

**ENTERPRISE BUDGET**

<b>Classification</b>	Vegetable	<b>Province</b>	Western Cape
<b>Enterprise Budget Name</b>	Watermelon (With Vineyard Trees)	<b>District</b>	North West Coast
<b>Land Size</b>	1 Hectare	<b>Area</b>	Matzikama
<b>Date Developed</b>	27 November 2018	<b>Latest update</b>	28 February 2023
<b>Developer</b>	Mzwanele Lingani/Bertie Visser	<b>Updater</b>	Nontembeko Mbusi
<b>Soil Type</b>	Sandy		

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

Description	Unit	Price Per Unit	Quantity	Per Ha	Value Per Yield Unit
<b>GROSS INCOME</b>			<b>36,00</b>	<b>81 558,72</b>	<b>2 265,52</b>
<b>Product Income</b>					
Fruit- Watermelon <sup>1</sup>	Ton	2 265,52	36,00	81 558,72	2 265,52
<b>MARKETING COSTS Market</b>	0,13		4,50	10 194,84	283,19
<b>GROSS INCOME minus MARKETING COSTS</b>				<b>71 363,88</b>	<b>1 982,33</b>
<b>TOTAL ALLOCATABLE VARIABLE COSTS</b>				<b>97 384,89</b>	<b>2 705,14</b>
<b>DIRECTLY ALLOCATABLE VARIABLE COSTS</b>				<b>90 476,31</b>	<b>2 513,23</b>
<b>A) PRE-HARVEST COST</b>					
<b>PLANTING MATERIAL</b>				<b>9 973,32</b>	<b>277,04</b>
Watermelon	Seedlings	1,67	5 981,00	9 973,32	277,04
<b>FERTILISER</b>				<b>33 979,53</b>	<b>943,88</b>
Ammonium Sulphate	Ton	10 264,67	0,30	3 079,40	85,54
Calcium Nitrate	Ton	15 831,36	0,25	3 957,84	109,94
Potassium Nitrate	Ton	29 665,86	0,61	18 007,18	500,20
Mono Ammonium Phosphate	Ton	43 585,92	0,21	8 935,11	248,20
<b>HERBICIDES</b>				<b>3 983,60</b>	<b>110,66</b>
Paraquat	L	99,59	40,00	3 983,60	110,66
<b>PESTICIDES/INSECTICIDES</b>				<b>3 994,71</b>	<b>110,96</b>
Abamectin	L	152,15	1,80	273,86	7,61
Cypermethrin 500 EC	L	184,58	4,50	830,59	23,07
Indoxacarb	L	1 991,80	1,13	2 240,78	62,24
acetamiprid	KG	248,52	1,50	372,77	10,35
Spinosad	L	204,98	1,35	276,72	7,69
<b>FUNGICIDES</b>				<b>4 369,99</b>	<b>121,39</b>
Boscalid	Kg	2 645,00	1,50	3 967,50	110,21
Penconazole	L	596,28	0,68	402,49	11,18
<b>CASUAL LABOUR</b>				<b>7 371,80</b>	<b>204,77</b>
Casual Labour Planting/Hour	R/Manhour	25,42	290,00	7 371,80	204,77
<b>IRRIGATION &amp; ELECRCITY</b>				<b>3 600,00</b>	<b>100,00</b>
		900,00	4,00	3 600,00	100,00
<b>B) HARVEST COSTS</b>				<b>203,36</b>	<b>5,65</b>
Casual Labour Planting/Hour	R/Manhour	25,42	8,00	203,36	5,65
<b>CONTRACT WORK</b>				<b>23 000,00</b>	<b>638,89</b>
Transport to market	Trip	11 500,00	2,00	23 000,00	638,89
<b>GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS</b>				<b>-19 112,43</b>	<b>-530,90</b>

<b>INDIRECTLY ALLOCATABLE VARIABLE COSTS</b>			<b>6 908,58</b>	<b>191,91</b>
<b>C) PRE-HARVEST COST</b>				
Fuel	L	20,88	2 091,69	58,10
Repairs & Maintenance			772,74	21,47
<b>D) HARVEST COSTS</b>				
Fuel	L	20,88	3 100,03	86,11
Repairs & Maintenance			944,12	26,23
<b>GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS</b>			<b>-26 021,01</b>	<b>-722,81</b>
Interest on Working Capital			2 617,22	72,70
<b>MARGIN ABOVE SPECIFIED COSTS</b>			<b>-28 638,23</b>	<b>-795,51</b>

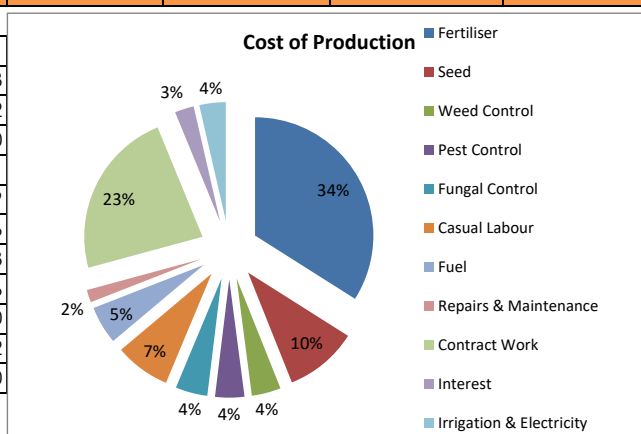
**NOTES:**

Interest Rate 10,75%  
 Growing period of Crop (Months) 3  
 Watermelon<sup>1</sup>- refers to the practice of planting watermelon in between young vine trees.

**SENSITIVITY ANALYSIS**

YIELD (Ton/Ha)	PRICE (R/Ton)				
	LESS 10%	LESS 5%	ACTUAL	ADD 5%	ADD 10%
<b>YIELD CHANGE AT 10% INCREMENTS</b>	<b>R 2 038,97</b>	<b>R 2 152,24</b>	<b>R 2 265,52</b>	<b>R 2 378,80</b>	<b>R 2 492,07</b>
<b>29</b>	-R 51 475	-R 48 212	-R 44 950	-R 41 688	-R 38 425
<b>32</b>	-R 44 134	-R 40 464	-R 36 794	-R 33 124	-R 29 454
<b>36</b>	-R 36 794	-R 32 716	-R 28 638	-R 24 560	-R 20 482
<b>40</b>	-R 29 454	-R 24 968	-R 20 482	-R 15 997	-R 11 511
<b>43</b>	-R 22 114	-R 17 220	-R 12 326	-R 7 433	-R 2 539
<b>BREAKEVEN YIELD (Ton/Ha)</b>	<b>54</b>	<b>51</b>	<b>49</b>	<b>46</b>	<b>44</b>

Costs Of Production	R/Ha
Fertiliser	33 979,53
Seed	9 973,32
Weed Control	3 983,60
Pest Control	3 994,71
Fungal Control	4 369,99
Casual Labour	7 575,16
Fuel	5 191,73
Repairs & Maintenance	1 716,86
Contract Work	23 000,00
Interest	2 617,22
Irrigation & Electricity	3 600,00



**Disclaimer**

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