AGRICULTURAL ECONOMICS
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Western Cape Government
Agriculture

ENTERPRISE BUDGET			
Classification	Fruit	**Province**	Western Cape
Enterprise Budget Name	Lemons Y6	**District**	Cape Winelands
Land Size	1 Hectare	**Area**	Drakenstein
Date Developed	13 June 2018	**Date Updated**	20 September 2021
Developer	Mzwanele Lingani	**Updater**	Mzwanele Lingani
Soil Type	Sandy clay		

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

	Unit	Price Per Unit	Quantity	Per Ha	Value Per Yield Unit
GROSS INCOME			**70,00**	**394 800,00**	**5 640,00**
Product Income					
Lemons - Export Market (80%)	Ton	6 950,00	56,00	389 200,00	5 560,00
Lemons - Processing (20%)	Ton	400,00	14,00	5 600,00	80,00
MARKETING COSTS (Export Market)	Ton		0,06	23 352,00	333,60
MARKETING COSTS (Local Market)	Ton		0,13	700,00	10,00
GROSS INCOME minus MARKETING COSTS				**370 748,00**	**5 306,40**
TOTAL ALLOCATABLE VARIABLE COSTS				**34 203,61**	**488,62**
DIRECTLY ALLOCATABLE VARIABLE COSTS				**27 560,39**	**393,72**
A) PRE-HARVEST COST					
FERTILISER					
Urea HB Granular 46%	Ton	7 617,60	0,50	3 839,27	54,85
Mono Ammonium Phosphate	Ton	9 325,52	0,24	2 266,10	32,37
Calcium Nitrate	Ton	4 600,00	0,45	2 060,80	29,44
Magnesium	Ton	5 414,20	0,15	806,72	11,52
Potassium Nitrate	Ton	3 082,00	0,50	1 534,84	21,93
KCL	Ton	7 072,50	0,26	1 853,00	26,47
HERBICIDES					
Glyphosate	L	82,90	0,300	24,87	0,36
INSECTICIDES					
Bacillus thuringiensis	Kg	1 148,51	0,13	143,56	2,05
Imidacloprid 350SC	L	251,46	0,90	226,31	3,23
Mineral Oil 857g/l (Ampron)	L	21,47	3,00	64,41	0,92
Spinetoram 250 WG	kg	5 294,92	0,02	127,08	1,82
FUNGICIDES					
Potassium phosphite 400 SL	L	33,10	40,00	1 323,88	18,91
PESTICIDES					
Spirotetramat	L	2 932,74	0,02	58,65	0,84
CASUAL LABOUR					
Casual Labour Spraying/Hour	R/Manhour	21,69	100,00	2 169,00	30,99
IRRIGATION & ELECRICITY					
B) HARVEST COSTS					
Casual Labour Harvesting/Hour	R/Manhour	21,69	450,00	9 760,50	139,44
Casual Labour Sorting & Grading/Hour	R/Manhour	21,69	60,00	1 301,40	18,59
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				**343 187,61**	**4 902,68**

INDIRECTLY ALLOCATABLE VARIABLE COSTS			**6 643,22**	**94,90**
C) PRE-HARVEST COST				
Fuel	L	14,06	573,19	8,19
Repairs & Maintenance			486,66	6,95
D) HARVEST COSTS				
Fuel	L	14,06	2432,03	34,74
Repairs & Maintenance			3151,34	45,02
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS			**336 544,39**	**4 807,78**
Interest on Working Capital			2 394,25	34,20
MARGIN ABOVE SPECIFIED COSTS			**334 150,13**	**4 773,57**

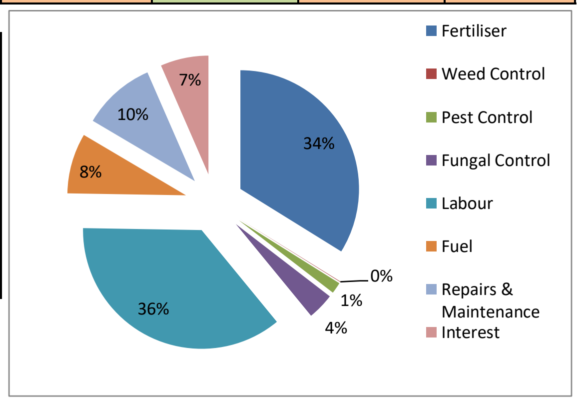
NOTES:

Interest Rate	7,00%
Growing period of Crop (Months)	12

SENSITIVITY ANALYSIS

YIELD (ton/ha)	PRICE (R/ton)				
YIELD CHANGE AT 10% INCREMENTS	LESS 10%	LESS 5%	ACTUAL	ADD 5%	ADD 10%
	R 5 076	**R 5 358**	**R 5 640**	**R 5 922**	**R 6 204**
56,00	R 223 606	R 239 398	R 255 190	R 270 982	R 286 774
63,00	R 259 138	R 276 904	R 294 670	R 312 436	R 330 202
70,00	R 294 670	R 314 410	R 334 150	R 353 890	R 373 630
77,00	R 330 202	R 351 916	R 373 630	R 395 344	R 417 058
84,00	R 365 734	R 389 422	R 413 110	R 436 798	R 460 486
BREAKEVEN YIELD (Ton/Ha)	**11,95**	**11,32**	**10,75**	**10,24**	**9,78**

Costs Of Production	R/Ha
Fertiliser	12 360,72
Weed Control	24,87
Pest Control	561,37
Fungal Control	1 323,88
Labour	13 230,90
Fuel	3005,22
Repairs & Maintenance	3638,00
Interest	2 394,25



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