	0	0	0	0	0	0	Apples							B	S, S, S, SH, S	M, M, M, Dp, Dp	4.2	
	Irrigation Schedule	Hour Sets			3 ft	3	2012	0	0	0	0	0	0	0	Apples							C	S, S, S, S, SH	M, M, M, Dp, Dp	4.2	
					4 ft	3	2011	0	0	0	0	0	0	0	Apples							D	S, S, S, SH, S	M, M, Dp, Dp, Dp	4.1	
					5 ft	3	Comments																			
	Irrigation years	TOTAL			26																					
		NH4-N			16																					
					ORGANIC	1.39																				

1029	Acres	25	NO3 (#N/ACRE) 11/7/2014	Year	Fertilizer Applications (#N/Acre)						Cropping History					Soil 177 - Warden Silt Loam 2-5% Slopes										
	Soil Testing?	NO			Liquid Manure	Solid Manure	Com.	Bio	Comp	Other	Total	Crop 1	Crop 1 Yield	Crop 2	Crop 2 Yield	Condition	Hole	Consistency	Moisture	Roots	Refusal					
	Test Frequency				1 ft	8	2014	0	0	0	0	0	0	0	Apples					Poor	Planned	A	S, S, SH, SH, SH	M, M, Dp, Dp, Dp	5.5	
	Irrigation Type	Solid Set Below Canopy			2 ft	3	2013	0	0	0	0	0	0	0	Apples							B	S, S, SH, SH, SH, S	M, M, Dp, Dp, Dp, M	5.9	
	Irrigation Schedule	Hour Sets			3 ft	11	2012	0	0	0	0	0	0	0	Apples							C	S, S, S, S, SH, SH, SH	M, M, M, M, Dp, Dp, Dp	5.2	
					4 ft	4	2011	0	0	0	0	0	0	0	Apples							D	S, S, SH, SH, SH	M, M, Dp, Dp, Dp	5.1	
					5 ft	3	Comments																			
	Irrigation years	TOTAL			32																					
		NH4-N			10																					
					ORGANIC	1.17																				

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1030	Acres	40	NO3 (#N/ACRE) 11/7/2014 1 ft 113 2 ft 57 3 ft 8 4 ft 6 5 ft 7 6 ft 6 TOTAL 197 NH4-N 31 ORGANIC 2.86	Fertilizer Applications (#N/Acre) Year Liquid Manure Solid Manure Com. Bio Comp Other Total 2014 0 0 0 0 0 0 0 2013 0 0 0 0 0 0 0 2012 0 0 0 0 0 0 0 2011 0 0 0 0 0 0 0	Cropping History Crop 1 Crop 1 Yield Crop 2 Crop 2 Yield Condition Sudan Grass Alfalfa 10 Tons Alfalfa 10 Tons Alfalfa 10 Tons					Soil 66 - Kittitas Silt Loam											
	Soil Testing?	YES								Comments Bio Solids applied 7 years ago, no fertilizer of any kind has been applied for 6 growing seasons. Crop advisor told producer that the Nitrogen is bound up in the first foot.	Hole	Consistency	Moisture	Roots	Refusal						
	Test Frequency	Every 4 Years																			
	Irrigation Type	Pivot																			
	Irrigation Schedule	Routine Schedule																			
		Hour Sets																			
		Irrigation years														8					

1031	Acres	80	NO3 (#N/ACRE) 11/7/2014 1 ft 568 2 ft 601 3 ft 760 4 ft 5 ft 6 ft TOTAL 1929 NH4-N 12 ORGANIC 2.34	Fertilizer Applications (#N/Acre) Year Liquid Manure Solid Manure Com. Bio Comp Other Total 2014 90 0 0 0 0 0 90 2013 90 0 0 0 0 0 90 2012 90 0 0 0 0 0 90 2011 90 0 0 0 0 0 90	Cropping History Crop 1 Crop 1 Yield Crop 2 Crop 2 Yield Condition Corn 5 Tons Corn 4.5 Tons Wheat 70 Bushels Corn 4 Tons					Soil 177 - Warden Silt Loam 2-5% Slopes											
	Soil Testing?	YES								Comments	Hole	Consistency	Moisture	Roots	Refusal						
	Test Frequency	Annually																			
	Irrigation Type	Pivot																			
	Irrigation Schedule	Routine Schedule																			
		Hour Sets														24					
		Irrigation years																			

