

2011 Georgia Rabbiteye Blueberry Budget

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Year 1: First Year Estimated Establishment and Maintenance Cost per Acre of Producing Rabbiteye Blueberries in Georgia, 2011.

Items	Appl.	Unit	Quantity	Price	\$Amt.	Your Cost
Land prep						
Pre-plant Weed Control		Gal	2.50	36.00	90.00	
Stumping, pushing, burning		Acre	1.00	1000.00	1000.00	
Chopping		Acre	3.00	40.00	120.00	
Triple Super Phosphate		lbs.	150.00	0.32	48.00	
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		Tons	20.00	40.00	800.00	
Planting						
Plants (5' x 12')		Acre	726.00	1.65	1197.90	
Planting labor (5 people)		Acre	15.00	9.00	135.00	
Trans-planter rental		Acre	1.00	11.25	11.25	
Fertilizers						
Fertigation	7/yr.	lbs.	35.00	1.87	65.45	
Weed Control						
Pre-emergence	2/yr.	Acre	2.3	43.88	100.92	
Post-emergence	2/yr.	Acre	2.15	35.00	75.25	
Tractor & sprayer	4/yr.	Hrs.	4	12.00	48.00	
Labor	4/yr.	Hrs.	4	9.00	36.00	
Insect & Disease Control						
Pre-harvest	2/yr.	Acre	2	50.00	100.00	
Post-Harvest	2/yr.	Acre	2	50.00	100.00	
Tractor & sprayer	4/yr.	Hrs.	4	12.00	48.00	
Labor	4/yr.	Acre	4.00	9.00	36.00	
Pruning (hand)	1/yr.	Hrs.	3.00	9.00	27.00	
Irrigation		Acre	1.00	44.63	44.63	
Interest on Operating Costs		\$	4336.41	0.07	303.55	
Total Operating Costs					\$4,639.95	
Fixed Costs						
Tractor & Equipment		Acre	1.00	695.18	695.18	
Overhead & Management		\$	4639.95	0.15	695.99	
Drip Irrigation		Acre	1.00	215.98	215.98	
Total Fixed Costs					\$1,607.14	
Total Establishment Costs					\$6,247.10	

Table 2: Second Year Estimated and Maintenance Cost per Acre or Producing Rabbiteye Blueberries in Georgia, 2011.

Operating Costs Items	Appl.	Unit	Quantity	Price	\$Amt.	Your Cost
Fertilizers						
Fertigation	7/yr.	lbs.	55.00	1.87	102.85	
Weed Control					0.00	
Pre-emergence	2/yr.	Acre	2	50.00	100.00	
Post-emergence	2/yr.	Acre	2	25.00	50.00	
Tractor & sprayer	4/yr.	Hrs.	4	12.00	48.00	
Labor	4/yr.	Hrs.	4	9.00	36.00	
Insect & Disease Control						
Pre-harvest	2/yr.	Acre	2	50.00	100.00	
Harvest	2/yr.	Acre	2	50.00	100.00	
Postharvest	2/yr.	Acre	2	50.00	100.00	
Tractor & sprayer	6/yr.	Hrs.	6	12.00	72.00	
Labor	7/yr.	Hrs.	6	9.00	54.00	
Pruning	1/yr.	Hrs.	7.00	9.00	63.00	
Mowing	3/yr.	Hrs.	3	9.00	27.00	
Irrigation		Acre	1.00	44.63	44.63	
Interest on Operating Costs		\$	897.48	0.07	62.82	
Total Operating Costs					\$960.30	
Harvesting & Marketing Costs						
Harvesting		lbs.	1500.00	0.18	270.00	
Custom Packing -Fresh		Lbs.	712.50	0.62	441.75	
Custom Packing - Frozen		Lbs.	712.50	0.20	142.50	
Cooling, Handling & Brokerage		\$	1425.00	0.15	213.75	
Total Harvesting & Marketing Costs					\$1,068.00	
Fixed Costs						
Tractor & Equipment		Acre	1.00	695.18	695.18	
Overhead & Management		\$	960.30	0.15	144.05	
Drip irrigation		Acre	1.00	215.98	215.98	
Total Fixed Costs					\$1,055.20	
Total Establishment Costs					\$3,083.50	
Less Return From Receipts		\$	1425.00	1.05	1496.25	
Total Establishment Cost after deducting Receipts					\$1,587.25	

Table 3: Third Year Establishment and Maintenance Cost per Acre of Producing Rabbiteye Blueberries in Georgia, 2011.

