





Guidelines For Estimating **Strawberry U-Pick Production Costs**

The following budget estimates the cost of producing Strawberries in Manitoba. General Manitoba Agriculture recommendations are assumed in using fertilizers and chemical inputs. These figures provide an economic evaluation of the crops and estimated yields required to cover all costs. Costs include labour, investment and depreciation, but do not include management costs, nor do they necessarily represent the average cost of production in Manitoba.

These budgets may be adjusted by putting in your own figures. As a producer you are encouraged to calculate your own costs of production for various crops. On each farm, costs and yields differ due to soil type, climate and agronomic practices.

<u>The Farm Machinery Custom and Rental Rate Guide</u> is also available to help determine machinery costs.

This tool is available as an Excel worksheet at:



Contact Us

For more information, contact a Farm Management Specialist.

- manitoba.ca/agriculture
- mbfarmbusiness@gov.mb.ca
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Note: This budget is only a guide and is not intended as an in depth study of the cost of production of this industry. Interpretation and use of this information is the responsibility of the user. If you need help with a budget, contact a Farm Management Specialist.

Strawberry - Cost of Production Summary Based on 20 acres

		Establishment ¹	Picking Ye	ars	
		Cost \$/acre	Cost /acre	Cost/lb	Your Cost
	Operating Costs	<u> </u>			
Δ	Establishment cost (amortized) ¹	_	\$3,722.09	_	
	Seed & Treatment	\$2,240.00	_	\$0.6893	
	Fertilizer	\$179.86	\$170.16	\$0.0315	
	Pesticide	\$120.00	\$266.00	\$0.0493	
	Fuel	\$54.66	\$48.52	\$0.0090	
	Irrigation	\$15.96	\$63.84	\$0.0118	
	Machinery Operating & Lease	\$25.00	\$25.00	\$0.0046	
	Labour - hired	\$1,066.00	\$1,734.00	\$0.3211_	
	Crop Insurance (Establishment only)	\$64.80	-	_	
	Hail Insurance	\$280.00	\$280.00	\$0.0519_	
	Land Taxes	\$20.00	\$20.00	\$0.0037	
	Miscellaneous Cost	\$578.26	\$578.26	\$0.1071	
	Rental and Custom Charges	\$0.00	\$0.00	\$0.0000	
	Repairs & Maintenance Cost	\$378.26	\$378.26	\$0.0700_	
	Interest on Operating	<u>\$351.60</u>	<u>\$255.01</u>	<u>\$0.0472</u>	
	Total Operating Costs	\$5,374.39	\$7,541.14	\$1.3965	
В.	Fixed Costs				
	Land Costs	\$327.65	\$327.65	\$0.0607	
	Machinery Costs	\$2,949.88	\$2,949.88	\$0.5463	
	Storage & Irrigation Costs	<u>\$2,153.66</u>	\$2,153.66	\$0.3988	
	Total Fixed Costs	\$5,431.18	\$5,431.18	\$1.0058 _	
C.	Total Costs	\$10,805.57	\$12,972.32	\$2.4023	
	Estimated Farmgate				
	Price per Unit		\$5.00		
	Target Yield per acre (lbs)		5,400	_	
	Gross Revenue / acre		\$27,000.00		
	Operating Expense Ratio		28%	_	
	Marginal Returns				
	Over Operating Costs		\$19,458.86		
	Over Total Costs (Net Profit)		\$14,027.68	_	
	Proglesson Price (* Par III.)				
	Breakeven Price (\$ Per lb.) Operating Costs		\$1.40		
	Over Fixed Costs		\$1.40 \$1.01	_	
	Over Total Costs		\$2.40	<u>-</u>	
	Breakeven Yield (lbs)			_	
	Over Operating Costs		1,508		
	Over Fixed Costs		1,086	_	
	Over Total Costs		2,594	_	
	Breakeven Yield Risk Ratio		2.08		
	(Yield per acre/BE Yield)		2.00	_	
	(

^{1.} The cost of establishing the crop of \$10805.57, includes the pre plant and planting years, was amortized over \$3722.09 Note: This budget is only a guide and is not intended as an in depth study of the cost of production of this industry. Interpretation and utilization of this information is the responsibility of the user.

