

# 2011 Georgia Southern High bush Blueberry in Soil Budget

Prepared by:

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## Year 1: First Year Estimated Establishment and Maintenance Cost per Acre of Southern Highbush blueberry in Soil in Georgia, 2011

Items	Appl.	Unit	Quantity	Price	\$Amt.	Your Cost
<b>Land preparation</b>						
Pre-plant Weed Control		Gal	2.50	36.00	90.00	
Stumping, pushing, burning 2/ Chopping		Acre	1.00	1000.00	1000.00	
		Acre	3.00	40.00	120.00	
Triple Super Phosphate		lbs.	150.00	0.13	19.50	
Copper sulfate		Lbs.	4.00	2.00	8.00	
Harrowing		Acre	3.00	30.00	90.00	
Bedding		Acre	1.00	45.00	45.00	
Breaking aisles		Acre	1.00	30.00	30.00	
Ditching and drainage		Acre	1.00	80.00	80.00	
Milled Pine Bark		Ton	20.00	40.00	800.00	
<b>Planting</b>						
Plants (4' x 10')			1089.00	2.25	2450.25	
Planting labor			1742.00	0.25	435.50	
<b>Fertilizers 1/</b>						
Fertilizer (liquid)		Gal	64.00	1.86	119.04	
<b>Weed Control</b>						
					0.00	
Pre-emergence	2/yr.	Acre	2.00	58.00	116.00	
Post-emergence	2/yr.	Acre	2.00	43.50	87.00	
Tractor & sprayer	4/yr.	Hrs.	4.00	12.00	48.00	
Labor	4/yr.	Hrs.	4.00	9.00	36.00	
<b>Insect &amp; Disease Control</b>						
					<b>0.00</b>	
Fungicide	4/yr.	Acre	4.00	26.43	105.71	
Insecticide	2/yr.	Acre	2.00	12.00	24.00	
Tractor & sprayer	6/yr.	Acre	6.00	12.00	72.00	
Labor	6/yr.	Acre	6.00	9.00	54.00	
Pruning	1/yr.	Hrs.	3.00	9.00	27.00	
Irrigation		Acre	1.00	276.87	276.87	
Interest on Operation Costs		\$	6133.87	0.07	429.37	
<b>Total Operating Cost</b>					<b>\$6,563.24</b>	
<b>Fixed Costs</b>						
Tractor & Equipment		Acre	1.00	795.22	795.22	
Overhead & Management		\$	6563.24	0.15	984.49	
Irrigation		Acre	1.00	1327.65	1327.65	

<b>Total Fixed Costs</b>					<b>\$3,107.36</b>	
<b>Total Establishment Costs</b>					<b>\$9,670.60</b>	

**Table 2: Second Year Estimated and Maintenance Cost per Acre for Georgia Southern Highbush Blueberry in Soil, 2011.**

<b>Operating Costs Items</b>	<b>Appl.</b>	<b>Unit</b>	<b>Quant.</b>	<b>Price</b>	<b>\$Amt.</b>	<b>Your Cost</b>
<b>Fertilizers</b>						
Fertilizer (Liquid)	Yr.	Gal	85.00	1.86	158.10	
<b>Weed Control</b>						
Pre-emergence	2/yr.	Acre	2.00	58.00	116.00	
Post-emergence	2/yr.	Acre	2.00	43.50	87.00	
Labor	4/yr.	Acre	4.00	9.00	36.00	
<b>Insect &amp; Disease Control</b>						
Fungicide	8/yr.	Acre	8.00	46.13	369.00	
Insecticide	4/yr.	Acre	4.00	12.00	48.00	
Tractor & sprayer	12/yr.	Acre	12.00	12.00	144.00	
Labor	12/yr.	Acre	12.00	9.00	108.00	
Pruning	1/yr.	Acre	1089.00	0.22	239.58	
Irrigation	Yr.	Acre	1.00	276.87	276.87	
Interest on Operation Costs		\$	1582.55	0.07	110.78	
<b>Total Operation Cost</b>					<b>\$1,693.33</b>	
<b>Harvesting &amp; Marketing Costs</b>						
Harvesting		lbs.	1700.00	0.72	1224.00	
Custom Packing		Lbs.	1615.00	0.94	1518.10	
Cooling, Handling & Brokerage		Lbs.	1615.00	0.15	242.25	
<b>Total Harvesting &amp; Marketing Costs</b>					<b>\$2,984.35</b>	
<b>Fixed Costs</b>						
Tractor and Equipment		Acre	1.00	795.22	795.22	
Overhead & Management		\$	1693.33	0.15	254.00	
Irrigation		Acre	1.00	1327.65	1327.65	
<b>Total Fixed Costs (TFC)</b>					<b>\$2,376.87</b>	
<b>Total Establishment Cost per Acre (TC)</b>					<b>\$7,054.55</b>	
<b>Less Returns From Receipts</b>		\$	<b>1615.00</b>	<b>3.00</b>	<b>\$4,845.00</b>	
<b>Total Establishment Cost After Deducting Receipts</b>					<b>\$2,209.55</b>	

