Case study report: odi

Education



Case Study Report: Optical Distortion, Inc. (A)

When it comes to appealing characteristics, the three types of chicken farms are the same: less cannibalism, less feed cost, and less the temporary weight loss, and the retardation of egg production. From the perspective of cannibalism, which is originally 25% showed inexperience, flock mortality is reduced to an average of 4.5% when the ODI lens is used. On the contrary, the debeaking makes the mortality for cannibalism from 25% to only 9%, which is higher than the contact lenses used. In other words, farmers can save more 4.5% (9% minus 4.5%) chickens on their farm. In other words, farmers can save \$2. 40(the price per hen)*4. 5%*the number of chickens on the farm. From the perspective of less feed cost, the debeaking chicken only can eat the feed in the trough at least 3/8" deep, while the ODI lens used chicken only can eat the feed in the trough below 3/8" deep. At \$158 per ton for chicken feed, this would represent considerable annual savings, especially for large farms. From the perspective of less the temporary weight loss and the retardation of egg production, because of the fewer cannibalism and the trauma resulting, farmers can get more eggs. When it comes to unappealing characteristics, the details are as below.

Farm Types	Unappealing Characteristics	Small Farms	Labor cost	Lens cost

The number of birds is too small to use the newtechnology

Medium Farms	Yearly cash flow is only	
Mediam raims	\$375, 000	

The melting point of the hydrophilic polymer is very close to the sterilization temperature

Not reused and the	Largo Farms	Not reused	Lens cost
lens cost	Large Farms	Not reused	Lens Cost

The melting point of the hydrophilic polymer is very close to the sterilization temperature

As regards geographic areas, ODI should focus its efforts on California. Given the density of large farms n California (flock size of 50, 000 or greater), it seems prudent not only to perform the initial product introduction there but to focus the entire first year of business in this single West Coast state. The first year's planned production volume is approximately 20 million, essentially the same as California's chicken population. Success in this region could later force farms in other states to implement the lens simply as a means of staying competitive. As regards the target segment, it would seem that the focus should be initially on farms with a flock size of 50, 000 and over, which means the large farms. Since this would limit the overhead (fixed costs) needed to service these accounts (fewer sales and technical experts required). Also, by focusing on large farms, the sales team could interface with the farms directly, and there would be no need for a " middle man" to be involved in product distribution. Avoiding this intermediary would help keep costs down. For ODI, pricing considerations for a pair of lenses are as below.

Item	Fixed Cost

Advertising in		
Trade	\$100,000	
Publications		
Headquarters	\$184, 000(for the volume	
Expenses	of 20 million pair)	
Regional		
Office and	\$196, 000	
Warehouse		
	\$12, 000 x 3 = \$36, 000	
Costs of Molds	(3 molds are needed to	
Costs of Molas	produce 21, 600, 000	
	pair annually)	
Licensing	\$25, 000 (per year, must	
Agreement	be paid for the first and	
with New	second year of	
World Plastics	production)	
Item	Variable Cost	
Per pair of lens	os \$0, 032	
l el pall ul lells	C3 40. 032	
ODL Cost(por v	early TC- FC+MC TOTAL	

ODI Cost(per year): TC= FC+MC TOTAL COST=[(\$100, 000 + \$184, 000 + \$196, 000 + \$36, 000 + \$25, 000)/(50% of 475600000)]+0. 032=\$0. 055 (5. 5 cents) per pair Farmers Saving when using ODI lens(per year):

Item	Saving
Less Mortality	\$2. 40*(9%-4. 5%)= 0. 108
Less retardation of egg	0. 3/12= 0. 044
Less feed cost	(0. 2446-0. 2368)*3/8*(\$158/2000)*365= 0. 084

TOTAL SAVING=\$0. 108+\$0. 044+\$0. 084=\$0. 236(23. 6cent). The minimum price that ODI considered is 8 cents per pair, so the price stage is from 8 cents to 23. 6 cents, and the ODI should adopt the price policy on entry which is set the price near 23. 6 cents per pair. For the realistic goal for ODI by 1978 is the 50 percent penetration of such farms, when means ODI wants to reach the 50 percent of 470. 8 million pairs, that is, 235. 4 million pairs of the lens be sold and used in the farms.