			Strawberry Planting
	Transplanting		
	Rate	Plant Cost	Cost per
	(plants/ac)	(per plant)	Acre
Strawberry Plants	8,000	\$0.28	\$2,240

		Fertilizer
Fortilinas Tura	Bulk Price	Actual Nutrient
<u>Fertilizer Type</u>	<u>\$/tonne</u>	<u>\$/Ib</u>
Nitrogen: (urea) 46-0-0	\$900	\$0.89
Phosphorus: 11-52-0	\$1,250	\$0.90
Potash: 0-0-60	\$650	\$0.49
Sulphur: 20.5-0-0-24	\$850	\$0.85

Amount of Actual Pounds of Elements Applied Per Acre

	Nitrogen	Pho	osphorus		Potash	S	ulphur		Total
<u>Crop</u>	<u>lbs</u>	\$/acre	<u>lbs</u>	<u>\$/acre</u>	<u>lbs</u>	\$/acre	<u>lbs</u>	\$/acre	\$/acre
Strawberry Planting	70	\$31.98	100	\$109.04	30	\$14.74	15	\$24.10	\$179.86
Strawberry Picking	150	\$125.58	20	\$21.81	30	\$14.74	5	\$8.03	\$170.16

			Cro	o Protection
		Disease	Insect	
	Weed Control	Control	Control	Total Cost
	<u>\$/ac</u>	<u>\$/ac</u>	\$/ac	<u>\$/ac</u>
Planting	\$120	\$0	\$0	\$120.00
Picking	\$180	\$80	\$6	\$266.00

Note:

Pre-emergent burn off is not included in weed control costs.

Chemical costs do not include year end rebates or bundling discounts.

Disease Control costs do not include custom application costs.

	Crop Rotat	tions and Yields
	Crop Rotation and Yi	elds
	<u>Year</u>	lbs/acre
Planting Year	1	
1st Picking	2	6,600
2nd Picking	3	5,500
3rd Picking	4	<u>4,000</u>
	Total Yield (lbs/acre)	16,100
	Average Yield (lbs/acre)	5,367
	Market Price per Pound	\$5.00

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		O	perating Cos	ts				
Interest Rate on Operating		7.00%						
Land Taxes (\$/acre)		\$20.00						
Labour rate (\$/hour)		\$20.00						
Machinery Operating (\$/acre	e)	\$25.00						
Cost per round bale of straw	-,	\$70.00						
Fuel Cost (\$/litre)		\$1.10						
		Fie	eld Fuel Usa	ge				
	Times	Width	Speed	Tractor	Fuel	Capacity	Time	Maint
<u>Operation</u>	<u>Over</u>	Feet	MPH	<u>HP</u>	Per Acre	Ac/Hr	Hr./Ac.	& Lub
Planting	1	5	1	50	\$20.63	0.50	2.00	2.06
Cultivate	3	5	5	50	\$12.38	2.50	1.20	1.24
Spray	1	25	4	50	\$1.03	10.00	0.10	0.10
Straw Spreading	1	5	2	100	\$20.63	1.00	1.00	2.06
onaw oproduing		lishment Field O	-		\$54.66	1.00	1.00	2.00
Straw removal	1	5	5	50	\$4.13	2.50	0.40	0.41
Spray	5	25	4	50	\$5.16	10.00	0.50	0.52
Mowing	1	5	5	50 50	\$4.13	2.50	0.30	0.32
•	2		3					
Rototilling		5		50	\$13.75	1.50	1.33	1.38
Fertilizer	2	40	7	50	\$0.74	28.00	0.07	0.07
Straw Spreading	1	5	2 	100	\$20.63	1.00	1.00	2.06
	lotai	Picking Field O		• • •	\$48.52			
Industrian Food Ocean			rigation Cos	τ				
Irrigation Fuel Costs		<u>Establishment</u>	Picking					
Inches water applied		3	12					
Hours/acre for 1" of water		4	4					
Hourly pumping costs		<u>\$1.33</u>	<u>\$1.33</u>					
	Total Cost (\$/acre)	\$15.96	\$63.84					
			_abour Cost					
		Hou	rs Required pe	er Acre			-	
		De-		Straw	Field	U-Pick	Total	Total
	Weed Control	blossoming	Irrigation	Spreading	Operation	Operation	Hours	(\$/acre)
Establishment	30	8	6	5	4.3	0	53.3	\$1,066.00
Picking	30	0	6	5	3.7	42	86.7	\$1,734.00
		Miso	ellaneous C	ost				
Plant (total \$)		\$750.00						
Advertising (total \$)		\$500.00						
Utilities (total \$)		\$1,150.00						
Pails/Baskets (\$/each)	\$0.75	\$805.05						
Straw bales per acre	3	\$2,100.00						
Other Cests (Classe)	¢47.75	¢477.50						

