

**BioPro 190 Cost Per Gallon & Return On Investment Worksheet**

*This handy worksheet can help you calculate how much your biodiesel will cost to make and how quickly you can expect to recover your initial investment in a BioPro 190 Automated Biodiesel Processor*

*Change the values in yellow to your actual costs*

Constant Costs					
BioPro 190 Machine Cost			\$9,995.00		
BioPro 190 Batch Size (In Gallons)			50		
Usage Fee Per Batch	\$	-		<= Enter how much you'll charge to run a batch	
Labor Cost Per Hour	\$	-		<= Enter how much you'll charge for labor per hour	
Rent Per Month	\$	-		<= Enter how much building space is per month	
Variable Costs	Bulk Cost	Cost Per Unit	Used Per Batch	Per Batch	Per Gallon
Methanol (Per Gallon)	\$165/55 gallon	\$3.00	10	\$30.00	\$ 0.60
Catalyst (KOH) (Per Gram)	\$65/50# bag (22,727 grams)	\$0.00296	2350	\$6.96	\$ 0.14
Electricity (Per Killawatt Hours)	25 kWh @ \$0.10/kWh	\$0.10	25	\$2.50	\$ 0.05
Sulfuric (Per Milliliters)	\$33.18/ 2500 mL	\$0.0130	190	\$2.47	\$ 0.05
Water (Per Gallon)	\$0.01/gal	\$0.010	50	\$0.50	\$ 0.01
Usage Fee (Per Batch)	Pulls From Above	\$0.00	1	\$0.00	\$ -
Labor (Per Minute)	Pulls From Above	\$0.00	45	\$0.00	\$ -
Rent (Per Day-Assuming 30 Days/Mo)	Pulls From Above	\$0.00	1.5	\$0.00	\$ -
<b>Total</b>				<b>\$42.43</b>	<b>\$ 0.85</b>

Savings & ROI Analysis			
Cost To Produce (per gallon)	\$	0.85	
Cost Of Diesel Fuel (per gallon)	\$	3.00	<= Enter current cost of diesel fuel in your area
Cost Savings Per Gallon	\$	2.15	
Cost Savings Per Batch	\$	107.57	
<b>Total Batches Required For Payback</b>		<b>93</b>	
<b>Total Gallons Required For PayBack</b>		<b>4,646</b>	

Total Batches Made		1	<= Enter how many batches you have made
Total Gallons Produced		50	
Total Savings Realized	\$	107.57	