

ENTERPRISE BUDGET

Classification	<i>Crocus sativus</i>	Province	South Africa
Enterprise Budget Name	Saffron- Year 1	District	South Africa
Land Size	1 Hectare	Area	Calvinia/ Williston/Touwsriver
Date Developed	31 May 2022	Latest update	14 June 2023
Developer	Lingani, M/Mtshiselwa, Z	Updater	Mtshiselwa Z
Soil Type	Sandy Loam		

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

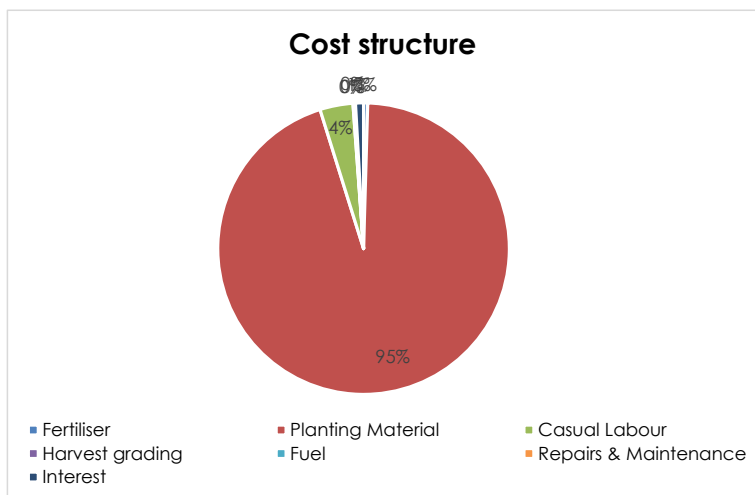
Description	Unit	Price Per Unit	Quantity	Per Ha	Value Per Yield Unit
GROSS INCOME			1 827,27	271 897,73	148,80
Product Income					
Saffron export (95%)	G	154,00	1 735,91	267 329,60	146,30
Saffron local (5%)	G	50,00	91,36	4 568,13	2,50
MARKETING COSTS Fresh Market	0,0%		0,00	0,00	0,00
GROSS INCOME minus MARKETING COSTS				271 897,73	148,80
TOTAL ALLOCATABLE VARIABLE COSTS				2 056 270,59	1 125,32
DIRECTLY ALLOCATABLE VARIABLE COSTS				2 052 198,22	1 123,10
A) PRE-HARVEST COST					
PLANTING MATERIAL				1 960 224,45	1 072,76
Saffron corms	Corm	3,45	568 181,00	1 960 224,45	1 072,76
FERTILISER				2 254,00	0,33
Flamma	L	149,50	4,00	598,00	0,33
Flower Power	L	161,00	6,00	966,00	0,53
K-Phloem	L	115,00	6,00	690,00	0,38
HERBICIDES				0,00	0,00
PESTICIDES/INSECTICIDES				0,00	0,00
FUNGICIDES				0,00	0,00
CASUAL LABOUR				51 475,50	28,17
Casual Labour Planting/Hour	R/Manhour	25,42	2 025,00	51 475,50	28,17
B) HARVEST COSTS				22 149,97	12,12
Casual Labour Harvesting/Hour	R/Manhour	25,42	871,36	22 149,97	12,12
GRADING & TESTING				2 000,00	1,09
Harvest grading	R/Ha	2 000,00	1,00	2 000,00	1,09
PACKAGING MATERIAL				94,30	0,00
Glass Jar	Jar	23,575	4,00	94,30	0,00
ELECTRICITY COST				14 000,00	0,00
Electricity	R/Month	2 000,00	7,00	14 000,00	0,00
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				-1 780 300,50	-974,30

INDIRECTLY ALLOCATABLE VARIABLE COSTS			4 072,36	2,23
C) PRE-HARVEST COST			356,03	0,19
Fuel	L	20,11	249,88	0,14
Repairs & Maintenance			106,15	0,06
D) HARVEST COSTS			3 716,34	2,03
Fuel	L	20,11	1 774,32	0,97
Repairs & Maintenance			1 942,01	1,06
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS			-1 784 372,86	-976,52
Interest on Working Capital			26 174,61	14,32
MARGIN ABOVE SPECIFIED COSTS			-1 810 547,47	-990,85

NOTES:	
Interest Rate	11,75%
Growing period of Crop (Month)	1,3
Plants spacing	15 cm between rows & 11.1 cm between plants
Plant mortality	2%

SENSITIVITY ANALYSIS					
YIELD (G/ha)	PRICE (R/G)				
YIELD CHANGE AT 10% INCREMENTS	LESS 10%	LESS 5%	ACTUAL	ADD 5%	ADD 10%
	R 133,92	R 141,36	R 148,80	R 156,24	R 163,68
1 461,82	-1 886 679	-1 875 803	-1 864 927	-1 854 051	-1 843 175
1 644,54	-1 862 208	-1 849 973	-1 837 737	-1 825 502	-1 813 266
1 827,27	-1 837 737	-1 824 142	-1 810 547	-1 796 953	-1 783 358
2 010,00	-1 813 266	-1 798 312	-1 783 358	-1 768 403	-1 753 449
2 192,72	-1 788 796	-1 772 482	-1 756 168	-1 739 854	-1 723 540
BREAKEVEN YIELD (KG/Ha)	15 549,91	14 731,50	13 994,92	13 328,50	12 722,66

Costs Of Production	R/Ha
Fertiliser	2 254,00
Planting Material	1 960 224,45
Casual Labour	73 625,47
Harvest grading	2 000,00
Fuel	2 024,20
Repairs & Maintenance	2 048,16
Interest	26 174,61



Disclaimer

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