		Miscellaneous Cost	
Plant (total \$)		\$750.00	
Advertising (total \$)		\$500.00	
Utilities (total \$)		\$1,150.00	
Pails/Baskets (\$/each)	\$0.75	\$805.05	
Straw bales per acre	3	\$2,100.00	
Other Costs (\$/acre)	\$17.75	\$177.50	
Washrooms (total \$)		\$300.00	
Total Miscellaneous Cost	(\$/10 acres)	\$5,782.55	
Total Miscellaneous Cost	(\$/acre)	\$578.26	

	Repairs 8	Maintenance	Cost			
% rate of investment	1.50%					
Total Repair & Maintenance Costs	\$378.26					
	Rental ar	d Custom Cha	arges			
Rental & Custom Charges	Seeding	Application	<u>Harvest</u>	General	<u>Total</u>	
Establishment	-	-	-	-	\$0.00	
Picking	_	-	-	-	\$0.00	

Crop & Hail Insurance

Crop Insurance

Establishment \$65 Hail Insurance \$280.00

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			Fixed	Costs			
Land				Machinery			
Average Land Value		\$5,000		Total Investment (\$/acre)	\$14,018		
Strawberry Acres		10		Residual Value (End of Useful Life)	25%		
Owned Land Equity		30%		Useful Life (years)	15		
Land Financed		70%		Owned Equipment Equity	20%		
Land Opportunity Cost		1.50%		Equipment Financed	80%		
Land cost (\$/acre)				Machinery Opportunity Cost	1.50%		
Finance Rate & Term	6.00%		Years	Machinery Cost (\$/acre)			
Principal & Interest Cost		\$305.15		Finance Rate & Term	7.00%		Years
Owned Land Opportunity Cost		\$22.50		Principal & Interest Cost	\$2,080.79		
Total Cost		\$327.65		Machinery Depreciation Cost	\$700.88		
				Owned Machinery Opportunity Cost	\$168.21		
Strawberry Establishment				Total Cost	\$2,949.88		
Establishment cost (\$/acre)		\$10,806			·		
Strawberry Acres		10		Storage & Irrigation			
Establishment Equity		10%		Total Investment Storage (\$/ac)	\$8,200		
Establishment Financed (\$9,725	per acre)	90%		Total Investment Irrigation (\$/ac)	\$3,000		
Establishment Opportunity Cost		1.50%		Residual Value (End of Useful Life)	25%		
Establishment cost (\$/acre)	(investment reate)	1.0070		Useful Life Storage (years)	20		
Finance Rate & Term	7.000%	9	Years	Useful Life Irrigation (years)	15		
Principle & Interest Cost	7.000 /6	\$3,705.88		Owned S & I Equity	20%		
		\$3,705.88 \$16.21		S & I Financed	20% 80%		
Owned Land Opportunity Cost							
Total Cost		\$3,722.09		S & I Opportunity Cost	1.50%		
				Storage & Irrigation Cost (\$/acre)	7.0007	_	. V
				Finance Rate & Term	7.00%		Years
				Principal & Interest Cost	\$1,662.56		
				Storage Depreciation Cost	\$307.50		
				Irrigation Depreciation Cost	\$150.00		
				Owned S & I Opportunity Cost	<u>\$33.60</u>		
Total Debt (\$/acre)		\$33,399.40		Total Cost	\$2,153.66		
			Chavava	& Irrigation			
		Strawberry	Strawberry	x irrigation			
	Market Value	Usage %	Allocation				
Storage Shed	\$60,000	90%	\$54,000				
Cooler		100%	. ,				
	\$10,000		\$10,000				
Booth	\$3,000	100%	\$3,000				
Miscellaneous	\$15,000	100% 100%	\$15,000				
Irrigation Equipment	\$30,000						
		100 /0					
Storage & Irrigation TOTAL	\$118,000	100 /6	\$112,000				
Storage & Irrigation Total per acre		100 /6					
	\$118,000		\$112,000 \$11,200	y and Current Values			
	\$118,000	Equipn	\$112,000 \$11,200 nent Inventor	y and Current Values			
Storage & Irrigation Total per acre	\$118,000 \$11,800	Equipn Strawberry	\$112,000 \$11,200 nent Inventor				Strawberry
Storage & Irrigation Total per acre	\$118,000 \$11,800 Market Value	Equipn Strawberry Usage %	\$112,000 \$11,200 nent Inventor Strawberry Allocation	y and Current Values Harvest Equipment	Market Value	Usage %	Allocation
Storage & Irrigation Total per acre Power Equipment Tractor - 50 HP	\$118,000 \$11,800 Market Value \$60,000	Equipn Strawberry Usage % 100%	\$112,000 \$11,200 nent Inventor Strawberry Allocation \$60,000		\$0	Usage % 0%	Allocation \$0
