

## Hemp Oil Production Analysis - Total Industry U.S.

### Current Market Size Metrics

				T O T A L P R O J E C T E D U S A G E				
Current & Projected Annual Consumer Usage				2018	2019	2020	2021	2022 <sup>1</sup>
Total Gross Revenue			\$887,000,000	1,108,750,000	1,441,375,000	2,450,337,500	4,900,675,000	
Avg. Retail Sale	Per 1000 mg		\$45.00	40.00	27.00	21.00	15.00	
Total Unit Sales @ 1000 mg/sale	Unit Sales		19,711,111	27,718,750	53,384,259	116,682,738	326,711,667	
Total Oil Weight	Pounds		43,359	61,108	117,690	257,237	720,264	
Total Weight	Tons (2k lbs)		22	31	59	129	360	
<b>Annual Cultivation</b>								
Total Biomass	Pounds		541,991	763,854	1,471,127	3,215,463	9,003,298	
Total Acreage @ 2.5 tons/acre x 2 crops/year	Acres		217	306	588	1,286	3,601	
Total Trucks Baled Biomass, 40k pounds/truck	40,000		14	19	37	80	225	
<b>Production</b>								
Annual	Tons		217	306	588	1,286	3,601	
Monthly	Tons		18.07	25.46	49.04	107.18	300.11	
Weekly	Tons		4.30	6.06	11.68	25.52	71.45	
	Pounds		8,603	12,125	23,351	51,039	142,909	
Daily	Pounds		1,229	1,732	3,336	7,291	20,416	
Hourly	7 days x 24 hrs	Pounds	<b>51.21</b>	<b>72.17</b>	<b>139.00</b>	<b>303.80</b>	<b>850.65</b>	
Gallons of Oil/Month	7.44 lbs/gallon		<b>4,956</b>	<b>6,984</b>	<b>13,451</b>	<b>29,400</b>	<b>82,321</b>	
Truck Loads/Month	6,400 gals/truck		0.77	1.09	2.10	4.59	12.86	
<b>System Capacities Based % of TOTAL Market (line 5)</b>								
<i>Pounds per Day Based on Total Market - Machines Running 365 days/7x24/year</i>								
	2.50%	lbs processed per day	30.73	43.30	83.40	182.28	510.39	
		Equipment Cost	\$186,000	226,000	360,000	349,000	480,000	
	5%	lbs processed per day	61.45	86.60	166.79	364.57	1020.78	
		Equipment Cost	\$126,000	160,000	349,000	480,000	880,000	
	7%	lbs processed per day	86.03	121	234	510	1,429	
		Equipment Cost	\$160,000	220,000	480,000	880,000	1,200,000	
	10%	lbs processed per day	122.90	173.21	333.59	729.13	2041.56	
		Equipment Cost	\$220,000	480,000	480,000	1,200,000	3,200,000	
<b>Return On Investment - Wholesale Raw Oil (no post process) @ \$4.00 per gram wholesale</b>								
Equipment Cost	Hemp	Price Per Pound	Daily Grams	Revenue Per day	Return on Investment (days)			
\$186,000	Yes	\$75	1,350	\$5,400				
\$226,000	Yes	75	1,445	5,780				
\$480,000	Yes	75	11,804	47,216				
\$1,200,000								
\$3,200,000								

Daily Operational Costs							
System	Power (kW)	Power Consumption Cost	Extraction Medium			Daily Operational Cost (inc. labor)	
\$186,000							
\$226,000							
\$480,000							
\$1,200,000							
\$3,200,000							