

## Irrigated Cropping Region, Reduced Tillage



### 2009 Crop Rotation Budgets for Potatoes and Sweet Corn Irrigated Crop Production in the Columbia Basin, WA Climate Friendly Farming Project: Reduced Tillage



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Budget spreadsheets are available at the following links:  
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**Summary of Returns by Crop and Rotation (\$/acre) for Reduced Tillage Sweet Corn & Potatoes**

<b>By Crop:</b>	<b>Unit</b>	<b>Yield per acre</b>	<b>Price* per unit</b>	<b>Revenue per acre</b>	<b>Total Cost (TC) of Operation</b>	<b>Returns over TC (\$/acre)</b>	<b>Total Variable Costs (VC) (\$/acre)</b>	<b>Returns over VC (\$/acre)</b>
<a href="#">Sweet Corn, Yr 1</a>	ton	11	\$78.66	\$865	\$819	<b>\$46</b>	\$472	<b>\$393</b>
<a href="#">Sweet Corn, Yr 2</a>	ton	9.0	\$78.66	\$708	\$821	<b>-\$113</b>	\$474	<b>\$234</b>
<a href="#">Potatoes, RT</a>	ton	33.5	\$125.60	\$4,208	\$1,740	<b>\$2,467</b>	\$1,250	<b>\$2,958</b>

<b>By Rotation:</b>	<b>Revenue per acre (\$/acre)</b>	<b>Total Cost (TC) (\$/acre)</b>	<b>Returns over TC (\$/acre)</b>	<b>Total Variable Costs (VC) (\$/acre)</b>	<b>Returns over VC (\$/acre)</b>
SC, SC, Potatoes	<b>\$1,927</b>	<b>\$1,127</b>	<b>\$800</b>	<b>\$732</b>	<b>\$1,195</b>

**Schedule of Operations for Producing Sweet Corn Following Potatoes in the Columbia Basin, Center Pivot Irrigation**

Month	Operation	Tooling	Materials/Service
March	Kill wheat	150HP-WT, rented sprayer	18 oz Roundup
Apr	Fertilize	150HP-WT, Valmar applicator	48 lb N, 48 lb P, 54 lb S, 0.95 lb B based on soil test
Apr	Plant sweet corn	200HP-WT, 12-row JD 8760 Min-til planter	36 lb UN32
July	Harvest	Custom	

**Schedule of Operations for Producing Sweet Corn Following Sweet Corn in the Columbia Basin, Center Pivot Irrigation**

Month	Operation	Tooling	Materials/Service
Apr	Fertilize	150HP-WT, Valmar spreader	48 lb N, 48 lb P, 54 lb S, 0.95 lb B based on soil test
Apr	Plant sweet corn	200HP-WT, 12-row JD 8760 Min-til planter	36 lb UN32 30,000 seeds/acre
July	Harvest		

**Schedule of Operations for Producing Potatoes Following Sweet Corn in the Columbia Basin, Center Pivot Irrigation**

Month	Operation	Tooling	Materials/Service
Mar	Fertilize	150HP-WT, Valmar spreader	100 lb N, 29.5 lb P, 98.4 lb K based on soil test
Mar	Mark out	200HP-WT, 13-shank bed splitter	
Mar	Plant potatoes	200HP-WT, 6-row Harriston pick planter	
Sept	Harvest	200HP-WT, 3-row potato digger	
Oct	Plant wheat cover crop	200HP-WT, double-disc drill	