Storage & Irrigation Total per acre	\$118,000 \$11,800 Market Value	Equipm Strawberry Usage % 100% 33%	\$112,000 \$11,200 nent inventor Strawberry Allocation \$60,000 \$33,000		\$0 \$0	Usage % 0% 0%	Allocation \$0 \$0
Storage & Irrigation Total per acre Power Equipment Tractor - 50 HP	\$118,000 \$11,800 Market Value \$60,000 \$100,000	Equipn Strawberry Usage % 100% 33% 0%	\$112,000 \$11,200 lent Inventor Strawberry Allocation \$60,000 \$33,000 \$0		\$0 \$0 \$0	Usage % 0% 0% 0%	Allocation \$0 \$0
Power Equipment Tractor - 50 HP Tractor - 100 HP	\$118,000 \$11,800 Market Value \$60,000 \$100,000 \$0	Equipm Strawberry Usage % 100% 33%	\$112,000 \$11,200 nent Inventor Strawberry Allocation \$60,000 \$33,000 \$0 \$0	Harvest Equipment	\$0 \$0 \$0 \$0	Usage %	Allocation \$0 \$0 \$0 \$0
Storage & Irrigation Total per acre Power Equipment Tractor - 50 HP	\$118,000 \$11,800 Market Value \$60,000 \$100,000	Equipn Strawberry Usage % 100% 33% 0%	\$112,000 \$11,200 lent Inventor Strawberry Allocation \$60,000 \$33,000 \$0		\$0 \$0 \$0	Usage %	Allocation \$0 \$0
Power Equipment Tractor - 50 HP Tractor - 100 HP	\$118,000 \$11,800 Market Value \$60,000 \$100,000 \$0	Equipm Strawberry Usage % 100% 33% 0% 0%	\$112,000 \$11,200 nent Inventor Strawberry Allocation \$60,000 \$33,000 \$0 \$93,000	Harvest Equipment	\$0 \$0 \$0 \$0	Usage %	Allocation \$0 \$0 \$0 \$0 \$0
Power Equipment Tractor - 50 HP Tractor - 100 HP Total Inventory	\$118,000 \$11,800 Market Value \$60,000 \$100,000 \$0 \$160,000	Equipn Strawberry Usage % 100% 33% 0% 0% Strawberry	\$112,000 \$11,200 nent Inventor Strawberry Allocation \$60,000 \$33,000 \$0 \$0 \$93,000 Strawberry	Harvest Equipment Total Inventory	\$0 \$0 \$0 \$0 \$0	Usage %	Allocation \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0
Power Equipment Tractor - 50 HP Tractor - 100 HP Total Inventory Seeding & Tillage	\$118,000 \$11,800 Market Value \$60,000 \$100,000 \$0 \$160,000	Equipm Strawberry Usage % 100% 33% 0% 0% Strawberry Usage %	\$112,000 \$11,200 nent Inventor Strawberry Allocation \$60,000 \$33,000 \$0 \$93,000 Strawberry Allocation	Harvest Equipment Total Inventory Spraying & Misc.	\$0 \$0 \$0 \$0 \$0 Market Value	Usage % 0% 0% 0% 0% Strawberry Usage %	Allocation \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10 \$10 \$10 \$10 \$1
Power Equipment Tractor - 50 HP Tractor - 100 HP Total Inventory Seeding & Tillage Planter	\$118,000 \$11,800 Market Value \$60,000 \$100,000 \$0 \$160,000 Market Value \$5,000	Equipm Strawberry Usage % 100% 33% 0% 0% Strawberry Usage % 100%	\$112,000 \$11,200 nent Inventor Strawberry Allocation \$60,000 \$33,000 \$0 \$93,000 Strawberry Allocation \$5,000	Total Inventory Spraying & Misc. Sprayer - 25 ft	\$0 \$0 \$0 \$0 \$0 Market Value \$10,000	Usage %	Allocation \$0 \$0 \$0 \$0 \$0 \$0 \$0 Strawberry Allocation \$10,000
Power Equipment Tractor - 50 HP Tractor - 100 HP Total Inventory Seeding & Tillage Planter Rotovator	\$118,000 \$11,800 Market Value \$60,000 \$100,000 \$0 \$160,000 Market Value \$5,000 \$8,000	Equipm Strawberry Usage % 100% 33% 0% 0% Strawberry Usage % 100% 90%	\$112,000 \$11,200 ent Inventor Strawberry Allocation \$60,000 \$33,000 \$0 \$0 \$93,000 Strawberry Allocation \$5,000 \$7,200	Total Inventory Spraying & Misc. Sprayer - 25 ft Straw spreader	\$0 \$0 \$0 \$0 \$0 \$0 \$0 Market Value \$10,000 \$39,500	Usage %	Allocation \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 Strawberry Allocation \$10,000 \$9,875
