



Area Unit = 1ha

## SWEET CORN - Processing

2013

					standard budget	your budget
INCOME:	Item	Quantity	Rate	Price		
Anticipated Yield	1st Grade	25 tonne/ha	@	\$ 210.00 /tonne	\$ 5,250.00	
<b>A. Gross Income/ha</b>					<b>\$ 5,250.00</b>	
OPERATING COSTS:					\$ Cost	
Seed and Plants	Seed		12 kg/ha	\$ 117.50 /kg	\$ 1,410.00	
Fertiliser	Anhydrous Ammonia		140 kg/ha	\$ 1.26 /kg	\$ 176.40	
	Starter (base fertiliser)		200 kg/ha	\$ 1.06 /kg	\$ 212.00	
	Urea (side dressing)		290 kg/ha	\$ 0.86 /kg	\$ 249.40	
	Micro Nutrients		5 L/ha	\$ 6.50 /L	\$ 32.50	
Fuel	Ground Preparation	15 L/hr	1.4 hr/ha	\$ 1.15 /L	\$ 24.15	
	Bed Preparation	15 L/hr	0.5 hr/ha	\$ 1.15 /L	\$ 8.63	
	Sowing/Planting	15 L/hr	0.5 hr/ha	\$ 1.15 /L	\$ 8.63	
	Inter Row Cultivation	15 L/hr	0.5 hr/ha	\$ 1.15 /L	\$ 8.63	
	Chemical Applications	12 L/hr	0.5 hr/ha	\$ 1.15 /L	\$ 6.90	
	Fertiliser Applications	12 L/hr	1.4 hr/ha	\$ 1.15 /L	\$ 19.32	
	Harvester	12 L/hr	1.4 hr/ha	\$ 1.15 /L	\$ 19.32	
	Chaser Bins (at harvest)	12 L/hr	1.4 hr/ha	\$ 1.15 /L	\$ 19.32	
Chemicals	Pre-emergent Herbicide	1 application	3.2 L/ha	\$ 11.08 /L	\$ 35.46	
	Pre-emergent Herbicide	1 application	2.0 L/ha	\$ 15.55 /L	\$ 31.10	
	Post-emergent Herbicide	1 application	2.0 L/ha	\$ 5.50 /kg	\$ 11.00	
	Insecticide	1 application	2.0 kg/ha	\$ 13.55 /kg	\$ 27.10	
	Insecticide	2 applications	1.0 L/ha	\$ 15.00 /L	\$ 30.00	
	Insecticide	1 application	0.4 L/ha	\$ 6.80 /L	\$ 2.72	
	Insecticide	1 application	0.25 kg/ha	\$ 410.00 /kg	\$ 102.50	
	Insecticide	1 application	0.4 L/ha	\$ 419.62 /L	\$ 167.85	
	Pest Scout Services	1 application		\$ 60.00 /ha	\$ 60.00	
Water	Furrow Irrigation		7 ML/ha	\$ 60.00 /ML	\$ 420.00	
Labour	Tractor Driving	1 person	7.4 hr/ha	\$ 25.00 /hr	\$ 185.00	
	Irrigation	1 person	2.0 hr/ha	\$ 25.00 /hr	\$ 50.00	
	Tractor Driving Harvest	1 person	2.1 hr/ha	\$ 25.00 /hr	\$ 52.50	
	Harvesting	2 people	0.6 hr/ha	\$ 18.00 /hr	\$ 21.60	
Electricity/Gas	No Pumping Costs					
Packaging	No Packaging Required					
Freight/Transport	Transport Costs Met by Processor					
Other Costs	Levies		0.50%		\$ 26.25	
<b>B. Total Operating Costs</b>					<b>\$ 3,418.26</b>	
<b>Gross Margin per ha (A-B)</b>					<b>\$ 1,831.74</b>	
<b>Gross Margin /ML</b>					<b>\$ 261.68</b>	

Break-even Price \$138 / tonne for 25 tonne / ha

Break-even Yield 16.2 tonne / ha @ \$210.00 / tonne

### 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 (tonne)	DELIVERED PRICE (\$/tonne)					
	130.00	170.00	210.00	250.00	290.00	330.00
15	-\$1,452	-\$855	-\$258	\$339	\$936	\$1,533
20	-\$805	-\$9	\$787	\$1,583	\$2,379	\$3,175
<b>25</b>	-\$158	\$837	<b>\$1,832</b>	\$2,827	\$3,822	\$4,817
30	\$488	\$1,682	\$2,876	\$4,070	\$5,264	\$6,458
35	\$1,135	\$2,528	\$3,921	\$5,314	\$6,707	\$8,100

#### NOTES:

**Authors** - This budget was prepared by T.Napier, G.Kelly and S.Watts and outlines production for inland NSW, and represents flood irrigated crops in the Riverina.

**Area** - The main growing locations are the Central Tablelands and Riverina region.

**Production** - Sowing is from September to December.

- Twin rows on 1.8 to 2.0 m beds are used for flood irrigation with plants spaced 15 to 25 cm apart.
- Plant population is between 55,000 and 75,000 per ha.
- Centre pivots are used for irrigation in the tablelands.
- Soil moisture should be maintained during tasselling to avoid desiccation during heatwave conditions.
- Water usage is 4 to 6 ML/ha and varies with soil, location and season.

**Pests, Diseases** - Heliothis is the main insect pest. Northern leaf blight and boil smut are common diseases.

**& Disorders** - Controlling heliothis in late crops is a big challenge with more growers now using IPM systems.

**Harvesting** - Harvest is carried out from January to April.

- Mechanical harvesters are used for processing crops.
- Cobs are considered mature when they reach 72% moisture, which takes about 75 to 95 days (supersweets are harvested at a slightly higher moisture content).

**Packaging** - No packaging is required as crops are delivered in bulk trailers.

**Yields** - Yields vary from 12 to 25 tonne per hectare.

**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: INT13/37828