Western Cape Government

AGRICULTURAL ECONOMICS SERVICES
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ENTERPRISE BUDGET			
Classification	Fruit	**Province**	Western Cape
Enterprise Budget Name	Cherry- YR 5	**District**	Cape Winelands
Land Size	1 ha	**Area**	Ceres
Date Developed	09 May 2019	**Date Updated**	20 June 2022
Developer	Athenkosi Mbaba	**Updater**	Nkhanedzeni Nedzungani
Soil Type	Sandy-Loam		

Use this enterprise budget as an aid in the planning process.

Description	Unit	Price Per Unit	Quantity	Per Ha	Value Per Yield Unit
GROSS INCOME			**8 000,00**	**761 600,00**	**95,20**
Product Income					
Cherry- Fresh market (20%)	Kg	36	1 600,00	57 600,00	7,20
Cherry- Retail market(80%)	Kg	110	6 400,00	704 000,00	88,00
MARKETING COSTS- CAPE TOWN MARKET	12,5%			7 200,00	4,50
MARKETING COSTS- RETAIL MARKET	0,0%			0,00	0,00
GROSS INCOME minus MARKETING COSTS				**754 400,00**	**90,70**
TOTAL ALLOCATABLE VARIABLE COSTS				**212 950,68**	**26,62**
DIRECTLY ALLOCATABLE VARIABLE COSTS				**200 802,27**	**25,10**
A) PRE-HARVEST COST					
FERTELISER				**17 306,10**	**1,10**
Nitrogen (N)	Ton	18 055,00	0,28	4 965,13	0,62
KCL	Ton	24 380,00	0,35	8 533,00	0,00
Lime Ammonium Nitrate (28)	Ton	13 599,90	0,28	3 807,97	0,48
INSECTICIDES				**52 989,74**	**6,62**
Chlorpyrifos 480 EC	L	160,08	7,00	1 120,56	0,14
Spinetoram 250 WG	kg	7 365,42	7,00	51 557,92	6,44
Lamda-cyhalothrin	L	161,38	1,40	225,93	0,03
Alpha-cypermethrin	L	161,00	0,53	85,33	0,01
HERBICIDES				**2 227,44**	**0,28**
Paraquat 200SL	L	105,17	8,00	841,34	0,11
Glyphosate	L	190,92	7,26	1 386,10	0,17
FUNGICIDES				**1 745,24**	**0,22**
Copper Oxychloride	Kg	167,64	8,75	1 466,81	0,18
Propiconazole 250 EC	L	397,76	0,70	278,43	0,03
POLLINATION				**16 600,00**	**2,08**
Beehives	Hive	830	20,00	16 600,00	2,08
CASUAL LABOUR				**7 304,85**	**0,91**
Casual Labour Pruning/Day	R/Manday	208,71	28,00	5 843,88	0,73
Casual Labour Thinning/Day	R/Manday	208,71	7,00	1 460,97	0,18
IRRIGATION & ELECTRICITY				**10 965,00**	**1,37**
Electricity cost	Ha	10 965,00	1,00	10 965,00	1,37
B) HARVEST COSTS				**18 783,90**	**2,35**
Casual Labour Harvesting/Day	R/Manday	208,71	46,00	9 600,66	1,20
Casual Labour Packaging/Day	R/Manday	208,71	44,00	9 183,24	1,15
PACKAGING MATERIAL				**72 880,00**	**9,11**
Box (2KG)	Each	7,9	800,00	6 320,00	0,79
Punnet (250G)	Each	2,6	25 600,00	66 560,00	8,32
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				**553 597,73**	**69,20**

INDIRECTLY ALLOCATABLE VARIABLE COSTS			**12 148,41**	**1,52**
C) PRE-HARVEST COST				
Fuel	L	19,64	2 484,69	0,31
Repairs & Maintenance			2 155,07	0,27
D) HARVEST COST				
Fuel	L	19,64	4 516,18	0,56
Repairs & Maintenance			2 992,47	0,37
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS			**541 449,32**	**67,68**
Interest on Working Capital			17 568,43	2,20
MARGIN ABOVE SPECIFIED COSTS			**523 880,89**	**65,49**

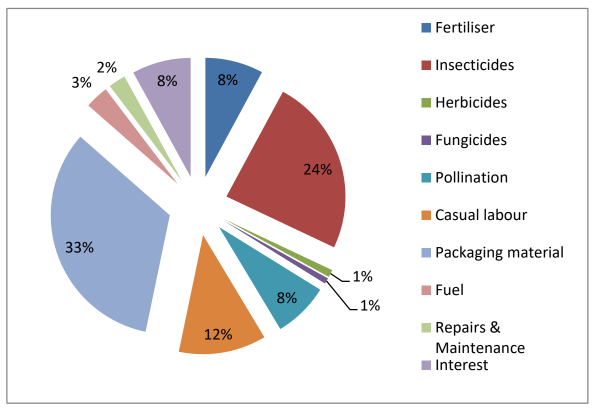
NOTES:

1. Interest Rate	8,25%
2. Growing period of Crop	12
3. Tree spcaing is 4.5m X 1.6m	

SENSITIVITY ANALYSIS

YIELD (Kg/ha)	PRICE (R/ Kg)				
YIELD CHANGE AT 10% INCREMENTS	LESS 10%	LESS 5%	ACTUAL	ADD 5%	ADD 10%
	R 85,68	**R 90,44**	**R 95,20**	**R 99,96**	**R 104,72**
6400,00	R 310 633	R 341 097	R 371 561	R 402 025	R 432 489
7200,00	R 379 177	R 413 449	R 447 721	R 481 993	R 516 265
8000,00	R 447 721	R 485 801	R 523 881	R 561 961	R 600 041
8800,00	R 516 265	R 558 153	R 600 041	R 641 929	R 683 817
9600,00	R 584 809	R 630 505	R 676 201	R 721 897	R 767 593
BREAKEVEN YIELD (Kg/Ha)	**2774**	**2628**	**2497**	**2378**	**2270**

Costs Of Production	R/Ha
Fertiliser	17 306,10
Insecticides	52 989,74
Herbicides	2 227,44
Fungicides	1 745,24
Pollination	16 600,00
Casual labour	26 088,75
Packaging material	72 880,00
Fuel	7000,87
Repairs & Maintenance	5147,54
Interest	17568,43
TOTAL	**219 554,11**



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