

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2013 Estimated Costs and Returns per Acre**  
**Irrigated Carrots - 100 Acres**  
**Southwest Extension District - 10**

Crop Acres		100				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Fresh Carrots	15.00	Ton	\$ 150.00	\$2,250.00	\$225,000.00	\$225,000.00
Other Revenue	0.00	Acre	\$0.00	\$0.00	\$0.00	\$0.00
Other Revenue	0.00	Acre	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total Revenue</b>				<b>\$2,250.00</b>	<b>\$225,000.00</b>	<b>\$225,000.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
<b>Seed</b>						
Seed Carrot	2	Pounds	\$77.00	\$154.00	\$15,400.00	\$15,400.00
<b>Crop Insurance</b>						
NAP Insurance	1	Acre	\$2.00	\$2.00	\$200.00	\$200.00
<b>Fungicide</b>						
Fungicide Carrot	3	Acre	\$11.55	\$34.65	\$3,465.00	\$3,465.00
<b>Insecticide</b>						
Insecticide Carrot	1	Acre	\$10.50	\$10.50	\$1,050.00	\$1,050.00
<b>Fertilizer</b>						
Nitrogen Dry	60	Pounds	\$0.60	\$35.86	\$3,585.94	\$3,585.94
Phosphate	75	Pounds	\$0.47	\$35.43	\$3,542.53	\$3,542.53
Nitrogen Liquid	60	Pounds	\$0.30	\$18.00	\$1,800.00	\$1,800.00
<b>Miscellaneous Administrative Overhead</b>						
Misc. Overhead	1	Acre	\$4.00	\$4.00	\$400.00	\$400.00
<b>Herbicide</b>						
Herbicide Carrot 1	1	Acre	\$6.00	\$6.00	\$600.00	\$600.00
Herbicide Carrot 2	2	Acre	\$10.00	\$20.00	\$2,000.00	\$2,000.00
<b>Custom</b>						
Herbicide Application	3	Acre	\$4.50	\$13.50	\$1,350.00	\$1,350.00
Pesticide Application Vegetal	3	Acre	\$5.50	\$16.50	\$1,650.00	\$1,650.00
Consulting Fee Vegetable	1	Acre	\$12.00	\$12.00	\$1,200.00	\$1,200.00
Harvest/Pack/Market Canata	15	Ton	\$15.00	\$225.00	\$22,500.00	\$22,500.00
<b>Irrigation</b>						
Irrigation Costs	18	Acre-Inch	\$7.00	\$126.00	\$12,600.00	\$12,600.00
<b>Operator Labor</b>						
Tractors	1.764	Hour	\$0.00	\$0.00	\$0.00	\$0.00
<b>Irrigation Labor</b>						
Labor	0.9	Hour	\$0.00	\$0.00	\$0.00	\$0.00
<b>Diesel Fuel</b>						
Tractors	8.82571	Gallon	\$3.30	\$29.12	\$2,912.48	\$2,912.48
<b>Gasoline</b>						
Pickup	0.91	Gallon	\$3.20	\$2.91	\$291.20	\$291.20
<b>Repairs &amp; Maintenance</b>						
Tractors	1	Acre	\$15.42	\$15.42	\$1,542.32	\$1,542.32
Implements	1	Acre	\$11.51	\$11.51	\$1,151.01	\$1,151.01
Pickup	1	Acre	\$1.00	\$1.00	\$100.33	\$100.33
Irrigation	1	Acre	\$3.40	\$3.40	\$340.00	\$340.00
Interest on Credit Line			6.50%	\$13.02	\$1,302.23	\$1,302.23
<b>Total Variable Costs</b>				<b>\$789.83</b>	<b>\$78,983.04</b>	<b>\$78,983.04</b>
<b>Planned Returns Above Variable Costs:</b>				<b>\$1,460.17</b>	<b>\$146,016.96</b>	<b>\$146,016.96</b>
<b>Breakeven Price to Cover Variable Costs</b>			<b>\$52.66</b>	<b>Ton</b>		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Machinery</b>						
Tractors	1	Acre	\$27.88	\$27.88	\$2,788.33	\$2,788.33
Implements	1	Acre	\$23.92	\$23.92	\$2,391.91	\$2,391.91
Pickup	1	Acre	\$3.62	\$3.62	\$361.67	\$361.67
Irrigation	1	Acre	\$7.65	\$7.65	\$765.00	\$765.00
<b>Land Rent</b>						
	1	Acre	\$50.00	\$50.00	\$5,000.00	\$5,000.00
<b>Total Fixed Costs</b>				<b>\$113.07</b>	<b>\$11,306.91</b>	<b>\$11,306.91</b>
<b>Total Specified Costs</b>				<b>\$902.90</b>	<b>\$90,289.94</b>	<b>\$90,289.94</b>
<b>Returns Above Specified Costs</b>				<b>\$1,347.10</b>	<b>\$134,710.06</b>	<b>\$134,710.06</b>
<b>Breakeven Price to Cover Total Costs</b>			<b>\$60.19</b>	<b>Ton</b>		

<b>Breakeven Prices</b>						
Yield Percent	Yield Ton	Variable Costs		Total Costs		
		Full	Tenant	Full	Tenant	Landlord
75%	11.25	\$70.21	\$70.21	\$80.26	\$80.26	\$0.00
90%	13.50	\$58.51	\$58.51	\$66.88	\$66.88	\$0.00
100%	15.00	\$52.66	\$52.66	\$60.19	\$60.19	\$0.00
110%	16.50	\$47.87	\$47.87	\$54.72	\$54.72	\$0.00
125%	18.75	\$42.12	\$42.12	\$48.15	\$48.15	\$0.00

**Information presented is prepared solely as a general guide and not intended to recognize or predict the costs and returns from any one operation.**