

# **Cotton Industry Gross Margins**



2025-26

\$3.315

5.5 bales/ha

\$361 /bale

# **Gross Margin Budget: Furrow Irrigated Cotton**

1m row spacing. Bollgard3®, XtendFlex®, Roundup Ready Flex®

INCOME:						Example Budget	Your Budget
						\$/ha	\$/ha
	12.0	bales/ha <sup>1</sup> @	Cotton lint	\$573	/bale (at gin)	\$6,876	
		•	(less quality discount)	-\$8	/bale (at gin)	-\$96	
			Cotton seed	\$93	/bale (at gin)	<b>\$1,11</b> 5	
			_	\$658	/bale (at gin)		
				A. TOTAL GROS	SS INCOME \$/ha:	\$7,895	
VARIABLE COSTS: See pg 2 for details							
			Fallow managemen	t		\$70	
			Farming: Pre-plantii	ng		\$65	
	Pre-plant		Nutrition			\$989	
Picking	18%		Planting			\$145	
onwards 32%			Irrigation (6.5 ML a	pplied <sup>2</sup> )		\$551	
3270			Insurance			\$272	
			Crop protection, ap	plication & licen	ce fee	\$906	
	In-crop 50%		Defoliation			\$131	
	3070		Ficking, cartage & g	ginning		\$1,332	
			Farming: Post-crop			\$120	
				<b>B. TOTAL VARIA</b>	BLE COSTS \$/ha:	\$4,580	

GROSS MARGIN (A-B/ML sourced<sup>2</sup>) \$/ML: \$422

GROSS MARGIN\* (A-B) \$/ha:

Break even yield (bales/ha) based on lint & seed prices above: Break even price (\$/bale incl. seed and discounts) based on 12 bales/ha:

Note that break even yield & price are for variable costs only, overhead costs and labour are NOT considered

## SENSITIVITY TABLE<sup>5</sup>

		PRICE (\$/bale incl. of seed & discounts)								
		558	608	658	708	758				
œ	9.0	850	1284	1719	2153	2588				
Ž,	10.0	1285	1768	2251	2734	3216				
bales/ha	11.0	1721	2252	2783	3314	3845				
t p	12.0	2156	2736	3315	3894	4474				
æ ≡	13.0	2592	3219	3847	4475	5102				
227	14.0	3027	3703	4379	5055	5731				
7	15.0	3463	4187	4911	5635	6360				

### **COTTON PRICE HISTORY & TRENDS**

### Australian cotton price\* 2020 to 2025



This budget is designed to give an indication of operations and costs required to grow a cotton crop. Prices are estimates only. A grower should alter this budget to take account of individual field management plans, movements in crop and input prices and changes in seasonal conditions. In all instances, operations should be tailored to the requirements of individual paddocks. For a complete guide to cotton management, see the *Australian Cotton Production Manual*.

# Furrow Irrigated Cotton 2025-26

(Bollgard3®, XtendFlex®, Roundup Ready Flex®)

