



Area Unit = 1ha

POTATO - Fresh Winter

2013

						standard budget	your budget
INCOME:							
Anticipated Yield	1st Grade	500	bags/ ha	@	\$ 28.00 / bag	\$ 14,000.00	
	2nd Grade		bags/ ha	@	/ bag	\$ -	
	Total	500	bags/ ha	Average	\$ 28.00 / bag		
A. Gross Income/ha						\$14,000.00	
OPERATING COSTS:							
Seed and Plants	Seed (own from summer crop)	2800	kg/ha	\$ 0.40	/kg	\$ 1,120.00	
Fertiliser	Lime	2500	kg/ha	\$ 0.63	/kg	\$ 1,575.00	
	Complete	1000	kg/ha	\$ 0.98	/kg	\$ 980.00	
	Starter (base fertiliser)	500	kg/ha	\$ 1.06	/kg	\$ 530.00	
	Urea (side dressing)	250	kg/ha	\$ 0.86	/kg	\$ 215.00	
Fuel	Ground/Bed Preparation	15	L/hr	0.4	hr/ha	\$ 1.15 /L	\$ 6.90
	Sowing/Planting	15	L/hr	0.35	hr/ha	\$ 1.15 /L	\$ 6.04
	Harvester	12	L/hr	3.0	hr/ha	\$ 1.15 /L	\$ 41.40
	Chemical Applications	12	L/hr	0.8	hr/ha	\$ 1.15 /L	\$ 11.04
	Fertiliser Applications	12	L/hr	2.0	hr/ha	\$ 1.15 /L	\$ 27.60
	Bin Trailer at harvest	12	L/hr	6.0	hr/ha	\$ 1.15 /L	\$ 82.80
	Slash	12	L/hr	0.3	hr/ha	\$ 1.15 /L	\$ 4.14
Chemicals	Dusting	1	application	5.6	kg/ha	\$ 30.00 /kg	\$ 168.00
	Pre-emergent Herbicide	1	application	0.5	kg/ha	\$ 36.09 /kg	\$ 18.05
	Post-emergent Herbicide	1	application	3.2	L/ha	\$ 9.18 /L	\$ 29.38
	Insecticide	1	application	0.2	L/ha	\$ 88.49 /L	\$ 17.70
	Insecticide	1	application	0.75	L/ha	\$ 11.00 /L	\$ 8.25
	Fungicide	2	applications	0.5	L/ha	\$ 133.00 /L	\$ 133.00
Water	Centre Pivot Irrigation	4	ML/ha	\$ 60.00	/ML	\$ 240.00	
Labour	Tractor Driving	1	person	3.9	hr/ha	\$ 25.00 /hr	\$ 97.50
	Harvester Driving	1	person	3.0	hr/ha	\$ 25.00 /hr	\$ 75.00
	Harvest/Bin Pickup	2	people	6.0	hr/ha	\$ 18.00 /hr	\$ 216.00
	Grading/Packing (on farm)	5	people	100	bags/ha	\$ 2.75 /bag	\$ 1,375.00
Electricity/Gas	Irrigation Pumps	5	ML/ha	\$ 82.80	/ML	\$ 414.00	
	Packing Shed	21.0	hr/ha	\$ 1.05	/hr	\$ 22.05	
	Cool Room (seed storage)	20	hr/ha	\$ 1.05	/hr	\$ 21.00	
Packaging	Package Materials	500	bags	\$ 0.95	/bag	\$ 475.00	
Freight/Transport	Truck	19	bags/ pallet space	\$ 115.00	cost per pallet space	\$ 6.05 /bag	\$ 3,025.00
Other Costs	Levies			0.50%		\$ 70.00	
	Commissions			15%		\$ 2,100.00	
B. Total Operating Costs						\$ 13,104.84	
Gross Margin per ha (A-B)						\$ 895.16	
Gross Margin /ML						\$ 223.79	

Break-even Price \$25.89 / bag for 500 bags / ha

Break-even Yield 436 bags / ha @ \$28.00 / bag

PRODUCT TRADE NAMES

The product trade names in this publication are omitted on the understanding that no preference between equivalent products is intended and that the inclusion of a product does not imply endorsement by NSW DPI over any other equivalent product from another manufacturer.



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SENSITIVITY ANALYSIS

TABLE 1- Effect of Yield and Price on Gross Margin /ha

YIELD (bags)	DELIVERED PRICE (\$/bag)					
	18.00	23.00	28.00	33.00	38.00	43.00
300	-\$4,972	-\$3,704	-\$2,437	-\$1,169	\$98	\$1,366
400	-\$4,151	-\$2,461	-\$771	\$919	\$2,609	\$4,299
500	-\$3,330	-\$1,217	\$895	\$3,008	\$5,120	\$7,233
600	-\$2,509	\$26	\$2,561	\$5,096	\$7,631	\$10,166
700	-\$1,688	\$1,270	\$4,227	\$7,185	\$10,142	\$13,100

NOTES:

Authors - This budget was prepared by T.Napier, G.Kelly and S.Watts and outlines production for inland NSW.

Area - Riverina is the main growing area (70 %) with production also in the tablelands (20 %) and the coast (10 %).

Production - The winter crop is the main income crop in most districts. It has lower yields than the summer crop due to a shorter growing season and higher incidence of disease.

- Potatoes are sown from mid February to mid March.
- The main white skinned variety grown is 'Coliban' while the main red skinned variety is 'Desiree'.
- Plants are spaced about 22 to 25 cm apart on rows 90 cm apart.
- Water usage is 4 to 6 ML/ha and varies with soil, location and season.

Pests, Diseases

& Disorders - Aphids and potato moths are the main insect pests with target spot the most common disease.

Harvesting - Harvesting usually commences in June and finishes by the end of September but can go as late as November.

- Potatoes can be graded on the back of the harvester or in the packing shed. If being sold as a washed product, they will need to be graded in the shed.

Packaging - Potatoes are usually marketed in **50 kg bags** with 1 tonne bulk bags and 5 or 10 kg consumer packs also used.

Yields - Paddock yields vary from 20 to 30 tonne per hectare.

- Production in the tablelands can expect 20 % higher yields than in the Riverina.

Economic - **This budget is ONLY A GUIDE** and is specific to the regions specified. Costs and income can be altered for changes in crop management or input prices. Farmers should use their own figures.

- The budget uses a format similar to the Method 2 calculator in the VegTool Gross Margin program.
- Average prices for 2012 were used for this budget. Overhead costs or GST are not included.

Trim Reference: INT13/37822