

# Comparing the costs of lobster grading with and without the VisiGrader Lobster Grading System

One person can grade lobsters just as fast as two people using the traditional method.

Using the VisiGrader Lobster Grader System, a crate of lobsters is placed on the scale. As each lobster is removed from the crate, the VisiGrader instantly indicates by color and number which destination crate the lobster should be placed in.

The grading station operator simply observes the color and/or number, and places the lobster in the crate associated with that color/number.



## LOBSTER GRADING COSTS

### ASSUMPTIONS:

	Without VisiGrader	With VisiGrader
Number of workers per scale	2	1
Worker pay rate \$/Hour	\$15.00	\$15.00
100 lb Crates graded per hour	10	10
Cost of digital scale	\$2,200.00	\$2,200.00
Cost of VisiGrader		\$3,500.00
Depreciation Rate %/yr	20	20
Labour Cost per crate graded	\$3.00	\$1.50
Depreciation Cost per year	\$440	\$1,140

YEAR 1 BENEFITS	Without VisiGrader	With VisiGrader	YR 1 Gross Savings	Annual % Rate of return On VisiGrader Cost
Number of crates sold/year	Total Costs	Total Costs		
1000	\$3,440	\$2,640	\$800.00	23%
2000	\$6,440	\$4,140	\$2,300.00	66%
3000	\$9,440	\$5,640	\$3,800.00	109%
4000	\$12,440	\$7,140	\$5,300.00	151%
5000	\$15,440	\$8,640	\$6,800.00	194%
6000	\$18,440	\$10,140	\$8,300.00	237%
7000	\$21,440	\$11,640	\$9,800.00	280%
8000	\$24,440	\$13,140	\$11,300.00	323%
9000	\$27,440	\$14,640	\$12,800.00	366%
10000	\$30,440	\$16,140	\$14,300.00	409%

Number of crates per year	Without VisiGrader	With VisiGrader	Savings	Accumulated Savings
10,000		10,000		
Total Cost Year 1	\$30,440.00	\$16,140.00	\$14,300.00	\$14,300.00
Total Cost Year 2	\$30,440.00	\$16,140.00	\$14,300.00	\$28,600.00
Total Cost Year 3	\$30,440.00	\$16,140.00	\$14,300.00	\$42,900.00
Total Cost Year 4	\$30,440.00	\$16,140.00	\$14,300.00	\$57,200.00
Total Cost Year 5	\$30,440.00	\$16,140.00	\$14,300.00	\$71,500.00
Total Cost Year 6	\$30,000.00	\$15,000.00	\$15,000.00	\$86,500.00
Total Cost Year 7	\$30,000.00	\$15,000.00	\$15,000.00	\$101,500.00

Costs of Grading Lobster

Total Cost Year 8	\$30,000.00	\$15,000.00	\$15,000.00	\$116,500.00
Total Cost Year 9	\$30,000.00	\$15,000.00	\$15,000.00	\$131,500.00
Total Cost Year 10	\$30,000.00	\$15,000.00	\$15,000.00	\$146,500.00

For more information contact Know Tech Environmental Inc. 800 890 8608