



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	3 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	12,5%		7,09	7 501,06	132,29
GROSS INCOME minus MARKETING COSTS				52 507,39	926,06
TOTAL ALLOCATABLE VARIABLE COSTS				180 248,76	3 178,99
DIRECTLY ALLOCATABLE VARIABLE COSTS				173 057,75	3 052,16
A) PRE-HARVEST COST					
PLANTING MATERIAL				7 546,88	133,10
Watermelon	Seedlings	0,81	9 375,00	7 546,88	133,10
FERTILISER				7 655,05	135,01
Ammonium Sulphate	Ton	6 734,29	0,15	1 010,14	17,82
Calcium Nitrate	Ton	12 051,08	0,15	1 807,66	31,88
Potassium Nitrate	Ton	16 094,25	0,15	2 414,14	42,58
Lime Ammonium Nitrate (28)	Ton	6 461,62	0,38	2 423,11	42,74
HERBICIDES				352,04	6,21
Paraquat	L	117,35	3,00	352,04	6,21
PESTICIDES/INSECTICIDES				5 282,48	93,17
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	190,21	3,90	741,82	13,08
FUNGICIDES				879,07	15,50
Mancozeb / Metalaxyl	KG	149,16	4,00	596,62	10,52
Penconazole	L	627,67	0,45	282,45	4,98
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 & ELECRCITY				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				-120 550,36	-2 126,11

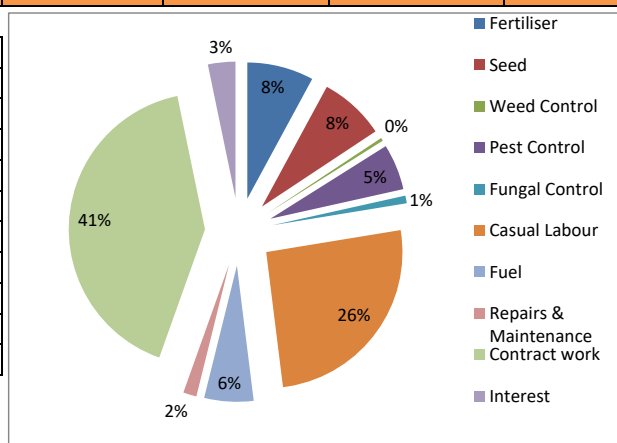
INDIRECTLY ALLOCATABLE VARIABLE COSTS			7 191,01	126,83
C) PRE-HARVEST COST				
Fuel	L	13,64	953,31	16,81
Repairs & Maintenance			459,14	8,10
D) HARVEST COSTS				
Fuel	L	13,64	4704,31	82,97
Repairs & Maintenance			1074,26	18,95
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS			-127 741,37	-2 252,93
Interest on Working Capital			3 154,35	55,63
MARGIN ABOVE SPECIFIED COSTS			-130 895,72	-2 308,57

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 147 698	-R 145 298	-R 142 897	-R 140 497	-R 138 097
51	-R 142 297	-R 139 597	-R 136 897	-R 134 196	-R 131 496
57	-R 136 897	-R 133 896	-R 130 896	-R 127 895	-R 124 895
62	-R 131 496	-R 128 195	-R 124 895	-R 121 594	-R 118 294
68	-R 126 095	-R 122 495	-R 118 894	-R 115 294	-R 111 693
BREAKEVEN YIELD (Ton/Ha)	200	190	180	172	164

Costs Of Production	R/Ha
Fertiliser	7 655,05
Seed	7 546,88
Weed Control	352,04
Pest Control	5 282,48
Fungal Control	879,07
Casual Labour	24 813,36
Fuel	5 657,62
Repairs & Maintenance	1 533,40
Contract work	40 000,00
Interest	3 154,35



Disclaimer

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