Western Cape Government

AGRICULTURAL ECONOMICS SERVICES
Division: Production Economics
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ENTERPRISE BUDGET			
Classification	Shell Fish	**Province**	Western Cape
Enterprise Budget Name	Oysters *(Crassostrea gigas)*	**District**	Swartland-West Coast
Seawater Size	1 Ha	**Area**	Saldanha
Date Developed	17 February 2020	**Date Updated**	23 June 2022
Developer	Mzwanele Lingani	**Updater**	Mzwanele Lingani
Seeding density/Month	**59 444,00**		

Use this Budget only as aid in the planning process.

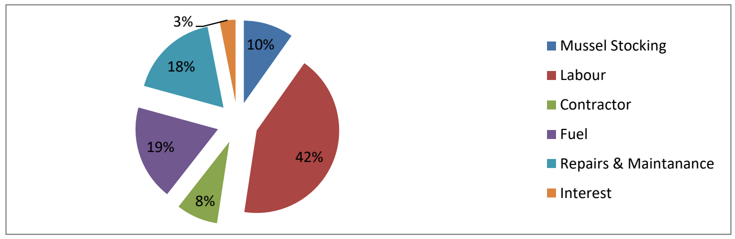
	Unit	Price Per Unit	Quantity	Total (R)	Value Per Unit
GROSS INCOME			**100 000,00**	**583 750,00**	**5,84**
Product income					
Cocktail oysters (12.5%)	Oyster	4,20	12 500,00	52 500,00	4,20
Medium oyster (67.5%)	Oyster	5,50	67 500,00	371 250,00	5,50
Large oysters (6%)	Oyster	6,50	6 000,00	39 000,00	0,58
Extra large oyster (6%)	Oyster	7,50	6 000,00	45 000,00	0,67
G1 oyster (8%)	Oyster	9,50	8 000,00	76 000,00	1,13
MARKETING COSTS	Oyster	0,00	100 000,00	0,00	0,00
GROSS INCOME minus MARKETING COSTS				**583 750,00**	**5,84**
TOTAL ALLOCATABLE VARIABLE COSTS				**229 220,99**	**2,29**
DIRECTLY ALLOCATABLE VARIABLE COSTS				**201 473,87**	**2,01**
CONSUMABLE ITEMS/COSTS					
OYSTER STOCKING				**137 910,08**	**1,38**
Seed stocking (Oyster)	Seed	0,29	475 552,00	137 910,08	**1,38**
CASUAL LABOUR				**63 563,79**	**0,64**
Labour harvesting	R/Manday	208,71	115,00	24 001,65	0,24
Maintenance	R/Manhour	23,19	250,00	5 797,50	0,06
Re-seeding	R/Manhour	23,19	250,00	5 797,50	0,06
Labour cleaning	R/Manday	208,71	134,00	27 967,14	0,28
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				**382 276,13**	**3,82**
INDIRECTLY ALLOCATABLE VARIABLE COSTS				**27 747,12**	**0,28**
Fuel	R			17 691,27	0,18
Repairs & Maintenance	R			10 055,85	0,10
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS				**354 529,01**	**3,55**
Interest on Working Capital				8 404,77	0,08
MARGIN ABOVE SPECIFIED COSTS				**346 124,24**	**3,46**

NOTES:	
Interest Rate	8,25%
Growing period of an oyster (Months)	8
Mortality rate	10,63%

SENSITIVITY ANALYSIS

YIELD (KG)	PRICE (R/KG)				
YIELD CHANGE AT 10% INCREMENTS	LESS 10%	LESS 5%	ACTUAL	ADD 5%	ADD 10%
	3,81	4,03	4,24	4,45	4,66
80 000,00	67 474,24	84 424,24	101 374,24	118 324,24	135 274,24
90 000,00	105 611,74	124 680,49	143 749,24	162 817,99	181 886,74
100 000,00	143 749,24	164 936,74	186 124,24	207 311,74	228 499,24
110 000,00	181 886,74	205 192,99	228 499,24	251 805,49	275 111,74
120 000,00	220 024,24	245 449,24	270 874,24	296 299,24	321 724,24
BREAKEVEN YIELD (KG)	62 307,64	59 028,29	56 076,88	53 406,55	50 978,98

Costs Of Production	R/Ha
Mussel Stocking	137 910,08
Labour	63 563,79
Fuel	17 691,27
Repairs & Maintanance	10 055,85
Interest	8 404,77



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