Power Equipment Tractor - 50 HP Tractor - 100 HP Total Inventory Seeding & Tillage Planter	\$118,000 \$11,800 Market Value \$60,000 \$100,000 \$0 \$160,000 Market Value \$5,000 \$8,000 \$1,500	Equipn Strawberry Usage % 100% 33% 0% 0% Strawberry Usage % 100% 90% 90%	\$112,000 \$11,200 nent Inventor Strawberry Allocation \$60,000 \$33,000 \$0 \$9 \$93,000 Strawberry Allocation \$5,000 \$7,200 \$1,350	Harvest Equipment Total Inventory Spraying & Misc. Sprayer - 25 ft Straw spreader Fertilizer Spreader	\$0 \$0 \$0 \$0 \$0 \$0 \$0 Market Value \$10,000 \$39,500 \$40,000	Usage %	Allocation \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$9,875 \$10,000
Power Equipment Tractor - 50 HP Tractor - 100 HP Total Inventory Seeding & Tillage Planter Rotovator	\$118,000 \$11,800 Market Value \$60,000 \$100,000 \$0 \$160,000 Market Value \$5,000 \$8,000 \$1,500 \$0	Equipm Strawberry Usage %	\$112,000 \$11,200 nent Inventor Strawberry Allocation \$60,000 \$33,000 \$0 \$9 \$93,000 Strawberry Allocation \$5,000 \$7,200 \$1,350 \$0	Total Inventory Spraying & Misc. Sprayer - 25 ft Straw spreader	\$0 \$0 \$0 \$0 \$0 \$0 \$0 Market Value \$10,000 \$39,500 \$40,000 \$5,000	Usage %	Allocation \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 Strawberry Allocation \$10,000 \$9,875 \$10,000 \$3,750
Power Equipment Tractor - 50 HP Tractor - 100 HP Total Inventory Seeding & Tillage Planter Rotovator Cultivator	\$118,000 \$11,800 Market Value \$60,000 \$100,000 \$0 \$160,000 Market Value \$5,000 \$8,000 \$1,500 \$0	Equipn Strawberry Usage % 100% 33% 0% 0% Strawberry Usage % 100% 90% 90%	\$112,000 \$11,200 111,200 111,200 111,200 112,200 113	Total Inventory Spraying & Misc. Sprayer - 25 ft Straw spreader Fertilizer Spreader Mower	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$39,500 \$40,000 \$5,000	Usage %	Allocation \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$9,875 \$10,000 \$3,750 \$3,750
Power Equipment Tractor - 50 HP Tractor - 100 HP Total Inventory Seeding & Tillage Planter Rotovator	\$118,000 \$11,800 Market Value \$60,000 \$100,000 \$0 \$160,000 Market Value \$5,000 \$8,000 \$1,500 \$0	Equipm Strawberry Usage %	\$112,000 \$11,200 nent Inventor Strawberry Allocation \$60,000 \$33,000 \$0 \$9 \$93,000 Strawberry Allocation \$5,000 \$7,200 \$1,350 \$0	Harvest Equipment Total Inventory Spraying & Misc. Sprayer - 25 ft Straw spreader Fertilizer Spreader	\$0 \$0 \$0 \$0 \$0 \$0 \$0 Market Value \$10,000 \$39,500 \$40,000 \$5,000	Usage %	Allocation \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$9,875 \$10,000
Power Equipment Tractor - 50 HP Tractor - 100 HP Total Inventory Seeding & Tillage Planter Rotovator Cultivator Total Inventory	\$118,000 \$11,800 \$11,800 Market Value \$60,000 \$100,000 \$0 \$160,000 Market Value \$5,000 \$8,000 \$1,500 \$0 \$14,500	Equipm Strawberry Usage %	\$112,000 \$11,200 \$11,200 Itent Inventor Strawberry Allocation \$0,000 \$33,000 \$0 \$93,000 Strawberry Allocation \$5,000 \$7,200 \$1,350 \$0 \$0 \$13,550	Total Inventory Spraying & Misc. Sprayer - 25 ft Straw spreader Fertilizer Spreader Mower	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$39,500 \$40,000 \$5,000	Usage %	Allocation \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$9,875 \$10,000 \$3,750 \$3,750