Operating Costs Items	Appl.	Unit	Quantity	Price	\$Amt.	Your Cost
Fertilizers						
Fertilizer	7/yr.	lbs.	56.80	1.87	106.22	
Labor (hand/mechanical)	Yr.	Hrs.	1.00	9.00	9.00	
Weed Control						
Pre-emergence	2/yr.	Acre	2.00	50.00	100.00	
Post-emergence	2/yr.	Acre	2.00	25.00	50.00	
Tractor & sprayer	4/yr.	Hrs.	4.00	12.00	48.00	
Labor	4/yr.	Hrs.	4.00	9.00	36.00	
Insect & Disease Control						
Fungicide	4/yr.	Acre	4.00	52.71	210.84	
Insecticide	3/yr.	Acre	3.00	12.00	36.00	
Tractor & sprayer	7/yr.	Hrs.	7.00	12.00	84.00	
Labor	7/yr.	Hrs.	7.00	9.00	63.00	
Pruning						
Mowing	1/yr.	Acre	1.00	75.00	75.00	
Pollination	3/yr.	Hrs.	3.00	9.00	27.00	
Drip Irrigation	1/yr.	Acre	2.00	45.00	90.00	
Interest on Operating Costs	Yr.	Acre	1.00	44.63	44.63	
		\$	979.69	0.07	68.58	
Total Operating Costs					\$1,048.27	
Harvesting & Marketing Costs						
Harvesting 2/		lbs.	4500.00	0.18	810.00	
Custom Packing -Fresh		Lbs.	2137.50	0.62	1325.25	
Custom Packing - Frozen		Lbs.	2137.50	0.20	427.50	
Cooling, Handling & Brokerage		\$	4275.00	0.15	96.19	
Total Harvesting & Marketing Costs					\$2,658.94	
Fixed Costs						
Tractor & Equipment		Acre	1.00	695.18	695.18	
Overhead & Management		\$	1048.27	0.15	157.24	
Drip irrigation		Acre	1.00	215.98	215.98	
Total Fixed Costs					1068.39	
Total Establishment Costs					\$4,775.59	
Less Return From Receipts 1/		\$	4275.00	1.05	\$4,488.75	
Total Establishment Costs after deducting Receipts					\$286.84	

Table 4: Fourth Year Establishment and Maintenance Cost per Acre of Producing Rabbiteye Blueberries in Georgia, 2011.

Operating Costs Items	Appl.	Unit	Quantity	Price	\$Amt.	Your Cost
Fertilizers						
Fertilizer	7/yr.	lbs.	56.80	1.87	106.22	
Labor	Yr.	Hrs.	1.00	9.00	9.00	
Weed Control						
Pre-emergence	2/yr.	Acre	2.00	50.00	100.00	
Post-emergence	2/yr.	Acre	2.00	25.00	50.00	
Tractor & sprayer	4/yr.	Hrs.	4.00	12.00	48.00	
Labor	4/yr.	Hrs.	4.00	9.00	36.00	
Insect & Disease Control						
Fungicide	4/yr.	Acre	4.00	52.71	210.84	
Insecticide	3/yr.	Acre	3.00	12.00	36.00	
Tractor & sprayer	7/yr.	Hrs.	7.00	12.00	84.00	
Labor	7/yr.	Hrs.	7.00	9.00	63.00	
Pollination						
Bee hives	1/yr.	Acre	2.00	45.00	90.00	
Gibberellic Acid	2/yr.	Ozs.	48.00	1.50	72.00	
Tractor & sprayer	2/yr.	Hrs.	2.00	12.00	24.00	
Labor	2/yr.	Hrs.	2.00	9.00	18.00	
Pruning						
Pruning	1/yr.	Acre	1.00	75.00	75.00	
Mowing	3/yr.	Hrs.	3.00	9.00	27.00	
Labor	3/yr.	Hrs.	3.00	9.00	27.00	
Irrigation		Acre	1.00	44.63	44.63	
Interest on Operating Costs		\$	1120.69	0.07	78.45	
Total Operating Costs					\$1,199.14	
Harvesting & Marketing Costs						
Harvesting (manual)		lbs.	7000.00	0.18	1260.00	
Custom Packing - Fresh		Lbs.	3325.00	0.62	2061.50	
Custom Packing - Frozen		Lbs.	3325.00	0.20	665.00	
Cooling, Handling & Brokerage		\$	6650.00	0.15	149.63	
Total Harvesting & Marketing Costs					\$4,136.13	
Fixed Costs						
Tractor & Equipment		Acre	1.00	695.18	695.18	
Overhead & Management		\$	1199.14	0.15	179.87	
Drip irrigation		Acre	1.00	215.98	215.98	
Total Fixed Costs					1091.02	
Total Establishment Costs					\$6,426.28	
Return From Receipts - Fresh			3325	1.5	\$4,987.50	
Return From Receipts - Frozen			3325	0.6	\$1,995.00	
Less Total Receipt (Fresh & Frozen)					\$6,982.50	
Total Establishment Costs After Deducting Receipt					\$-556.22	

