

Enterprise		CABBAGE		2001	
Unit	ha	Sprinkler Irrigation		Standard Budget	Your Budget
GROSS MARGIN BUDGET:		1 ha			
INCOME:					
	20000 head/ha	@	\$0.65 /head	\$13,000.00	
		A. Total Income/ha		\$13,000.00	
VARIABLE COSTS:					
Transplants	30000 /ha		\$0.04 /plant	\$1,200.00	
Tractor costs					
Small equipment including labour, fuel, oil, etc					
	2 Cultivate	2.5 hr/ha	\$24.50 /hr	\$122.50	
	1 Lister	2.0 hr/ha	\$24.50 /hr	\$49.00	
	1 Drill Fertiliser	2.0 hr/ha	\$24.50 /hr	\$49.00	
	1 Bedform	2.0 hr/ha	\$24.50 /hr	\$49.00	
	1 Sidedressing	2.0 hr/ha	\$24.50 /hr	\$49.00	
	1 Incorporate herbicide	2.0 hr/ha	\$24.50 /hr	\$49.00	
	1 Transplanting	6.0 hr/ha	\$24.50 /hr	\$147.00	
	8 Boomspray	0.5 hr/ha	\$24.50 /hr	\$98.00	
Irrigation					
	Water	4 ML/ha	\$17.36 /ML	\$69.44	
	Pumping costs	4 ML/ha	\$30.00 /ML	\$120.00	
Fertiliser					
	Single Super	200 kg/ha	\$0.24 /kg	\$48.00	
	Starter Fertiliser	250 kg/ha	\$0.45 /kg	\$112.50	
	Ammonium nitrate	350 kg/ha	\$0.41 /kg	\$142.45	
Pest control					
	2 Fungicide	2.5 kg/ha	\$7.45 /kg	\$37.25	
	1 Fungicide	2.2 kg/ha	\$8.30 /kg	\$18.26	
	2 Insecticide	0.5 L/ha	\$46.00 /L	\$46.00	
	1 Insecticide	2.0 L/ha	\$10.00 /L	\$20.00	
	2 Insecticide	0.8 L/ha	\$8.75 /L	\$14.00	
Weed control					
	1 Pre emergent	2 L/ha	\$10.25 /L	\$20.50	
	1 Post emergent	1 L/ha	\$63.70 /L	\$63.70	
Casual Labour					
	Chipping	10 hr/ha	\$14.50 /hr	\$145.00	
	3 Transplanting	6 hr/ha	\$14.50 /hr	\$261.00	
Harvesting (Packed in paddock)					
	Harvest labour	80 hr/ha	\$14.50 /hr	\$1,160.00	
	Trailer pickup	10 hr/ha	\$30.50 /hr	\$305.00	
	Octabins	160 Octabin/ha	\$14.00 /Octabin	\$2,240.00	
	Cooling	160 Octabin/ha	\$1.00 /Octabin	\$160.00	
Freight					
	Markets	160 Octabin/ha	\$20.00 /Octabin	\$3,200.00	
Levy			0.50%	\$65.00	
Agents commission			12.00%	\$1,560.00	
		B. Total Variable Costs		\$11,620.60	
		Gross Margin per ha (A-B)		\$1,379.40	
		Gross Margin per ML		\$344.85	

Break-even price	\$0.58 /head
Break-even yield	17,878 head/ha

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 Agriculture over any other equivalent product from another manufacturer.

Enterprise

CABBAGE
 Sprinkler Irrigation

2001

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

YIELD (head)	DELIVERED PRICE (\$/head)					
	0.25	0.45	0.65	0.85	1.05	1.25
10000	-\$7,808	-\$6,058	-\$4,308	-\$2,558	-\$808	\$942
15000	-\$6,714	-\$4,089	-\$1,464	\$1,161	\$3,786	\$6,411
20000	-\$5,621	-\$2,121	\$1,379	\$4,879	\$8,379	\$11,879
25000	-\$4,527	-\$152	\$4,223	\$8,598	\$12,973	\$17,348
30000	-\$3,433	\$1,817	\$7,067	\$12,317	\$17,567	\$22,817

TABLE 2- Effect of Yield and Price on Gross Margin /ML

YIELD (head)	DELIVERED PRICE (\$/head)					
	0.25	0.45	0.65	0.85	1.05	1.25
10000	-\$1,952	-\$1,515	-\$1,077	-\$640	-\$202	\$235
15000	-\$1,679	-\$1,022	-\$366	\$290	\$946	\$1,603
20000	-\$1,405	-\$530	\$345	\$1,220	\$2,095	\$2,970
25000	-\$1,132	-\$38	\$1,056	\$2,150	\$3,243	\$4,337
30000	-\$858	\$454	\$1,767	\$3,079	\$4,392	\$5,704

The weighted average price shown in bold is based on the Flemington Market prices over a recent 12 month period.

NOTES:

- Area** - Bathurst (summer and autumn), Cowra, Wellington, Dubbo and MIA (winter and spring), Central Coast and Sydney Basin (year round) are the main growing areas.
- Production** - Plant populations range from 30 000 to 50 000 plants per hectare. Two or three rows are usually sown on beds with an in-row spacing of 400mm. Domestic markets usually require up to 3 whorls of outside leaves left around the head for protection while heads for export are usually cut bare.
- Pests** - Cabbage white butterfly and cabbage moths are the major insect pests with club root the most common disease.
- Harvesting** - Crop maturity can vary between 60 days in summer and 130 days in winter. Harvesting is done by hand in one pass for green cabbage but red and savoy need multiple passes.
- Yields** - Yields are approximately 60 to 70% of transplant numbers.
- Packaging** - Bulk bins are used for export and processing cabbages while returnable plastic crates, bulk bins or 20kg cartons can be used for the domestic market.
- Economic note** - **This budget is ONLY A GUIDE** and should be altered for movements in crop and input prices, changes in seasonal conditions and the farm characteristics.
 - This budget does not include overhead costs or GST.