Power Equipment Tractor - 50 HP Tractor - 100 HP Total Inventory Seeding & Tillage Planter Rotovator Cultivator Total Inventory Owned Equipment TOTAL	\$118,000 \$11,800 \$111,800 Market Value \$60,000 \$100,000 \$0 \$160,000 Market Value \$5,000 \$8,000 \$1,500 \$0 \$14,500	Equipm Strawberry Usage %	\$112,000 \$11,200 sent Inventor Strawberry Allocation \$60,000 \$33,000 \$0 \$93,000 Strawberry Allocation \$5,000 \$7,200 \$1,350 \$0 \$0 \$13,550	Total Inventory Spraying & Misc. Sprayer - 25 ft Straw spreader Fertilizer Spreader Mower	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$39,500 \$40,000 \$5,000	Usage %	Allocation \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$9,875 \$10,000 \$3,750 \$3,750
Power Equipment Tractor - 50 HP Tractor - 100 HP Total Inventory Seeding & Tillage Planter Rotovator Cultivator Total Inventory	\$118,000 \$11,800 \$11,800 Market Value \$60,000 \$100,000 \$0 \$160,000 Market Value \$5,000 \$8,000 \$1,500 \$0 \$14,500	Equipm Strawberry Usage %	\$112,000 \$11,200 \$11,200 Itent Inventor Strawberry Allocation \$0,000 \$33,000 \$0 \$93,000 Strawberry Allocation \$5,000 \$7,200 \$1,350 \$0 \$0 \$13,550	Total Inventory Spraying & Misc. Sprayer - 25 ft Straw spreader Fertilizer Spreader Mower	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$39,500 \$40,000 \$5,000	Usage %	Allocation \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$9,875 \$10,000 \$3,750 \$3,750
Power Equipment Tractor - 50 HP Tractor - 100 HP Total Inventory Seeding & Tillage Planter Rotovator Cultivator Total Inventory Owned Equipment TOTAL	\$118,000 \$11,800 \$111,800 Market Value \$60,000 \$100,000 \$0 \$160,000 Market Value \$5,000 \$8,000 \$1,500 \$0 \$14,500	Equipm Strawberry Usage % 100% 33% 0% 0% Strawberry Usage % 100% 90% 90% 0% 0%	\$112,000 \$11,200 111,200 111,200 111,200 111,200 111,200 110,000 110	Total Inventory Spraying & Misc. Sprayer - 25 ft Straw spreader Fertilizer Spreader Mower	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$39,500 \$40,000 \$5,000	Usage %	Allocation \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$9,875 \$10,000 \$3,750 \$3,750
Power Equipment Tractor - 50 HP Tractor - 100 HP Total Inventory Seeding & Tillage Planter Rotovator Cultivator Total Inventory Owned Equipment TOTAL	\$118,000 \$11,800 \$11,800 \$111,800 \$60,000 \$100,000 \$0 \$160,000 Market Value \$5,000 \$8,000 \$1,500 \$0 \$14,500 \$252,175 \$25,217.50	Equipm Strawberry Usage % 100% 33% 0% 0% Strawberry Usage % 100% 90% 90% 0% 0%	\$112,000 \$11,200 \$11,200 Ient Inventor Strawberry Allocation \$60,000 \$33,000 \$0 \$93,000 Strawberry Allocation \$5,000 \$7,200 \$1,350 \$0 \$13,550 \$140,175 \$140,175 \$140,175	Total Inventory Spraying & Misc. Sprayer - 25 ft Straw spreader Fertilizer Spreader Mower Total Inventory	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$39,500 \$40,000 \$5,000	Usage %	Allocation \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$9,875 \$10,000 \$3,750 \$3,750
Power Equipment Tractor - 50 HP Tractor - 100 HP Total Inventory Seeding & Tillage Planter Rotovator Cultivator Total Inventory Owned Equipment TOTAL	\$118,000 \$11,800 \$111,800 Market Value \$60,000 \$100,000 \$0 \$160,000 Market Value \$5,000 \$8,000 \$1,500 \$0 \$14,500	Equipm Strawberry Usage % 100% 33% 0% 0% Strawberry Usage % 100% 90% 90% 0% 0%	\$112,000 \$11,200 111,200 111,200 111,200 111,200 111,200 110,000 110	Total Inventory Spraying & Misc. Sprayer - 25 ft Straw spreader Fertilizer Spreader Mower Total Inventory	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$39,500 \$40,000 \$5,000	Usage %	Allocation \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10 \$10,000 \$9,875 \$10,000 \$3,750 \$3,750