Table 5: Fifth Year - Full Production Cost per Acre of Rabbiteye Blueberries in Georgia, 2011.

Items	Best	Optimistic	Median	Pessimistic	Worst	Yours
Yield (lbs.)	9000	8000	7000	6000	5000	
Fresh Price per lb.	1.80	1.70	1.50	1.30	1.10	
Price per lb. processed	0.8	0.7	0.6	0.5	0.40	
Variable Costs Items	Appli- cation	Unit	Quantity	Price	\$Amt./ Acre	Your Cost
Fertilizers						
Fertilizers 1/	Yr.	Lbs.	55.8	1.87	104.35	
Weed Control (4' Band)						
					0.00	
Pre-emergence	2/yr.	Acre	2.00	50.00	100.00	
Post-emergence	3/yr.	Acre	3.00	25.00	75.00	
Tractor & sprayer	5/yr.	Hrs.	5.00	12.00	60.00	
Labor	5/yr.	Hrs.	5.00	9.00	45.00	
Insects & Disease Control						
					0.00	
Fungicide	5/yr.	Acre	5.00	52.71	263.55	
Insecticide	4/yr.	Acre	4.00	12.00	48.00	
Tractor & sprayer	9/yr.	Hrs.	9.00	12.00	108.00	
Labor	9/yr.	Hrs.	9.00	9.00	81.00	
Pollination						
Bee hives	1/yr.	Acre	2.00	45.00	90.00	
Gibberelic acid (growth regulator)	2/yr.	Ozs.	48.00	1.50	72.00	
Tractor & sprayer	2/yr.	Hrs.	2.00	12.00	24.00	
Pruning						
Pruning (manual)	1/yr.	Acre	1.00	75.00	75.00	
Drip Irrigation	Yr.	Acre	1.00	44.63	44.63	
Interest on Operating Costs		\$	1190.53	0.07	83.34	
Total Variable Costs					\$1,273.86	
Harvesting & Marketing Costs						
Custom Harvesting		Lbs.	7000	0.18	1260.00	
Custom packing - Fresh		Lbs.	3325	0.62	2061.50	
Custom packing - Frozen		Lbs.	3325	0.2	99.75	
Cooling, Handling & Brokerage		Lbs.	6650	0.15	997.50	
Total Harvesting & Marketing Costs (\$)					\$4,418.75	
Total Variable Costs (\$)					\$5,692.61	
Fixed Costs						
Tractor & Equipment		Acre	1	695.18	695.18	
Overhead & Management		\$	1273.86	0.15	191.08	
Drip irrigation		Acre	1	215.98	215.98	
Recaptured Costs		Acre	1	735.27	735.27	
Total Fixed Costs					\$1,837.50	
Total budgeted cost per acre					\$7,530.11	

Table 5: Net Returns Over Total Costs of Producing Rabbiteye Blueberries 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).						
	Best	Optimistic	Expected	Pessimistic		Worst
Returns (\$)	6,910	6,078	2,970	3,549	2,684	1,818
Chances (%)	6%	16%	80%	0.70	0.84	1
Chances (%)			20%	30%	16%	7%
Chances For Profit =	99%	Base Budgeted Net Revenue =				2,970

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