ariable Cost	s by Operation	IVIA	chinery	Total	De4c		Inputs	C4	TO
ariable cost	s by Operation			Total \$/ha	Rate /ha	Unit	Cost \$/unit	Cost \$/ha	
llow management	(long fallow) <sup>4</sup>			.,	,		•	.,	
Fallow spray:	Glyphosate (450g/L)	Self Propelled		2.00	2.00	L	4.00	8.00	
Fallow spray:	Flumioxazin (500g/L)	with above			0.03	kg	147.00	4.41	
Fallow spray:	Paraquat (360g/L)	Self Propelled		2.00	2.00	L	5.00	10.00	
Fallow spray:	Flumioxazin (500g/L)	with above			0.03	kg	147.00	4.41	
Fallow spray:	Glufosinate-ammonium (200g/L)	Self Propelled		2.00	3.75	L	7.00	26.25	
Fallow spray:	Terbuthylazine (875g/kg)	with above			1.00	L	11.00	11.00	
rming: Pre-planting									
Farming:	Discing	340 eng/HP		27.00					
Ü		_							
Farming:	Hill up	340 eng/HP		17.00					
Farming:	Cultipacker	340 eng/HP		15.00					
Farming:	Steel drum / Rubber tyre roller	340 eng/HP		6.00					
trition									
Fertiliser:	Soil nutrient testing			2.35					
Fertiliser:	MAP (16.5kg N, 36kg P, 2.5kg S applied) - spread pre plant	340 eng/HP		9.00	165	kg	1.56	257.73	
Fertiliser:	Potassium (50kg K applied) - spread pre plant	with above			100	kg	1.01	101.20	
Fertiliser:	Urea (117kg N applied) - drilled pre plant	340 eng/HP		16.00	255		1.15	293.25	
		_							
Fertiliser:	Urea (117kg N applied) - side dress early-mid season	340 eng/HP		16.00	255	кg	1.15	293.25	
enting									
Planting:	Precision planter	340 eng/HP		14.00					
Planting:	Seed: Bollgard3® Roundup Ready Flex or XtendFlex®	with above			13	kg	10.06	130.74	
gation manageme	nt <sup>2,3</sup>								
Irrigation:	Budgeted water (from source <sup>2</sup> )				7.7	ML	68.07	525.02	
Other:	Soil moisture monitoring			8.75					
Farming:	Rotobuck/Knockdown (twice in season)	340 eng/HP		16.75					
		340 elig/TiF		10.75					
	lication & licence fee <sup>4</sup>								
Insecticide:	Sulfoxaflor (500g/kg), target: mirids	Self Propelled		2.00	0.14	_	311.00	43.54	
Insecticide:	Fipronil (200g/L), target: mirids	Aerial		20.00	0.07	L	62.00	4.34	
Insecticide:	Spirotetramat (240g/L), target: SLW	Aerial		20.00	0.40	L	165.00	66.00	
Insecticide:	Acetamiprid (218g/L), Emamectin (32.5g/L)	Aerial		20.00	0.30	L	83.00	24.90	
	target: SLW, aphids, shield bugs								
Herbicide:	Pendimethalin (455g/L)	Self Propelled		2.00	2.25	kø	18.00	40.50	
Herbicide:	Terbuthlazine (875g/L)	with above		2.00	1.20		11.00	13.20	
				2.00					
Herbicide:	XtendiMax® 2 (Dicamba 480g/L) (with XtendFlex® varieties only) <sup>4</sup>	Self Propelled		2.00	1.17		20.00	23.40	
Herbicide:	Roundup Ready® Plantshield® (690g/kg Glyphosate)	Self Propelled		2.00	1.20		9.00	10.80	
Herbicide:	S-metolachlor OTT (960g/L)	with above			1.00	L	9.00	9.00	
Herbicide:	Roundup Ready® Plantshield® (690g/kg Glyphosate)	Aerial		20.00	1.20	kg	9.00	10.80	
Farming:	Cultivation: Inter-row	340 eng/HP		15.00					
Other:	Chipping or Spot Spray			11.00					
Growth regulator:	Mepiquat (380g/L), growth regulator	Aerial		20.00	0.06	L	22.00	1.32	
	Mepiquat (380g/L), growth regulator / cutout	Aerial		20.00	0.20		22.00	4.40	
		Aeriai		20.00	0.20	_	22.00	4.40	
Licence:	Bollgard 3® RRF Licence Fee: Price Discount								
Other:	Consultant	Contractor		75.00					
Refuge:	Refuge crop: Pigeon peas 2.5%, see page 3				0.1	ML			
foliation <sup>4</sup>			_	_			_		
Defoliation:	Thidiazuron (500 g/L)	Aerial		20.00	0.15	L	26.00	3.90	
Defoliation:	Ethephon (900g/L)	with above			0.80		7.00	5.60	
Defoliation:	Spraying oil	with above			1.00		7.00	7.00	
				20.00					
Defoliation:	Thidiazuron + Diuron (240g + 120g/L)	Aerial		20.00	0.13		94.00	12.22	
Defoliation:	Ethephon (900g/L)	with above			2.00		7.00	14.00	
Defoliation:	Spraying oil	with above			1.00	L	7.00	7.00	
Defoliation:	Pyraflufen-ethyl (25g/L)	Aerial		20.00	0.08	L	87.00	6.96	
Defoliation:	Ethephon (900g/L)	with above			1.00	L	7.00	7.00	
Defoliation:	Spraying oil	with above			1.00	L	7.00	7.00	
king, cartage & gi									
Picking:	Own plant: round baler (variable costs only, incl. fuel)	CP770	94.00	per ha					
Picking:	plus wrap	-		round bale			10	.44 / lint bale	
		nonto reletad t		round bale				.00 / lint bale	
Cartage:	Freight (incl. lift) 50 km from gin	costs related to yield							
Ginning:	Fibre processing	yieiu	75.00	/ lint bale				.00 / lint bale	
Levies:	Research levy & Cotton Australia levy		3.75	/ lint bale			3.	.75 / lint bale	
rming: Post-crop									
Farming:	Mulcher	340 eng/HP		18.00					
Farming:	Pupae bust (check bt licence cultivation requirements)	340 eng/HP		24.00					
Farming:	Desilting & grading channels	Contractor		70.00					
Herbicide:	Sterilising channels	340 eng/HP		8.00					
ner									
Crop insurance:		1	Premium depe	ends on variou	s factors				

