

**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>	03 June 2021
<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>38 100,60</b>	<b>1 058,35</b>
<b>Product Income</b>					
Fruit- Watermelon <sup>1</sup>	Ton	1 058,35	36,00	38 100,60	1 058,35
<b>MARKETING COSTS Market</b>	0,13		4,50	4 762,58	132,29
<b>GROSS INCOME minus MARKETING COSTS</b>				<b>33 338,03</b>	<b>926,06</b>
<b>TOTAL ALLOCATABLE VARIABLE COSTS</b>				<b>58 544,69</b>	<b>1 626,24</b>
<b>DIRECTLY ALLOCATABLE VARIABLE COSTS</b>				<b>53 201,99</b>	<b>1 477,83</b>
<b>A) PRE-HARVEST COST</b>					
<b>PLANTING MATERIAL</b>				<b>4 814,71</b>	<b>133,74</b>
Watermelon	Seedlings	0,81	5 981,00	4 814,71	133,74
<b>FERTILISER</b>				<b>6 952,79</b>	<b>193,13</b>
Ammonium Sulphate	Ton	6 734,29	0,30	2 020,29	56,12
Calcium Nitrate	Ton	4 600,00	0,25	1 150,00	31,94
Potassium Nitrate	Ton	3 082,00	0,61	1 870,77	51,97
Mono Ammonium Phosphate	Ton	9 325,52	0,21	1 911,73	53,10
<b>HERBICIDES</b>				<b>5 030,10</b>	<b>139,73</b>
Paraquat	L	125,75	40,00	5 030,10	139,73
<b>PESTICIDES/INSECTICIDES</b>				<b>2 839,93</b>	<b>78,89</b>
Abamectin	L	147,89	1,80	266,20	7,39
Cypermethrin 500 EC	L	149,04	4,50	670,68	18,63
Indoxacarb	L	1 022,24	1,13	1 150,01	31,94
acetamiprid	KG	299,58	1,50	449,36	12,48
Spinosad	L	224,94	1,35	303,67	8,44
<b>FUNGICIDES</b>				<b>4 700,85</b>	<b>130,58</b>
Boscalid	Kg	2 839,24	1,50	4 258,85	118,30
Penconazole	L	654,81	0,68	442,00	12,28
<b>CASUAL LABOUR</b>				<b>6 290,10</b>	<b>174,73</b>
Casual Labour Planting/Hour	R/Manhour	21,69	290,00	6 290,10	174,73
<b>IRRIGATION &amp; ELECRCITY</b>				<b>2 400,00</b>	<b>66,67</b>
		600,00	4,00	2 400,00	66,67
<b>B) HARVEST COSTS</b>				<b>173,52</b>	<b>4,82</b>
Casual Labour Planting/Hour	R/Manhour	21,69	8,00	173,52	4,82
<b>CONTRACT WORK</b>				<b>20 000,00</b>	<b>555,56</b>
Transport to market	Trip	10 000,00	2,00	20 000,00	555,56
<b>GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS</b>				<b>-19 863,97</b>	<b>-551,78</b>

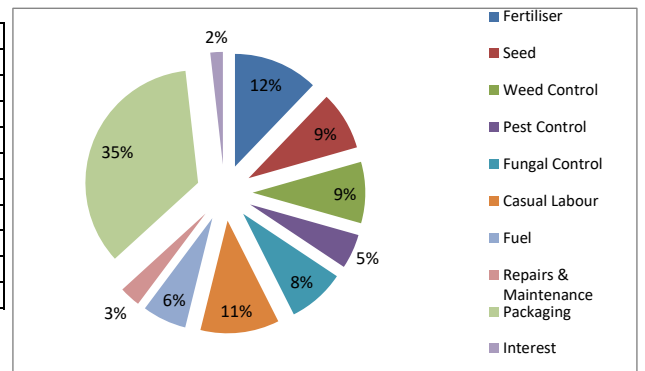
<b>INDIRECTLY ALLOCATABLE VARIABLE COSTS</b>			<b>5 342,69</b>	<b>148,41</b>
<b>C) PRE-HARVEST COST</b>				
Fuel	L	14,58	1 460,81	40,58
Repairs & Maintenance			772,74	21,47
<b>D) HARVEST COSTS</b>				
Fuel	L	14,58	2 165,02	60,14
Repairs & Maintenance			944,12	26,23
<b>GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS</b>			<b>-25 206,66</b>	<b>-700,19</b>
Interest on Working Capital			1 024,53	28,46
<b>MARGIN ABOVE SPECIFIED COSTS</b>			<b>-26 231,19</b>	<b>-728,64</b>

**NOTES:**

Interest Rate 7,00%  
 Growing period of Crop (Months) 3  
 Watermelon<sup>1</sup>- refers to the practice of planting watermelon in between young vine trees.

<b>SENSITIVITY ANALYSIS</b>					
<b>YIELD (Ton/Ha)</b>	<b>PRICE (R/Ton)</b>				
<b>YIELD CHANGE AT 10% INCREMENTS</b>	<b>LESS 10%</b>	<b>LESS 5%</b>	<b>ACTUAL</b>	<b>ADD 5%</b>	<b>ADD 10%</b>
	<b>R 952,52</b>	<b>R 1 005,43</b>	<b>R 1 058,35</b>	<b>R 1 111,27</b>	<b>R 1 164,19</b>
<b>29</b>	-R 36 899	-R 35 375	-R 33 851	-R 32 327	-R 30 803
<b>32</b>	-R 33 470	-R 31 756	-R 30 041	-R 28 327	-R 26 612
<b>36</b>	-R 30 041	-R 28 136	-R 26 231	-R 24 326	-R 22 421
<b>40</b>	-R 26 612	-R 24 517	-R 22 421	-R 20 326	-R 18 230
<b>43</b>	-R 23 183	-R 20 897	-R 18 611	-R 16 325	-R 14 039
<b>BREAKEVEN YIELD (Ton/Ha)</b>	<b>68</b>	<b>64</b>	<b>61</b>	<b>58</b>	<b>55</b>

<b>Costs Of Production</b>	<b>R/Ha</b>
Fertiliser	6 952,79
Seed	4 814,71
Weed Control	5 030,10
Pest Control	2 839,93
Fungal Control	4 700,85
Casual Labour	6 463,62
Fuel	3 625,84
Repairs & Maintenance	1 716,86
Packaging	20 000,00
Interest	1 024,53



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