AGRICULTURAL ECONOMICS
Division: Production Economics
Tel: 021 808 5317
Private Bag X1, Elsenburg

ENTERPRISE BUDGET

Classification	Fruit	**Province**	Western Cape
Enterprise Budget Name	Plums- Yr 3	**District**	Cape Winelands
Land Size	1 ha	**Area**	Ceres/ Robertson
Date Developed	13 March 2019	**Date Updated**	07 November 2024
Developer	Sinovuyo Magqibelo	**Upater**	Sinovuyo Magqibelo
Soil Type	Sandy- Loam/Clay-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			**20,00**	**471 824,00**	**23 591,20**
Product Income					
Plum- Export market (60%)	Ton	19 720,00	12,00	236 640,00	11 832,00
Plum- Local market (40%)	Ton	29 398,00	8,00	235 184,00	11 759,20
MARKETING COSTS(Export)			0,03	5 916,00	295,80
MARKETING COSTS(Local)			0,13	29 398,00	1 469,90
GROSS INCOME minus MARKETING COSTS				**436 510,00**	**21 825,50**
TOTAL ALLOCATABLE VARIABLE COSTS				**109 684,37**	**5 484,22**
DIRECTLY ALLOCATABLE VARIABLE COSTS				**106 296,13**	**5 314,81**
A) PRE-HARVEST COST					
FERTILISER				**6 437,51**	**321,88**
Lime Ammonium Nitrate (28)	Ton	9 972,98	0,23	2 243,92	112,20
3:1:5 (38)	Ton	13 895,45	0,20	2 779,09	138,95
Turbo-31 10:1:5	Ton	9 430,00	0,15	1 414,50	70,73
INSECTICIDES				**7 569,53**	**378,48**
emamectin benzoate	L	424,98	1,60	679,97	34,00
Indoxacarb	L	1 722,39	4,00	6 889,56	344,48
HERBICIDES				**3 933,69**	**196,68**
Glyphosate	L	157,35	25,00	3 933,69	196,68
FUNGICIDES				**5 380,35**	**269,02**
Mancozeb 800WP	Kg	111,02	24,00	2 664,46	133,22
Propiconazole 250 EC	L	573,00	2,00	1 146,00	57,30
Thiram	Kg	174,43	9,00	1 569,89	78,49
CASUAL LABOUR				**16 134,30**	**806,72**
Casual Labour Fertiliser Spread/Day	R/Manday	248,22	10,00	2 482,20	124,11
Casual Labour Pruning/Day	R/Manday	248,22	25,00	6 205,50	310,28
Casual Labour Thinning/Day	R/Manday	248,22	30,00	7 446,60	372,33
IRRIGATION & ELECTRICITY				**3 416,09**	**170,80**
Electricity[1]	kWh	2,34	1 458,00	3 416,09	170,80
B) HARVEST COST					
CASUAL LABOUR				**25 566,66**	**1 278,33**
Casual Labour Pickers	R/Manday	248,22	53,00	13 155,66	657,78
Casual Labour Sorters	R/Manday	248,22	50,00	12 411,00	620,55
PACKAGING MATERIAL				**37 858,00**	**1 892,90**
Box (10KG) Plums	Each	18,93	2 000,00	37 858,00	1 892,90
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				**330 213,87**	**16 510,69**

INDIRECTLY ALLOCATABLE VARIABLE COSTS			**3 388,24**	**169,41**
C) PRE-HARVEST COST				
Fuel	L	19,99	1 075,41	53,77
Repairs & Maintenance			737,61	36,88
D) HARVEST COST				
Fuel	L	19,99	979,89	48,99
Repairs & Maintenance			595,33	29,77
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS			**326 825,63**	**16 341,28**
Interest on Working Capital			12 613,70	630,69
MARGIN ABOVE SPECIFIED COSTS			**314 211,93**	**15 710,60**

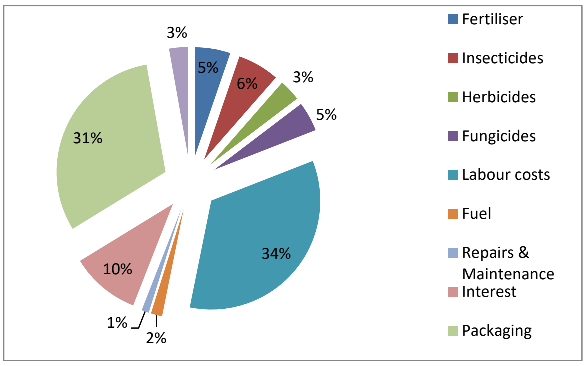
NOTES:

1. Interest Rate	11,50%
2. Growing period of Crop (Months)	12

SENSITIVITY ANALYSIS

YIELD (Tons/ha)	PRICE (R/ Ton)				
YIELD CHANGE AT 10% INCREMENTS	LESS 10%	LESS 5%	ACTUAL	ADD 5%	ADD 10%
	R 21 232,08	**R 22 411,64**	**R 23 591,20**	**R 24 770,76**	**R 25 950,32**
16,00	R 211 499	R 230 372	R 249 245	R 268 118	R 286 991
18,00	R 253 963	R 275 195	R 296 428	R 317 660	R 338 892
20,00	R 296 428	R 320 019	R 314 212	R 367 201	R 390 792
22,00	R 338 892	R 364 842	R 403 406	R 416 743	R 442 693
24,00	R 381 356	R 409 665	R 437 975	R 466 284	R 494 594
BREAKEVEN YIELD (Tons/Ha)	**6,04**	**5,72**	**5,43**	**5,18**	**4,94**

Costs Of Production	R/Ha
Fertiliser	6 437,51
Insecticides	7 569,53
Herbicides	3 933,69
Fungicides	5 380,35
Labour costs	41 700,96
Fuel	2 055,29
Repairs & Maintenance	1 332,94
Interest	12 613,70
Packaging	37 858,00
Electricity cost	3 416,09



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