

*Table 2. Intertidal rack-and-bag cultivation assumptions*

<b>Production Assumptions</b>		
Total Leased Area Harvested Per Year	1.5	acres
Time Until Harvest Size	26.0	range between 16-30 months; used 26 months
Survival - 1st Season	85.0%	15% mortality in season 1
Survival - 2nd Season	79.0%	21% mortality to grow-out
Total Number of Oysters Harvested Per Year	268,600	3" oysters per year
Total Seed Oysters Needed	400,000	2mm oysters per year
<b>Cost Assumptions</b>		
Purchase Price of Seed Oysters	\$0.01	per 2mm oyster
Lease/Rent for Growing Area	\$111.50	per year
General Labor Rate	\$17.00	per hour
General Labor Hours	120.0	3 workers * 40 hours/week
General Labor Weeks Per Year	40.0	weeks worked per year
Supervisory Labor Rate	\$25.00	per hour
Supervisory Labor Hours Per Week	24.0	1 crew manager
Supervisory Labor Weeks Per Year	52.00	weeks worked per year
Average Yearly Fuel Cost	\$1,550.00	ATV (\$300) and van (\$1,250)
Insurance (Business Liability)	\$1,090.00	per year
Insurance (Workers Comp)	5.0%	per year
Licenses	\$150.00	\$50/year * 3 harvest crew members
Yearly Permit Fees	\$101.00	Lease fees
Yearly Permit Fees	\$500.00	DEP Tidelands fee
Overhead	2.0%	accounting, legal, payroll svcs, office supplies, local taxes, telephone, travel, and utilities
Yearly Loan Payments	\$0	no loans
Repairs To Capital Equipment	2.0%	percentage of equipment value per year
<b>Marketing Assumptions</b>		
Percentage Oysters Sold to Half Shell Market	100%	oysters sold to half shell market
Percentage Sold to Other Markets	0%	sold by bushel to other markets
Price For 3" Half Shell Market	\$1.10	per oyster
Retail Containers (Bag and Shipping Tag)	100	# per bag
Cost Of Retail Containers	\$0.005	per bag & tag
Marketing Expense	\$2,100	per year
Labor (2 workers, 20hrs/week, \$17/hour)	\$27,200	per year (2,400 hours)
Refrigerated Van (including \$1,250 fuel)	\$5,400	per year
Refrigerated Van - Insurance	\$2,500	per year
Post-Harvest (packing facility rent)	\$1,000	per month