**Production Costs for Reduced Tillage Sweet Corn Under Center Pivot Irrigation,  
Paterson, WA**

Item	Quantity Per Acre	Unit	Price or Cost	Value or Cost/Acre
<b>Gross Returns</b>				
Sweet Corn	11.00	ton	\$78.66	\$865.26
<b>Variable Costs</b>				
Seed:				\$0.00
Sweet Corn Seed	30,000	seeds	\$0.00	\$0.00
Fertilizer:				\$226.78
Nitrogen (dry)	89	lb	\$0.52	\$46.28
Phosphorous (dry)	30	lb	\$0.65	\$19.50
Potash (dry)	10	lb	\$0.81	\$8.10
Sulfur (dry)	30	lb	\$0.44	\$13.20
Boron (dry)	10	lb	\$3.57	\$35.70
Nitrogen (liquid)	200	lb	\$0.52	\$104.00
Pesticides:				\$21.08
Dual Magnum	0.75	qt	\$25.50	\$19.13
Atrazine 4L	0.75	qt	\$2.60	\$1.95
		oz		\$0.00
		oz		\$0.00
Custom & Consultants:				\$15.00
Custom Ground Spray & Incomp.	1	acre	\$12.50	\$12.50
Rental Fertilizer Applicator	1	acre	\$2.50	\$2.50
Other:				\$197.80
Crop insurance	0.5	acre	\$22.00	\$11.00
Overhead	1	acre	\$14.24	\$14.24
Fuel	5.12	gal	\$2.25	\$11.52
Lubricants	1	acre	\$2.03	\$2.03
Machinery Repairs	1	acre	\$12.79	\$12.79
Storage Facility & Equip. Repairs				\$0.00
Machinery Labor	0.71	acre	\$20.00	\$14.22
Irrigation Labor	1	hour	\$20.00	\$20.00
Irrigation Water	1	acre	43.00	\$43.00
Irrigation Power	1	acre	55.00	\$55.00
Irrigation Repair	1	acre	14.00	\$14.00
				\$0.00
Operating Interest				\$11.72
<b>Total Variable Costs</b>				<b>\$472.38</b>
Variable Costs per Unit				\$42.94
<b>Net Returns Above Variable Costs</b>				<b>\$392.88</b>

## Production Costs for Reduced Tillage Sweet Corn Under Center Pivot Irrigation, Paterson, WA

Item	Quantity Per Acre	Unit	Price or Cost	Value or Cost/Acre
<b>Fixed Costs:</b>				
Machinery depreciation				\$21.04
Machinery interest				\$13.17
Machinery insurance, taxes housing, licence				\$8.57
Land Rent	1	acre	\$300.00	\$300.00
Land taxes				\$3.90
<b>Total Fixed Costs</b>				<b>\$346.69</b>
Fixed Costs per Unit				\$31.52
<b>Total Costs per Acre</b>				<b>\$819.07</b>
Total Cost per Unit				\$74.46
<b>Returns to Risk</b>				<b>\$46.19</b>

### Notes:

Irrigation water, power, and repair charges are based on EB2015, Costs of 2006 Cost of Producing Processing and Fresh Potatoes under Center Pivot Irrigation, Columbia Basin, Washington, by Herbert Hinman, Mark Trent and Mark Pavak. Sweet corn pesticide usage and crop insurance split (shared with contractor) is based on 2007 Southcentral Idaho (Magic Valley) Irrigated Crop Costs and Returns by Paul Patterson et al.

### Breakeven Analysis:

	- 10%	Base	+ 10%
		Yield	
<u>Price</u>	9.9	11	11.55
Operating Cost Breakeven	\$47.71	\$42.94	\$40.90
Ownership Cost Breakeven	\$35.02	\$31.52	\$30.02
Total Cost Breakeven	\$82.73	\$74.46	\$70.91
		Price	
<u>Yield</u>	\$70.79	\$78.66	\$86.53
Operating Cost Breakeven	6.7	6.0	5.5
Ownership Cost Breakeven	4.9	4.4	4.0
Total Cost Breakeven	11.6	10.4	9.5

