

Enterprise Unit		EGGPLANT		2001	
ha		Sprinkler Irrigation			
GROSS MARGIN BUDGET:		1 ha		Standard Budget	Your Budget
INCOME:					
	2200 half cartons/ha	@	\$7.00 /carton	\$15,400.00	
A. Total Income/ha				\$15,400.00	
VARIABLE COSTS:					
Transplants					
	8900 plants/ha		\$0.04 /kg	\$356.00	
Tractor costs					
<i>Small equipment including labour, fuel, oil, etc</i>					
	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	
	6 Boomspray	0.5 hr/ha	\$24.50 /hr	\$73.50	
Irrigation					
	Water	7 ML/ha	\$17.36 /ML	\$121.52	
	Pumping	7 ML/ha	\$30.00 /ML	\$210.00	
Fertiliser					
	Starter Fertiliser	500 kg/ha	\$0.45 /kg	\$225.00	
	Urea	500 kg/ha	\$0.38 /kg	\$187.50	
	Mico nutrients	1.5 kg/ha	\$1.20 /kg	\$1.80	
Pest control					
	2 Fungicide	2.5 kg/ha	\$7.45 /kg	\$37.25	
	2 Insecticide	0.4 L/ha	\$34.00 /L	\$27.20	
	1 Insecticide	0.8 L/ha	\$8.75 /L	\$7.00	
Weed control					
	1 Pre-emergent (50% area)	4.5 kg/ha	\$34.92 /kg	\$78.57	
	1 Post emergent	1.0 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 (5 passes needed)					
	Harvesting tractor	3 hr/ha	\$24.50 /hr	\$367.50	
	Casual labours (x5)	3 hr/ha	\$14.50 /hr	\$217.50	
	Bin Pick up	5 hr/ha	\$24.50 /hr	\$612.50	
	14 Bin Hire (14 days)	20 bins/ha	\$0.16 /bin-day	\$44.80	
Handling					
	Wash, grade & pack	2200 cartons/ha	\$1.20 /carton	\$2,640.00	
	Cartons	2200 cartons/ha	\$1.40 /carton	\$3,080.00	
	Cooling	2200 cartons/ha	\$0.05 /carton	\$110.00	
Freight					
	Markets	2200 cartons/ha	\$0.60 /carton	\$1,320.00	
Levy			0.50%	\$77.00	
Agents commission			12.00%	\$1,848.00	
B. Total Variable Costs				\$12,626.84	
Gross Margin per ha (A-B)				\$2,773.16	
Gross Margin per ML				\$396.17	

Break-even price	\$5.74 /carton
Break-even yield	1,804 cartons/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

EGGPLANT
 Sprinkler Irrigation

2001

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

YIELD (carton)	DELIVERED PRICE (\$/carton)					
	5.00	6.00	7.00	8.00	9.00	10.00
1600	-\$1,752	-\$352	\$1,048	\$2,448	\$3,848	\$5,248
1900	-\$1,414	\$248	\$1,911	\$3,573	\$5,236	\$6,898
2200	-\$1,077	\$848	\$2,773	\$4,698	\$6,623	\$8,548
2500	-\$739	\$1,448	\$3,636	\$5,823	\$8,011	\$10,198
2800	-\$402	\$2,048	\$4,498	\$6,948	\$9,398	\$11,848

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

YIELD (carton)	DELIVERED PRICE (\$/carton)					
	5.00	6.00	7.00	8.00	9.00	10.00
1600	-\$250	-\$50	\$150	\$350	\$550	\$750
1900	-\$202	\$35	\$273	\$510	\$748	\$985
2200	-\$154	\$121	\$396	\$671	\$946	\$1,221
2500	-\$106	\$207	\$519	\$832	\$1,144	\$1,457
2800	-\$57	\$293	\$643	\$993	\$1,343	\$1,693

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

NOTES:

Area	- Central coast and Sydney Basin are the main growing areas.
Production	- Eggplants require warm conditions and are susceptible to frost and wind damage. Eggplants can be grown on a wide range of soils, well drained loams are preferable. Rows or raised beds are used to assist with drainage. Transplants should be done when plants are 150 to 200mm in height. - Plant densities between rows should be 1.2 to 1.5m and 500 to 750mm between plants. Pruning of lower leaves is required and thinning to 8 to 10 fruit per plant may be necessary.
Pests	- Heliothis and aphids are the main insect pests with target spot the most common disease.
Harvesting	- The growing season takes about 110 days to maturity. Harvest is by hand using sharp knife or secateurs until cold temperatures or frost stops growth.
Yields	- Yields vary from 9 to 15 tonnes per hectare (1300 to 2100 cartons).
Packaging	- Eggplants are marketed in 7kg cartons. The best prices are for dark purple, glossy and evenly sized and shaped fruit.
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.