

BASIC COST AND MARKET VALUE ESTIMATES FOR CHANNEL CATFISH PRODUCTION¹

William A. Wurts, State Specialist for Aquaculture
 Kentucky State University Cooperative Extension Service
www.ca.uky.edu/wkrec/Wurtspage.htm

Individual price and cost of stocking

<u>Fingerlings/each</u>	<u>Number of fish stocked and pounds produced per acre</u>			
	<u>1,000</u>	<u>1,500</u>	<u>2,000</u>	<u>4,500</u>
\$ 0.10	\$ 100	\$ 150	\$ 200	\$ 450
0.15	150	225	300	675
0.20	200	300	400	900
0.25	250	375	500	1,125

Price of feed and cost to produce 1 to 1-1/4 lb fish at several densities/acre².

<u>Price/lb</u>	<u>Price/50 lb bag</u>				
\$ 0.13	\$ 6.50	\$ 260	\$ 390	\$ 520	\$ 1,170
0.14	7.00	280	420	560	1,260
0.15	7.50	300	450	600	1,350
0.16	8.00	320	480	640	1,440
0.17	8.50	340	510	680	1,530

Gross costs (feed + fingerlings) for various feed and fingerlings prices, and stocking densities/acre.

<u>Feed price/lb</u>	<u>Price/fingerling</u>				
\$ 0.13	\$ 0.10	\$ 360	\$ 540	\$ 720	\$ 1,620
	0.15	410	615	820	1,845
	0.20	460	690	920	2,070
	0.25	510	765	1,020	2,295
0.14	0.10	380	570	760	1,710
	0.15	430	645	860	1,935
	0.20	480	720	960	2,160
	0.25	530	795	1,060	2,385
0.15	0.10	400	600	800	1,800
	0.15	450	675	900	2,025
	0.20	500	750	1,000	2,250
	0.25	550	825	1,100	2,475
0.16	0.10	420	630	840	1,890
	0.15	470	705	940	2,115
	0.20	520	780	1,040	2,340
	0.25	570	855	1,140	2,565
0.17	0.10	440	660	880	1,980
	0.15	490	735	980	2,205
	0.20	540	810	1,080	2,430
	0.25	590	885	1,180	2,655

Wholesale and retail values of 1 lb catfish (live weight) for various harvest densities/acre.

<u>Wholesale value/lb</u>	<u>Number of fish stocked and pounds produced per acre</u>			
	<u>1,000</u>	<u>1,500</u>	<u>2,000</u>	<u>4,500</u>
\$ 0.70	\$ 700	\$ 1,050	\$ 1,400	\$ 3,150
0.75	750	1,125	1,500	3,375
0.80	800	1,200	1,600	3,600
0.85	850	1,275	1,700	3,825
<u>Retail value/lb</u>				
\$ 0.90	\$ 900	\$ 1,350	\$ 1,800	\$ 4,050
1.00	1,000	1,500	2,000	4,500
1.25	1,250	1,875	2,500	5,625
1.50	1,500	2,250	3,000	6,750

¹ These estimates do not include the costs associated with financing, salaries, labor, energy, etc.

² Production cost estimates assume that it takes 2 lbs of feed to produce 1 lb of channel catfish.