

ENTERPRISE BUDGET

Classification	Vegetable	Province	Western Cape
Enterprise Budget Name	Watermelon (open field)	District	North West Coast
Land Size	1 Hectare	Area	Matzikama
Date Developed	27 November 2018	Latest update	03 June 2021
Developer	Mzwanele Lingani	Updater	Nontembeko Mbusi
Soil Type	Sandy		

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			56,70	60 008,45	1 058,35
Product Income					
Fruit- Watermelon ²	Ton	1 058,35	56,70	60 008,45	1 058,35
MARKETING COSTS Market	0,13		7,09	7 501,06	132,29
GROSS INCOME minus MARKETING COSTS				52 507,39	926,06
TOTAL ALLOCATABLE VARIABLE COSTS				96 220,91	1 697,02
DIRECTLY ALLOCATABLE VARIABLE COSTS				88 640,01	1 563,32
A) PRE-HARVEST COST					
PLANTING MATERIAL				7 546,88	133,10
Watermelon	Seedlings	0,81	9 375,00	7 546,88	133,10
FERTILISER				9 593,31	169,19
Ammonium Sulphate	Ton	6 734,29	0,15	1 010,14	17,82
Calcium Nitrate	Ton	4 600,00	0,15	690,00	12,17
Potassium Nitrate	Ton	3 082,00	0,15	462,30	8,15
Lime Ammonium Nitrate (28)	Ton	6 461,62	1,15	7 430,86	131,06
HERBICIDES				377,26	6,65
Paraquat	L	125,75	3,00	377,26	6,65
PESTICIDES/INSECTICIDES				5 417,93	95,55
Cadusafos	L	174,56	20,00	3 491,17	61,57
Lamda-cyhalothrin	L	121,21	3,60	436,36	7,70
Dimethoate 400 EC	L	170,32	3,60	613,13	10,81
Spinosad	L	224,94	3,90	877,27	15,47
FUNGICIDES				891,28	15,72
Mancozeb / Metalaxyl	KG	149,16	4,00	596,62	10,52
Penconazole	L	654,81	0,45	294,66	5,20
CASUAL LABOUR				3 123,36	55,09
Casual labour Drippers/Hour	R/Manhour	21,69	18,00	390,42	6,89
Casual Labour Planting/Hour	R/Manhour	21,69	36,00	780,84	13,77
Casual Labour Weeding/Hour	R/Manhour	21,69	90,00	1 952,10	34,43
IRRIGATION & ELECRICITY				0,00	0,00
B) HARVEST COSTS				21 690,00	382,54
Casual Labour Harvesting/Hour	R/Manhour	21,69	1 000,00	21 690,00	382,54
CONTRACT WORK				40 000,00	705,47
Transport to market	Trip	10 000,00	4,00	40 000,00	705,47
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				-36 132,62	-637,26

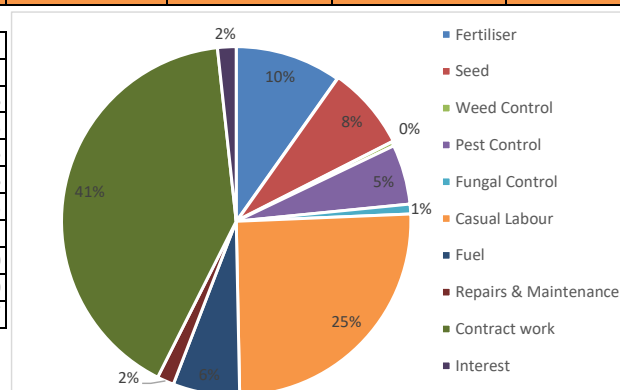
INDIRECTLY ALLOCATABLE VARIABLE COSTS			7 580,91	133,70
C) PRE-HARVEST COST				
Fuel	L	14,58	1 019,01	17,97
Repairs & Maintenance			459,14	8,10
D) HARVEST COSTS				
Fuel	L	14,58	5 028,51	88,69
Repairs & Maintenance			1 074,26	18,95
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS			-43 713,53	-770,96
Interest on Working Capital			1 683,87	29,70
MARGIN ABOVE SPECIFIED COSTS			-45 397,39	-800,66

NOTES:

Interest Rate 7,00%
 Growing period of Crop (Months) 3
 Watermelon²- refers to the normal practice of producing watermelon.

SENSITIVITY ANALYSIS					
YIELD (Ton/Ha)	PRICE (R/Ton)				
YIELD CHANGE AT 10% INCREMENTS	LESS 10%	LESS 5%	ACTUAL	ADD 5%	ADD 10%
	R 952,52	R 1 005,43	R 1 058,35	R 1 111,27	R 1 164,19
45	-R 62 200	-R 59 799	-R 57 399	-R 54 999	-R 52 598
51	-R 56 799	-R 54 099	-R 51 398	-R 48 698	-R 45 997
57	-R 51 398	-R 48 398	-R 45 397	-R 42 397	-R 39 397
62	-R 45 997	-R 42 697	-R 39 397	-R 36 096	-R 32 796
68	-R 40 597	-R 36 996	-R 33 396	-R 29 795	-R 26 195
BREAKEVEN YIELD (Ton/Ha)	111	105	100	95	91

Costs Of Production	R/Ha
Fertiliser	9 593,31
Seed	7 546,88
Weed Control	377,26
Pest Control	5 417,93
Fungal Control	891,28
Casual Labour	24 813,36
Fuel	6 047,51
Repairs & Maintenance	1 533,40
Contract work	40 000,00
Interest	1 683,87



Disclaimer

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