### Machine Costs for Sweet Corn Production, Paterson Trials

Type of Machine	Depreciation \$	Interest \$	Taxes Housing Insurance Licenses \$	Total Fixed Costs \$	Repairs \$	Labor \$	Fuel \$	Lubric. \$	Total Variable Costs \$	Total Costs \$
Rented 70' Sprayer	\$0.32	\$0.24	\$0.04	\$0.60	\$0.14	\$0.67	\$0.38	\$0.06	\$1.25	\$1.84
Valmar Applicator, 150HP-WT	\$0.48	\$0.36	\$0.06	\$0.90	\$0.21	\$1.01	\$0.56	\$0.10	\$1.88	\$2.77
12-row Corn Planter	\$9.56	\$6.30	\$2.16	\$18.02	\$6.19	\$2.82	\$2.81	\$0.50	\$12.32	\$30.35
20' Stubble Shredder (2/3 years)	\$1.39	\$0.89	\$0.22	\$2.51	\$0.74	\$1.19	\$0.65	\$0.11	\$2.69	\$5.20
4WD-ATV	\$0.58	\$0.33	\$0.05	\$0.96	\$0.15	\$4.40	\$0.64	\$0.11	\$5.31	\$6.27
2-Ton Truck	\$2.00	\$1.13	\$1.52	\$4.65	\$2.00	\$2.40	\$0.73	\$0.13	\$5.26	\$9.90
Tandem Axle Truck	\$3.25	\$1.78	\$2.40	\$7.43	\$2.00	\$2.40	\$0.73	\$0.13	\$5.26	\$12.69
3/4-Ton Pickup	\$2.14	\$1.69	\$1.53	\$5.36	\$0.75	\$0.00	\$4.04	\$0.71	\$5.50	\$10.86
3/4-Ton Pickup	\$1.64	\$0.69	\$0.63	\$2.96	\$0.75	\$0.00	\$1.35	\$0.24	\$2.34	\$5.30
<b>Total</b>	<b>\$21.04</b>	<b>\$13.17</b>	<b>\$8.57</b>	<b>\$42.79</b>	<b>\$12.79</b>	<b>\$14.22</b>	<b>\$11.52</b>	<b>\$2.03</b>	<b>\$40.56</b>	<b>\$83.34</b>

**Production Costs for Reduced Tillage Sweet Corn Under Center Pivot Irrigation,  
Paterson, WA**

Item	Quantity Per Acre	Unit	Price or Cost	Value or Cost/Acre
<b>Gross Returns</b>				
Sweet Corn	9.00	ton	\$78.66	\$707.94
<b>Variable Costs</b>				
Seed:				\$0.00
Sweet Corn Seed	30,000	seeds	\$0.00	\$0.00
Fertilizer:				\$226.78
Nitrogen (dry)	89	lb	\$0.52	\$46.28
Phosphorous (dry)	30	lb	\$0.65	\$19.50
Potash (dry)	10	lb	\$0.81	\$8.10
Sulfur (dry)	30	lb	\$0.44	\$13.20
Boron (dry)	10	lb	\$3.57	\$35.70
Nitrogen (liquid)	200	lb	\$0.52	\$104.00
Pesticides:				\$21.08
Dual Magnum	0.75	qt	\$25.50	\$19.13
Atrazine 4L	0.75	qt	\$2.60	\$1.95
		oz		\$0.00
		oz		\$0.00
Custom & Consultants:				\$15.00
Custom Ground Spray & Incorp.	1	acre	\$12.50	\$12.50
Rental Fertilizer Applicator	1	acre	\$2.50	\$2.50
Other:				\$199.05
Crop insurance	0.5	acre	\$22.00	\$11.00
Overhead	1	acre	\$14.24	\$14.24
Fuel	5.29	gal	\$2.25	\$11.90
Lubricants	1	acre	\$2.09	\$2.09
Machinery Repairs	1	acre	\$12.93	\$12.93
Storage Facility & Equip. Repairs				\$0.00
Machinery Labor	0.74	acre	\$20.00	\$14.89
Irrigation Labor	1	hour	\$20.00	\$20.00
Irrigation Water	1	acre	43.00	\$43.00
Irrigation Power	1	acre	55.00	\$55.00
Irrigation Repair	1	acre	14.00	\$14.00
				\$0.00
Operating Interest				\$11.75
<b>Total Variable Costs</b>				<b>\$473.66</b>
Variable Costs per Unit				\$52.63
<b>Net Returns Above Variable Costs</b>				<b>\$234.28</b>