Storage & Irrigation Total per acre Power Equipment Tractor - 50 HP Tractor - 100 HP Total Inventory Seeding & Tillage Planter Rotovator Cultivator Total Inventory Owned Equipment TOTAL Owned Equipment TOTAL / acre	\$118,000 \$11,800 \$11,800 \$111,800 \$60,000 \$100,000 \$0 \$160,000 Market Value \$5,000 \$8,000 \$1,500 \$0 \$14,500 \$252,175 \$25,217.50	Equipm Strawberry Usage % 100% 33% 0% 0% Strawberry Usage % 100% 90% 90% 0% 0%	\$112,000 \$11,200 \$11,200 Ient Inventor Strawberry Allocation \$60,000 \$33,000 \$0 \$93,000 Strawberry Allocation \$5,000 \$7,200 \$1,350 \$0 \$13,550 \$140,175 \$140,175 \$140,175	Total Inventory Spraying & Misc. Sprayer - 25 ft Straw spreader Fertilizer Spreader Mower Total Inventory	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$39,500 \$40,000 \$5,000	Usage %	Allocation \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$9,875 \$10,000 \$3,750 \$3,750
Storage & Irrigation Total per acre Power Equipment Tractor - 50 HP Tractor - 100 HP Total Inventory Seeding & Tillage Planter Rotovator Cultivator Total Inventory Owned Equipment TOTAL Owned Equipment TOTAL / acre	\$118,000 \$11,800 \$111,800 Market Value \$60,000 \$100,000 \$160,000 Market Value \$5,000 \$8,000 \$1,500 \$0 \$14,500 \$252,175 \$25,217.50	Equipm Strawberry Usage % 100% 33% 0% 0% Strawberry Usage % 100% 90% 90% 0% 0% Leased Equipm Strawberry Usage %	\$112,000 \$11,200 111,200 111,200 112,200 113,200 113,300 113,300 113,300 113,50 113,50 113,50 1140,175 1140,175 114,018 115,000 115,000 116,000 117,000 117,000 118,	Total Inventory Spraying & Misc. Sprayer - 25 ft Straw spreader Fertilizer Spreader Mower Total Inventory	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$39,500 \$40,000 \$5,000	Usage %	Allocation \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$9,875 \$10,000 \$3,750 \$3,750
Storage & Irrigation Total per acre Power Equipment Tractor - 50 HP Tractor - 100 HP Total Inventory Seeding & Tillage Planter Rotovator Cultivator Total Inventory Owned Equipment TOTAL Owned Equipment TOTAL / acre	\$118,000 \$11,800 \$111,800 Market Value \$60,000 \$100,000 \$0 \$160,000 Market Value \$5,000 \$8,000 \$1,500 \$0 \$14,500 \$252,175 \$25,217.50	Equipn Strawberry Usage % 100% 33% 0% 0% 0% Strawberry Usage % 100% 90% 90% 0% Characteristics Strawberry Usage % 0%	\$112,000 \$11,200 \$11,200 Inent Inventor Strawberry Allocation \$0,000 \$33,000 \$0 \$93,000 Strawberry Allocation \$7,200 \$1,350 \$0 \$13,550 \$140,175 \$14,018 Lipment Inve	Total Inventory Spraying & Misc. Sprayer - 25 ft Straw spreader Fertilizer Spreader Mower Total Inventory	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$39,500 \$40,000 \$5,000	Usage %	Allocation \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$9,875 \$10,000 \$3,750 \$3,750
Storage & Irrigation Total per acre Power Equipment Tractor - 50 HP Tractor - 100 HP Total Inventory Seeding & Tillage Planter Rotovator Cultivator Total Inventory Owned Equipment TOTAL Owned Equipment TOTAL / acre	\$118,000 \$111,800 \$111,800 Market Value \$60,000 \$100,000 \$0 \$160,000 Market Value \$5,000 \$1,500 \$0 \$1,500 \$1,500 \$252,175 \$252,175 \$25,217.50	Equipm Strawberry Usage % 100% 33% 0% 0% Strawberry Usage % 100% 90% 90% 0% Leased Equipm Strawberry Usage % 0% 0%	\$112,000 \$11,200 \$11,200 Inent Inventor Strawberry Allocation \$60,000 \$33,000 \$0 \$93,000 Strawberry Allocation \$5,000 \$7,200 \$1,350 \$0 \$140,175 \$14,018 Lipment Inve Strawberry Allocation	Total Inventory Spraying & Misc. Sprayer - 25 ft Straw spreader Fertilizer Spreader Mower Total Inventory	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$39,500 \$40,000 \$5,000	Usage %	Allocation \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000 \$9,875 \$10,000 \$3,750 \$3,750

