



ENTERPRISE BUDGET			
Classification	Vegetable	Province	Western Cape
Enterprise Budget Name	Green beans	District	Cape Winelands
Land Size	1 Hectare	Area	Stellenbosch
Date Developed	09 July 2018	Latest update	28 February 2020
Soil Type	Sandy-Loam	Budget ID	MzwaneleL/AyandaS/BlancheB

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

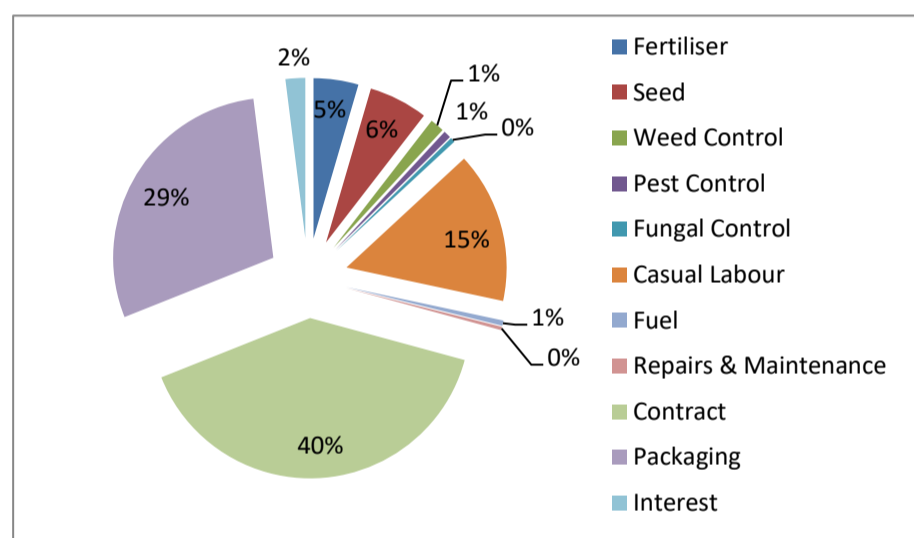
Description	Unit	Price Per Unit	Quantity	Per Ha	Value Per Yield Unit
GROSS INCOME			14 400,00	219 600,00	15,25
Product Income					
Green Beans Market	KG	15,25	14400,00	219 600,00	15,25
MARKETING COSTS Market	12,5%		1 800,00	27 450,00	1,91
GROSS INCOME minus MARKETING COSTS				192 150,00	13,34
TOTAL ALLOCATABLE VARIABLE COSTS				130 911,14	9,09
DIRECTLY ALLOCATABLE VARIABLE COSTS				129 753,10	9,01
A) PRE-HARVEST COST					
PLANTING MATERIAL					
Green Beans (Star 2005)	Kg	182,22	43,60	7 944,68	0,55
FERTILISER					
1:0:1 (36)	Ton	6 546,72	0,28	1 852,72	0,13
Lime Ammonium Nitrate (28)	Ton	5 790,25	0,35	2 026,59	0,14
2:3:2 (22)+ Zinc	Ton	6 695,76	0,23	1 560,11	0,11
Single Super Phosphate 10.5%	Ton	6 049,92	0,10	604,99	0,04
HERBICIDES					
Glyphosate	L	75,93	25,00	1 898,36	0,13
PESTICIDES/INSECTICIDES					
Beta-cyfluthrin	L	781,40	0,64	500,10	0,03
Lamda-cyhalothrin	L	105,60	0,11	11,62	0,00
Abamectin	L	147,89	1,50	221,84	0,02
Spinosad	L	171,01	1,50	256,51	0,02
FUNGICIDES					
Mancozeb / Metalaxyl	KG	84,87	1,29	109,48	0,01
Hexaconazole	L	446,21	1,20	535,45	0,04
CASUAL LABOUR					
Casual Labour Planting/Hour	R/Manhour	18,68	73,00	1 363,64	0,09
Casual Labour Spraying/Hour	R/Manhour	18,68	30,30	566,00	0,04
Casual Labour Soil Prep/Hour	Manhour	18,68	149,33	2 789,48	0,19
Casual Labour Fertiliser Spread/Hour	R/Manhour	18,68	26,67	498,20	0,03
IRRIGATION & ELECRCITY				0,00	0,00
B) HARVEST COSTS					
Casual Labour Harvesting/Hour	R/Manhour	18,68	810,00	15 130,80	1,05
PACKAGING MATERIAL					
Box (3.5KG)	Each	9,43	4 114,00	38 795,02	2,69
CONTRACT					
Bakkie Hire	Trip	775	68,50	53 087,50	3,69
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				62 396,90	4,33

INDIRECTLY ALLOCATABLE VARIABLE COSTS				1 158,04	0,08
C) PRE-HARVEST COST					
Fuel	L	12,61		702,78	0,05
Repairs & Maintenance				455,26	0,03
D) HARVEST COSTS					
Fuel	L	12,61		0,00	0,00
Repairs & Maintenance				0,00	0,00
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS				61 238,86	4,25
Interest on Working Capital				2 659,13	0,18
MARGIN ABOVE SPECIFIED COSTS				58 579,73	4,07

NOTES:	
Interest Rate	9,75%
Growing period of Crop (Months)	2,5

SENSITIVITY ANALYSIS					
YIELD (KG/ha)	PRICE (R/KG)				
YIELD CHANGE AT 10% INCREMENTS	LESS 10%	LESS 5%	ACTUAL	ADD 5%	ADD 10%
	R 13,73	R 14,49	R 15,25	R 16,01	R 16,78
11 520	-R 2 908	R 5 876	R 14 660	R 23 444	R 32 228
12 960	R 16 856	R 26 738	R 36 620	R 46 502	R 56 384
14 400	R 36 620	R 47 600	R 58 580	R 69 560	R 80 540
15 840	R 56 384	R 68 462	R 80 540	R 92 618	R 104 696
17 280	R 76 148	R 89 324	R 102 500	R 115 676	R 128 852
BREAKEVEN YIELD (bunches/Ha)	11 732	11 114	10 559	10 056	9 599

Costs Of Production	R/Ha
Fertiliser	6 044,41
Seed	7 944,68
Weed Control	1 898,36
Pest Control	990,06
Fungal Control	644,94
Casual Labour	20 348,12
Fuel	702,78
Repairs & Maintenance	455,26
Contract	53 087,50
Packaging	38 795,02
Interest	2 659,13



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