## Production Costs for Reduced Tillage Sweet Corn Under Center Pivot Irrigation, Paterson, WA

Item	Quantity Per Acre	Unit	Price or Cost	Value or Cost/Acre
<b>Fixed Costs:</b>				
Machinery depreciation				\$21.36
Machinery interest				\$13.41
Machinery insurance, taxes housing, licence				\$8.61
Land Rent	1	acre	\$300.00	\$300.00
Land taxes				\$3.90
<b>Total Fixed Costs</b>				<b>\$347.29</b>
Fixed Costs per Unit				\$38.59
<b>Total Costs per Acre</b>				<b>\$820.95</b>
Total Cost per Unit				\$91.22
<b>Returns to Risk</b>				<b>-\$113.01</b>

### Notes:

Irrigation water, power, and repair charges are based on EB2015, Costs of 2006 Cost of Producing Processing and Fresh Potatoes under Center Pivot Irrigation, Columbia Basin, Washington, by Herbert Hinman, Mark Trent and Mark Pavek. Sweet corn pesticide usage and crop insurance split (shared with contractor) is based on 2007 Southcentral Idaho (Magic Valley) Irrigated Crop Costs and Returns by Paul Patterson et al.

### Breakeven Analysis:

	- 10%	Base	+ 10%
		Yield	
<u>Price</u>	8.1	9	9.45
Operating Cost Breakeven	\$58.48	\$52.63	\$50.12
Ownership Cost Breakeven	\$42.88	\$38.59	\$36.75
Total Cost Breakeven	\$101.35	\$91.22	\$86.87
		Price	
<u>Yield</u>	\$70.79	\$78.66	\$86.53
Operating Cost Breakeven	6.7	6.0	5.5
Ownership Cost Breakeven	4.9	4.4	4.0
Total Cost Breakeven	11.6	10.4	9.5



### Machine Costs for Potatoes and Sweet Corn Production, Paterson Trials

Type of Machine	Depreciation \$	Interest \$	Taxes Housing Insurance Licenses \$	Total Fixed Costs \$	Repairs \$	Labor \$	Fuel \$	Lubric. \$	Total Variable Costs \$	Total Costs \$
Rented 70' Sprayer	\$0.32	\$0.24	\$0.04	\$0.60	\$0.14	\$0.67	\$0.38	\$0.06	\$1.25	\$1.84
Valmar Applicator, 150HP-WT	\$0.48	\$0.36	\$0.06	\$0.90	\$0.21	\$1.01	\$0.56	\$0.10	\$1.88	\$2.77
12-row Corn Planter	\$9.56	\$6.30	\$2.16	\$18.02	\$6.19	\$2.82	\$2.81	\$0.50	\$12.32	\$30.35
20' Stubble Shredder (2/3 years)	\$1.39	\$0.89	\$0.22	\$2.51	\$0.74	\$1.19	\$0.65	\$0.11	\$2.69	\$5.20
4WD-ATV	\$0.58	\$0.33	\$0.05	\$0.96	\$0.15	\$4.40	\$0.64	\$0.11	\$5.31	\$6.27
2-Ton Truck	\$2.00	\$1.13	\$1.52	\$4.65	\$2.00	\$2.40	\$0.73	\$0.13	\$5.26	\$9.90
Tandem Axle Truck	\$3.25	\$1.78	\$2.40	\$7.43	\$2.00	\$2.40	\$0.73	\$0.13	\$5.26	\$12.69
3/4-Ton Pickup	\$2.14	\$1.69	\$1.53	\$5.36	\$0.75	\$0.00	\$4.04	\$0.71	\$5.50	\$10.86
3/4-Ton Pickup	\$1.64	\$0.69	\$0.63	\$2.96	\$0.75	\$0.00	\$1.35	\$0.24	\$2.34	\$5.30
<b>Total</b>	<b>\$21.36</b>	<b>\$13.41</b>	<b>\$8.61</b>	<b>\$43.39</b>	<b>\$12.93</b>	<b>\$14.89</b>	<b>\$11.90</b>	<b>\$2.09</b>	<b>\$41.81</b>	<b>\$85.18</b>