**Table 3: Third Year Estimated and Maintenance Cost per Acre for Georgia Southern High bush Blueberry in Soil, 2011.**

Operating Costs Items	Appl.	Unit	Quantity	Price	\$Amt.	Your Cost
Fertilizers						
Fertilizer 1/ Weed Control	Yr.	Gal	85.00	1.86	158.10	
Pre-emergence	2/yr.	Acre	2.00	58.00	116.00	
Post-emergence	2/yr.	Acre	2.00	18.00	36.00	
Labor	4/yr.	Acre	4.00	9.00	36.00	
Insect & Disease Control						
Fungicide	8/yr.	Acre	8.00	46.13	369.00	
Insecticide	4/yr.	Acre	4.00	7.00	28.00	
Tractor & sprayer	12/yr.	Acre	12.00	12.00	144.00	
Labor	12/yr.	Acre	12.00	9.00	108.00	
Pruning	1/yr.	Hrs.	4.00	9.00	36.00	
Irrigation		Acre	1.00	276.87	276.87	
Interest on Operation Costs		\$	1307.97	0.07	91.56	
<b>Total Operations Costs</b>					<b>\$1,399.53</b>	
Harvesting & Marketing Costs						
Harvesting		lbs.	4000.00	0.72	2880.00	
Custom Packing		Lbs.	3800.00	0.94	3572.00	
Cooling, Handling & Brokerage		Lbs.	3800.00	0.15	570.00	
<b>Total Harvesting &amp; Marketing Costs</b>					<b>\$7,022.00</b>	
<b>Total Operating, Harvesting and Marketing costs</b>					<b>\$8,421.53</b>	
<b>Fixed Costs</b>						
Tractor and equipment		Acre	1.00	795.22	795.22	
Overhead & Management		\$	1399.53	0.15	209.93	
Irrigation		Acre	1.00	1327.65	1327.65	
<b>Total Fixed Costs</b>		<b>\$</b>			<b>\$2,332.80</b>	
<b>Total Establishment Cost per Acre</b>		<b>\$</b>			<b>\$1,075.33</b>	
<b>Total Receipt Per Acre</b>		<b>\$</b>	<b>3800</b>	<b>3.00</b>	<b>\$11,400</b>	
<b>Total Establishment Cost After Deducting Receipt</b>		<b>\$</b>			<b>\$-645.67</b>	

**Table 4: Fourth Year – Full Production Georgia Southern Highbush Blueberry in Soil Budget, 2011.**

	<b>Best</b>	<b>Opt</b>	<b>Median</b>	<b>Pess.</b>	<b>Worst</b>	<b>Yours</b>
*Yield (lbs.)	9000	8000	<b>7000</b>	6000	5000	
*Price per lb.	3.50	3.25	<b>3.00</b>	2.75	2.50	
<b>Variable Costs Items</b>	<b>Applic- ation</b>	<b>Unit</b>	<b>Quantity</b>	<b>Price</b>	<b>\$Amt./ Acre</b>	<b>Your Cost</b>
<b>Fertilizers</b>						
Fertilizer (Fertigation)	Yr.	Gal	85.00	1.86	158.10	
<b>Weed Control (4' Band)</b>					0.00	
Pre-emergence	2/yr.	Acre	2.00	50.00	100.00	
Post-emergence	2/yr.	Acre	2.00	20.00	40.00	
Tractor & sprayer	4/yr.	Hrs.	4.00	12.00	48.00	
Labor	4/yr.	Hrs.	4.00	9.00	36.00	
<b>Insect &amp; Disease Control</b>					0.00	
Insecticides	3/yr.	Acre	3.00	7.00	21.00	
Fungicides	8/yr.	Acre	8.00	46.13	369.00	
Tractor & sprayer	11/yr.	Hrs.	11.00	12.00	132.00	
Labor	11/yr.	Acre	11.00	9.00	99.00	
<b>Pruning</b>						
Pruning (manual)	1/yr.	Plants	1089.00	0.22	239.58	
Mechanical topping	1/yr.	Acre	1.00	75.00	75.00	
Irrigation		Acre	1.00	276.87	276.87	
Interest on Operation Costs		\$	1594.55	0.07	111.62	
<b>Total Pre-Variable Costs</b>		<b>\$</b>			<b>1706.17</b>	
<b>Harvesting &amp; Marketing Costs</b>						
Harvesting		lbs.	7000.00	0.72	5040.00	
Custom Packing		Lbs.	6650.00	0.94	6251.00	
Cooling, Handling & Brokerage		Lbs.	6650.00	0.15	997.50	
<b>Total Harvesting &amp; Marketing Costs</b>		<b>\$</b>			<b>12288.50</b>	
<b>Total Variable, Harvesting &amp; Marketing Costs</b>					<b>13994.67</b>	
<b>Fixed Costs</b>						
Tractor & Equipment		Acre	1.00	795.22	795.22	
Overhead & Management		\$	1706.17	0.15	255.93	
Irrigation		Acre	1.00	1327.65	1327.65	
Recaptured Establishment Costs		Acre	1.00	1039.38	1039.38	
<b>Total Fixed Costs</b>		<b>\$</b>			<b>3,418.18</b>	
<b>Total budgeted cost per acre</b>		<b>\$</b>			<b>17,412.84</b>	

**Table 5: Net Returns Over Total Costs of Producing Southern High Bush Blueberry in Soil in Georgia, 2011.**

Net return levels (TOP ROW);							
The chances of obtaining this level or more (MIDDLE ROW); and							
The chances of obtaining this level or less (BOTTOM ROW).							
Items	Best	Optimistic		Expected	Pessimistic		Worst
Returns (\$)	9,187	8,113	7,040	<b>2,537</b>	4,892	3,819	2,745
Chances (%)	7%	16%	31%	94%			
Chances (%)				6%	31%	16%	7%
<b>Chances for Profit =</b>		<b>99%</b>	<b>Base Budgeted Net Revenue =</b>			<b>\$3,587</b>	

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