# Furrow Irrigated Pigeon Peas (refuge for Bollgard3® cotton)



(	
	TOTAL
st	Cost
	\$/ha

		Machine		TOTAL				
Variable Co	Variable Costs by Operation		Total	Rate		Cost	Cost	Cost
			\$/ha	/ha	Unit	\$/unit	\$/ha	\$/ha
Fallow manageme	ent (long fallow) <sup>4</sup>							
Fallow spray:	Glyphosate (450g/L)	Self Propelled	2.0	2.00	L	4.00	8.00	10
Fallow spray:	Flumioxazin (500g/L)	with above		0.03	L	147.00	4.41	4
Fallow spray:	Paraquat (360g/L)	Self Propelled	2.0	2.00	L	5.00	10.00	12
Fallow spray:	Flumioxazin (500g/L)	with above		0.03	L	147.00	4.41	4
Fallow spray:	Glufosinate-ammonium (200g/L)	Self Propelled	2.0	3.75	L	7.00	26.25	28
Fallow spray:	Terbuthylazine (875g/kg)	with above		1.00	L	11.00	11.00	11
Farming								
Farming:	Discing	340 eng/HP	27.0					27
Farming:	Hill up	340 eng/HP	17.0					17
Farming:	Cultipacker	340 eng/HP	15.0					15
Farming:	Steel drum / Rubber tyre roller	340 eng/HP	6.0					6
Planting								
Planting:	Planter & seed: Pigeon pea	340 eng/HP	14.0	35.0	kg	5.50	192.50	207
Irrigation manage	ment <sup>2,3</sup>							
Irrigation:	Budgeted water (from source <sup>2</sup> )			4.50	ML	68.07	306.31	306
Herbicide & appli	cation							
Herbicide:	Pendimethalin (455g/L)	Self Propelled	2.0	2.00	kg	18.00	36.00	38
Herbicide:	Prometryn (500g/L)	with above		2.50	kg	21.00	52.50	53
Herbicide:	Glyphosate (450g/L)	Self Propelled	2.0	1.60	L	4.00	6.40	8
Farming:	Cultivation: Inter-row	340 eng/HP	15.0					15
Post-crop								
Farming:	Crop destruction (slashing)	340 eng/HP	18.0					18
Farming:	Pupae bust (check bt licence cultivation requirements)	340 eng/HP	24.0					24
	B. TOTAL VARIABLE COSTS \$/f	na:						804
'								

Total irrigation water use ML/ha:

4.5 ML/ha

### 2025-26 Cotton Gross Margins, brought to you by the cotton industry's joint extension program, CottonInfo.

#### **Foot notes**

\*GM/Ha: This gross margin represents the income and costs for 1 green hectare of cotton plus the required refuge crop of 0.025ha, resulting in a total gross margin area of 1.025 ha.

- 1. Yield: Actual yields are a complex result of agronomic and environmental factors. In this budget a yield of 12 bales/ha is appropriate considering the long fallow, fertiliser program and budgeted irrigation water.
- 2. Water: Budgeted water is the ML/ha pumped from sources (surface or groundwater). Grower Survey data shows a 5 year average (2019-20 to 2023-24) *field applied water* of 6.4 ML/ha. Water application for refuge pigeon peas is estimated at 3.7 ML/ha, giving total cotton (1 ha) and refuge (0.025 ha) water use of 6.5 ML/ha. Average conveyance efficiency of 83% (NSW DPI 2020-21 and 2021-22) brings *total sourced water* to 7.8 ML/ha (cost outlined on pg2). Individual water budgets will vary depending on irrigation system efficiency, and regional and seasonal variations in plant evapotranspiration and effective rainfall.
- 3. Cost of water: The cost of applied irrigation water varies considerably depending on: source (groundwater, surface water), number of times pumped to get to field, energy source of pumps, and relevant fees and charges. This budget assumes 79% surface water and 21% groundwater (2021-22 to 2022-23 Grower Surveys), with a total surfacewater cost of \$64/ML (extract and lift to storage) and a groundwater cost of \$83/ML (extract only), both including pump fuel and maintenance and water usage charges.
- **4. Chemicals:** Registrations vary between states. Use of a particular brand name or active ingredient are examples only and do NOT imply a recommendation. Always read chemical labels and follow directions. XtendFlex® varieties allow 'Over the Top' application of glyphosate, dicamba and glufosinate-ammonium herbicides under specific conditions. With a range of traits being grown this season, ensure all weed management strategies are trait specific.
- 5. Sensitivity tables: There are yield dependant costs included in these calculations.

Machinery costs: The cost of each farming pass reflects variable costs only (fuel, repairs and maintenance), labour and depreciation are considered overhead costs, so are not included in this budget. Contractor rates encompass these costs and are outlined in a separate budget.

See the Gross Margin Notes for further details on assumptions.

#### Acknowledgements

We wish to acknowledge the efforts made by industry specialists and management during the development and review of the 2025 cotton gross margin budgets. Assistance was provided by retailers, agronomists, the CottonInfo team, CCA, and CSD.

#### Disclaime

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