## Production Costs for Reduced Tillage Potatoes Under Center Pivot Irrigation, Paterson, WA

Item	Quantity Per Acre	Unit	Price or Cost	Value or Cost/Acre
<b>Gross Returns</b>				
Potatoes	33.50	tons	\$125.60	\$4,207.60
<b>Variable Costs</b>				
Seed:				\$358.50
Potato	23	cwt	\$15.00	\$345.00
Winter Wheat Cover Crop	90	lb	\$0.15	\$13.50
Fertilizer:				\$226.78
Nitrogen (dry)	89	lb	\$0.52	\$46.28
Phosphorous (dry)	30	lb	\$0.65	\$19.50
Potash (dry)	10	lb	\$0.81	\$8.10
Sulfur (dry)	30	lb	\$0.44	\$13.20
Boron (dry)	10	lb	\$3.57	\$35.70
Nitrogen (liquid)	200	lb	\$0.52	\$104.00
<b>Pesticides:</b>				<b>\$105.10</b>
<b>Custom &amp; Consultants:</b>				<b>\$132.50</b>
<b>Other:</b>				<b>\$390.95</b>
Crop insurance	1	acre	\$36.00	\$36.00
Overhead	1	acre	\$31.61	\$31.61
Fuel	16.66	gal	\$2.25	\$37.49
Lubricants	1	acre	\$6.05	\$6.05
Machinery Repairs	1	acre	\$25.77	\$25.77
Storage Facility & Equip. Repairs				\$0.00
Machinery Labor	1.84	acre	\$20.00	\$36.79
Irrigation Labor	1	hour	\$20.00	\$20.00
Irrigation Water	1	acre	43.00	\$43.00
Irrigation Power	1	acre	55.00	\$55.00
Irrigation Repair	1	acre	14.00	\$14.00
Transloading				\$0.00
Fees & Assessments				\$33.49
				\$51.75
Operating Interest				\$35.83
<b>Total Variable Costs</b>				<b>\$1,249.66</b>
Variable Costs per Unit				\$37.30
<b>Net Returns Above Variable Costs</b>				<b>\$2,957.94</b>

## Production Costs for Reduced Tillage Potatoes Under Center Pivot Irrigation, Paterson, WA

Item	Quantity Per Acre	Unit	Price or Cost	Value or Cost/Acre
<b>Fixed Costs:</b>				
Machinery depreciation				\$46.76
Machinery interest				\$31.64
Machinery insurance, taxes housing, licence				\$12.08
Land Rent	1	acre	\$400.00	\$400.00
<b>Total Fixed Costs</b>				<b>\$490.48</b>
Fixed Costs per Unit				\$14.64
<b>Total Costs per Acre</b>				<b>\$1,740.14</b>
Total Cost per Unit				\$51.94
<b>Returns to Risk</b>				<b>\$2,467.46</b>

Notes:

<b>Breakeven Analysis:</b>	-	Base	+
	10%		10%
		Yield	
<u>Price</u>	30.15	33.5	35.175
Operating Cost Breakeven	\$41.45	\$37.30	\$35.53
Ownership Cost Breakeven	\$16.27	\$14.64	\$13.94
Total Cost Breakeven	\$57.72	\$51.94	\$49.47
		Price	
<u>Yield</u>	\$113.04	\$125.60	\$138.16
Operating Cost Breakeven	11.1	9.9	9.0
Ownership Cost Breakeven	4.3	3.9	3.6
Total Cost Breakeven	15.4	13.9	12.6