Note: This budget is only a guide and is not intended as an in depth study of the cost of production of this industry. Interpretation and utilization of this information is the responsibility of the user.

Strawberry Production in Manitoba

The projected strawberry production costs in this publication have been prepared to assist you in developing your own production costs.

The capital and cash input costs associated with growing strawberries in Manitoba are substantial. Detailed planning is necessary when budgeting for capital expenditures and also for the annual operating costs. The importance of good financial planning is evident by noting the large capital required for 1 acre of strawberries is significant.

Commercial strawberry production in Manitoba has been an important part of diversification in the province. The majority of the strawberry farms are on a U-Pick basis; but custom picking of the crop has increased over the past few years.

Strawberries are an intensely managed crop that require precise timing. Yield and quality achieved during the short 3 - 4 week picking season hinge on timely management practices of the previous year, as well as care and maintenance before picking. Growers entering the industry need these basic requirements: (1) suitable land with adequate drainage and shelterbelts, (2) access to an adequate quantity and quality of water for irrigation, (3) financial resources that permit a significant level of investment on infrastructure and input costs, (4) the ability to apply intensive management skills to the crop in a precisely timed manner, (5) the ability to determine market potential, and (6) the willingness to accept risk.

It is advised that new growers should proceed on a small but graduated scale. A complete assessment of the customer base and marketing opportunities needs to be completed prior to planting the first crop of strawberries.

Other Assumptions

Fuel Costs: Includes fuel used for field work, trucking in inputs and trucking out production.

Machinery Operating Costs: Includes costs for maintenance, repairs, licenses and insurance.

Crop Insurance:

Establishment coverage is available through MASC

Hail insurance coverage insured value based on MASC Risk Areas 2, 5, 6, & 12.

Other Costs: Includes overhead expenses - hydro, telephone, accounting, buildings, supplies and insurance, etc.

Land Taxes: The average cost based on land tax assessment and mill rates of a sample of municipalities growing crops less provincial tax rebate.

Interest On Operating: Interest charges on operating costs are calculated at 7% for six months.

Land Cost:

Based on approximate average land values. Budget assumed 70% financed at 6% for 20 years, plus 1.5% land equity opportunity cost.

Budget can be used to estimate cashflow by removing investment cost.

P&I Cost (based on \$35,000 Mortgage) = \$3,051 payments per year) / 10 acres = \$305.15/acre)

Investment = (Total Investment x Owned Equity %) x Investment Rate % (eg. ((\$5,000 x 30%) x 1.5%) = \$22.50/acre)

Machinery Cost:

Based on approximate average machinery values. Budget assumed 80% financed at 7% for 7 years, depreciation costs over 15 years with a 25% residual value, plus 1.5% machinery equity opportunity cost. Budget can be used to estimate cashflow by removing depreciation and investment cost.

P&I Cost (based on \$201,740 Loans) = \$20,808 payments per year) / 10 acres = \$2080.79/acre)

Depreciation (Useage Cost) = (Total Investment - Residual Value) / Years Useful Life (eg. (\$14017.5 - (\$14017.5 x 25%)) / 15 = \$700.88/acre)

Investment = (Total Investment x Owned Equity %) x Investment Rate % (eg. (\$14017.5 x 20%) x 1.5%) = \$168.21/acre)

Depreciation Cost = Original Cost - Salvage Value

Useful Life

Investment Cost = Original Cost + Salvage Value x Investment Rate

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Estimated Farmgate Values:

Target crop prices are based on \$5 value per pound sold.

Target crop yields are based on historical yield from Manitoba crop average of 5,367 lbs/ac.

Plant Costs:

Plant cost based on Prairie Fruit Growers Association member plant discount price.

Miscellaneous Costs:

Includes: plant costs, advertising, utilities, pails/baskets, portable washrooms, and rental & custom charges.

Profitability, Breakeven & Risk Analysis Formulas:

Gross Revenue = Price per unit x Yield per acre (eg. picking years: \$5.00/lbs x 5400lbs/ac = \$27000.00/ac)

Net Profit = Gross Revenue - Total Cost (eg. picking years: \$27000.00 gross revenue - \$12972.32 total cost = \$14027.68 per acre)

Operating Expense Ratio = (Operating Cost / Gross Revenue) x 100 (eg. picking years: \$7541.14 operating expense / \$27000.00 total cost = 27.9%)

Breakeven Price = Cost / Target Yield (eg. picking years: \$12972.32 / 5400 lbs = \$2.40 per lbs)

Breakeven Yield = Cost / Price per Unit (eg. picking years: \$12972.32 / \$5.00 lbs = 2594.0 lbs)

Breakeven Yield Risk Ratio = (Yield per Acre / Breakeven Yield) x 100 (eg. picking years: 5400 lbs/ac / 2594.0 bu BE = 208%)

June, 2025

Contact Us

For more information, contact a Farm Management Specialist.

- manitoba.ca/agriculture
- mbfarmbusiness@gov.mb.ca
- 1-844-769-6224



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