

ENTERPRISE BUDGET					
Classification	Nuts	Province	Western Cape		
Enterprise Budget Name	Macadamia nuts (Y4) (High density)	District	Garden Route		
Land Size	1 Hectare	Area	George/Groot-Brak		
Date Developed	03 September 2024	Date Updated	22 September 2025		
Developer	Blanche Williams/Nkhanedzeni Nedzungani	Updater	Blanche Williams		
Soil Type	Sandy-clay				
Use this enterprise budget as an aid in the planning process.					
Unit		Price Per Unit	Quantity	Per Ha	Value Per Yield Unit
GROSS INCOME			0,26	13 000,00	50 000,00
Product Income					
Macadamia nuts	Ton	50 000,00	0,26	13 000,00	50 000,00
MARKETING COSTS			0,00	0,00	0,00
GROSS INCOME minus MARKETING COSTS				13 000,00	50 000,00
TOTAL ALLOCATABLE VARIABLE COSTS				27 621,73	106 237,43
DIRECTLY ALLOCATABLE VARIABLE COSTS				24 875,49	95 674,96
A) PRE-HARVEST COST					
FERTILISER				5 891,98	22 661,48
Potassium Sulphate	Ton	19 696,05	0,15	2 954,41	11 363,11
Ammonium Sulphate	Ton	7 466,72	0,20	1 493,34	5 743,63
Lime Ammonium Nitrate (28)	Ton	9 252,21	0,15	1 387,83	5 337,81
Microelements	L	188,00	0,30	56,40	216,93
HERBICIDES				2 156,94	8 295,92
Glufosinate Ammonium	L	119,83	18,00	2 156,94	8 295,92
PESTICIDES				6 602,23	25 393,18
Methamidophos	L	316,59	0,20	63,32	243,53
Bioneem	L	210,49	2,50	526,23	2 023,95
emamectin benzoate	L	371,35	1,00	371,35	1 428,28
Methoxyfenozide	L	370,57	2,45	907,89	3 491,90
Trivia 500	KG	1 281,31	0,50	640,65	2 464,05
Alpha-cypermethrin	L	1 020,54	2,00	2 041,09	7 850,34
Spinetoram 250 WG	Kg	9 372,85	0,20	1 874,57	7 209,88
Bifenthrin(pyrethroid) 100g/L	L	354,24	0,50	177,12	681,24
WATER COSTS				5 000,00	19 230,77
Water expenses	Ha	5 000,00	1,00	5 000,00	19 230,77
ELECTRICITY COSTS				3 151,46	12 121,00
Electricity¹	kWh	2,99	1 054,00	3 151,46	0,00
CASUAL LABOUR				1 295,55	4 982,88
Casual Labour Weeding/Day	R/Manday	259,11	5,00	1 295,55	4 982,88
B) HARVEST COSTS				777,33	2 989,73
Casual Labour Harvesting/Day	R/Manday	259,11	3,00	777,33	2 989,73
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				-11 875,49	-45 674,96

INDIRECTLY ALLOCATABLE VARIABLE COSTS			2 746,24	10 562,47
C) PRE-HARVEST COST				
Fuel	L	18,78	467,90	1 799,60
Repairs & Maintenance			158,44	609,37
D) HARVEST COSTS				
Fuel	L	18,78	1 045,15	4 019,82
Repairs & Maintenance			1 074,76	4 133,68
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS			-14 621,73	-56 237,43
Interest on Working Capital			2 831,23	10 889,34
MARGIN ABOVE SPECIFIED COSTS			-17 452,96	-67 126,77

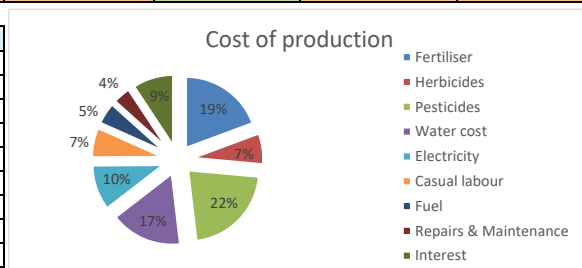
NOTES:

Interest Rate	10,25%
Growing period of Crop (Months)	12
Inter row spacing (m)	6,83
Intra-row spacing (m)	3,91
Tree replacement %	2,5%

Note: The price per ton is final price received by producers after the cost of delivery, marketing and facility, rand operation, drying and unsound kernel surcharge were deducted.

SENSITIVITY ANALYSIS					
YIELD (Ton/ha)	PRICE (R/Ton)				
YIELD CHANGE AT 10% INCREMENTS	LESS 10%	LESS 5%	ACTUAL	ADD 5%	ADD 10%
	R 45 000	R 47 500	R 50 000	R 52 500	R 55 000
0,21	-R 21 093	-R 20 573	-R 20 053	-R 19 533	-R 19 013
0,23	-R 19 923	-R 19 338	-R 18 753	-R 18 168	-R 17 583
0,26	-R 18 753	-R 18 103	-R 17 453	-R 16 803	-R 16 153
0,29	-R 17 583	-R 16 868	-R 16 153	-R 15 438	-R 14 723
0,31	-R 16 413	-R 15 633	-R 14 853	-R 14 073	-R 13 293
BREAKEVEN YIELD (Ton/Ha)	0,68	0,64	0,61	0,58	0,55

Costs Of Production	R/Ha
Fertiliser	5 891,98
Herbicides	2 156,94
Pesticides	6 602,23
Water cost	5 000,00
Electricity	3 151,46
Casual labour	2 072,88
Fuel	1 513,05
Repairs & Maintenance	1 233,19
Interest	2 831,23



Disclaimer

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