### Machine Costs for Potatoes, Paterson Trials

Type of Machine	Depreciation \$	Interest \$	Taxes Housing Insurance Licenses \$	Total Fixed Costs \$	Repairs \$	Labor \$	Fuel \$	Lubric.	Total Variable Costs \$	Total Costs \$
Valmar Applicator, 150HP-WT	\$0.48	\$0.36	\$0.06	\$0.90	\$0.21	\$1.01	\$0.56	\$0.10	\$1.88	\$2.77
6-row Bed Splitter, 200HP-WT	\$2.72	\$1.65	\$0.25	\$4.62	\$1.22	\$2.70	\$2.69	\$0.48	\$7.09	\$11.72
6-row Potato Planter, 200HP-WT	\$7.66	\$5.52	\$1.67	\$14.85	\$6.88	\$4.23	\$4.23	\$0.75	\$16.09	\$30.92
3-row Potato Harvester	\$23.88	\$16.87	\$3.52	\$44.27	\$10.30	\$17.29	\$21.21	\$3.18	\$51.98	\$96.25
24' Double-Disc Drill, 200HP-WT	\$2.41	\$1.62	\$0.45	\$4.48	\$1.51	\$2.36	\$1.30	\$0.23	\$5.40	\$9.86
4WD-ATV	\$0.58	\$0.33	\$0.05	\$0.96	\$0.15	\$4.40	\$0.64	\$0.11	\$5.31	\$6.27
2-Ton Truck	\$2.00	\$1.13	\$1.52	\$4.65	\$2.00	\$2.40	\$0.73	\$0.13	\$5.26	\$9.90
Tandem Axle Truck	\$3.25	\$1.78	\$2.40	\$7.43	\$2.00	\$2.40	\$0.73	\$0.13	\$5.26	\$12.69
3/4-Ton Pickup	\$2.14	\$1.69	\$1.53	\$5.36	\$0.75	\$0.00	\$4.04	\$0.71	\$5.50	\$10.86
3/4-Ton Pickup	\$1.64	\$0.69	\$0.63	\$2.96	\$0.75	\$0.00	\$1.35	\$0.24	\$2.34	\$5.30
<b>Total</b>	<b>\$46.76</b>	<b>\$31.64</b>	<b>\$12.08</b>	<b>\$90.48</b>	<b>\$25.77</b>	<b>\$36.79</b>	<b>\$37.49</b>	<b>\$6.05</b>	<b>\$106.11</b>	<b>\$196.54</b>