1032	Acres	80	NO3 (#N/ACRE) 11/7/2014 1 ft 50 2 ft 268 3 ft 4 ft 5 ft 6 ft TOTAL 318 NH4-N 19 ORGANIC 2.28	Fertilizer Applications (#N/Acre) Year Liquid Manure Solid Manure Com. Bio Comp Other Total 2014 90 0 60 0 0 0 150 2013 90 0 0 0 0 0 90 2012 90 0 0 0 0 0 90 2011 90 0 0 0 0 0 90	Cropping History Crop 1 Crop 1 Yield Crop 2 Crop 2 Yield Condition Wheat 90 Bushels Corn 5.25 Tons Corn 5 Tons Corn 4.5 Tons					Soil 177 - Warden Silt Loam 2-5% Slopes											
	Soil Testing?	YES								Comments	Hole	Consistency	Moisture	Roots	Refusal						
	Test Frequency	Annually																			
	Irrigation Type	Pivot																			
	Irrigation Schedule	Routine Schedule																			
		Hour Sets														24					
		Irrigation years														25					

1033	Acres	80	NO3 (#N/ACRE) 11/7/2014 1 ft 110 2 ft 28 3 ft 4 ft 5 ft 6 ft TOTAL 138 NH4-N 25 ORGANIC 2.96	Fertilizer Applications (#N/Acre) Year Liquid Manure Solid Manure Com. Bio Comp Other Total 2014 90 0 0 0 0 0 90 2013 90 0 0 0 0 0 90 2012 90 0 0 0 0 0 90 2011 90 0 0 0 0 0 90	Cropping History Crop 1 Crop 1 Yield Crop 2 Crop 2 Yield Condition Corn 4 Tons Wheat 100 Bushels Corn 5 Tons Corn 4 Tons					Soil 177 - Warden Silt Loam 2-5% Slopes											
	Soil Testing?	YES								Comments	Hole	Consistency	Moisture	Roots	Refusal						
	Test Frequency	Annually																			
	Irrigation Type	Pivot																			
	Irrigation Schedule	Routine Schedule																			
		Hour Sets														24					
		Irrigation years																			



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1034	Acres	80	NO3 (#N/ACRE)		Fertilizer Applications (#N/Acre)							Cropping History					Soil 177 - Warden Silt Loam 2-5% Slopes							
	Soil Testing?	YES	11/7/2014		Year	Liquid Manure	Solid Manure	Com.	Bio	Comp	Other	Total	Crop 1	Crop 1 Yield	Crop 2	Crop 2 Yield	Condition		Hole	Consistency	Moisture	Roots	Refusal	
	Test Frequency	Annually	1 ft	285	2014	90	0	120	0	0	0	210	Corn	5 Tons			Good	Planned	A	S	M	1.2	1.8	
	Irrigation Type	Solid Set Above Canopy	2 ft	55	2013	90	0	0	0	0	0	90	Corn	5.5 Tons					B	S	M	0.9	1.4	
	Irrigation Schedule	Routine Schedule	3 ft		2012	90	0	0	0	0	0	90	Corn	4.5 Tons					C	S	M	1	1.5	
	Hour Sets	24	4 ft		2011	90	0	0	0	0	0	90	Wheat	60 Bushels					D	S	M	1	1.7	
	Irrigation years	25	5 ft		TOTAL														E					
			6 ft		NH4-N																			
					ORGANIC																			
					2.62		Comments																	