### Machine Costs for Potatoes and Sweet Corn Production, Paterson Trials

Type of Machine	Depreciation \$	Interest \$	Taxes Housing Insurance Licenses \$	Total Fixed Costs \$	Repairs \$	Labor \$	Fuel \$	Lubric. \$	Total Variable Costs \$	Total Costs \$
<i>150HP-WT with:</i>										
Rented 70' Sprayer	\$0.32	\$0.24	\$0.04	\$0.60	\$0.14	\$0.67	\$0.38	\$0.06	\$1.25	\$1.84
Valmar Applicator	\$0.48	\$0.36	\$0.06	\$0.90	\$0.21	\$1.01	\$0.56	\$0.10	\$1.88	\$2.77
<i>200HP-WT with:</i>										
24' Double-Disc Drill	\$2.41	\$1.62	\$0.45	\$4.48	\$1.51	\$2.36	\$1.30	\$0.23	\$5.40	\$9.86
6-row Bed Splitter	\$2.72	\$1.65	\$0.25	\$4.62	\$1.22	\$2.70	\$2.69	\$0.48	\$7.09	\$11.72
6-row Potato Planter	\$7.66	\$5.52	\$1.67	\$14.85	\$6.88	\$4.23	\$4.23	\$0.75	\$16.09	\$30.92
3-row Potato Harvester	\$23.88	\$16.87	\$3.52	\$44.27	\$10.30	\$17.29	\$21.21	\$3.18	\$51.98	\$96.25
20' Stubble Shredder	\$2.08	\$1.33	\$0.33	\$3.74	\$1.11	\$1.77	\$0.97	\$0.17	\$4.02	\$7.76
12-row Corn Planter	\$9.56	\$6.30	\$2.16	\$18.02	\$6.19	\$2.82	\$2.81	\$0.50	\$12.32	\$30.35
<i>Vehicles, self-propelled equipment:</i>										
JD 7720 25' Combine	\$0.73	\$0.55	\$0.18	\$1.45	\$1.89	\$3.46	\$2.48	\$0.37	\$8.19	\$9.64
4WD-ATV	\$0.58	\$0.33	\$0.05	\$0.96	\$0.15	\$4.40	\$0.64	\$0.11	\$5.31	\$6.27
2-Ton Truck	\$2.00	\$1.13	\$1.52	\$4.65	\$2.00	\$2.40	\$0.73	\$0.13	\$5.26	\$9.90
Tandem Axle Truck	\$3.25	\$1.78	\$2.40	\$7.43	\$2.00	\$2.40	\$0.73	\$0.13	\$5.26	\$12.69
3/4-Ton Pickup	\$2.14	\$1.69	\$1.53	\$5.36	\$0.75	\$0.00	\$4.04	\$0.71	\$5.50	\$10.86
3/4-Ton Pickup	\$1.64	\$0.69	\$0.63	\$2.96	\$0.75	\$0.00	\$1.35	\$0.24	\$2.34	\$5.30

### Machinery Complement for Potatoes and Corn Production, Paterson Trials

Type of Machine	Replacement Value	Age When Purchased	Years of Life	Annual Hours of Use	Salvage Value	Annual Repairs (Materials & Labor)	Gallons of Fuel/Hr.	Taxes, Housing, Insur., Licenses	Labor Multiplier	Acres per Hour
	\$				\$	\$		%		
<i>Tractors, ATVs:</i>										
4WD-ATV	7,320	0	10	200	1,500	150	1.2	1.20	1.1	
150HP-WT	100,000	5	15	500	15,000	2,500	6	1.20	1.1	
200HP-WT	125,000	5	10	500	30,000	3,300	10	1.20	1.1	
<i>Equipment:</i>										
24' Double-Disc Drill	22,000	3	15	120	3,000	1,250	6	6.00	1.2	10.18
17' Sunflower Chisel Chopper	30,500	0	15	200	5000	1500	10	0.60	1.1	9.63
6-row Dammer-Diker	30,500	0	15	150	5,000	1000	10	0.60	1.1	7.42
6-row Bed Splitter	6,000	0	15	120	1200	500	10	0.60	1.1	8.15
6-row Rodweeder	8,000	0	15	120	1500	500	10	0.60	1.1	4.8
6-row Potato Planter	46,000	0	15	200	8500	3500	12	3.00	1.2	5.2
3-row Potato Harvester	86,620	0	15	125	18,300	2,600	12	2.00	1.2	1.27
20' Stubble Shredder	21,000	0	10	100	4000	1000	10	2.50	1.1	13.58
12-row Min-Til Corn Planter	110,000	0	15	120	5000	10000	12	3.00	1.2	7.8
JD 7720 25' Combine	20000	15	15	250	2500	3000	7	2.60	1.1	6.36
<i>Trucks:</i>										
				Miles/year:			MPG:			
2-Ton Truck	25,000	10	10	2000	5,000	2,000	6	2.60	1.2	
Tandem Axle Truck	40,000	10	10	2000	7,500	2,000	6	10.10	1.2	
3/4-Ton Pickup	15,000	7	7	6000	3,500	750	12	6.80	1.2	
3/4-Ton Pickup	30,000	0	7	18000	15,000	750	12	6.80	1.2	