

## GRAIN DRYERS

New Cost	Average size	Annual Hours	Fixed Costs	Repairs & Maint.	Margin @ 15 %	Rental Rate	Power* Cost	Labour Cost	Custom Rate	Propane Cost** (see bottom of table)
			dollars per hour							
\$25,000		100	21.65	3.75	3.81	29.21	1.13	11.00	41.33	
		150	14.43	3.75	2.73	20.91	1.13	11.00	33.03	
		200	10.82	3.75	2.19	16.76	1.13	11.00	28.88	
\$30,000	250 bu. Recir. batch	100	25.98	4.50	4.57	35.05	1.35	11.00	47.40	
		150	17.32	4.50	3.27	25.09	1.35	11.00	37.44	
		200	12.99	4.50	2.62	20.11	1.35	11.00	32.46	
\$35,000	Stationary Batch (180 bu.)	100	30.31	5.25	5.33	40.89	1.58	11.00	53.46	
		150	20.20	5.25	3.82	29.27	1.58	11.00	41.85	
		200	15.15	5.25	3.06	23.46	1.58	11.00	36.04	
\$40,000	350 bu. Recir. Batch	100	34.64	6.00	6.10	46.73	1.80	11.00	59.53	
		150	23.09	6.00	4.36	33.45	1.80	11.00	46.25	
		200	17.32	6.00	3.50	26.82	1.80	11.00	39.62	
\$45,000	450 bu. Recir. Batch Small Cont. Flow	100	38.97	6.75	6.86	52.57	2.03	11.00	65.60	
		150	25.98	6.75	4.91	37.64	2.03	11.00	50.66	
		200	19.48	6.75	3.93	30.17	2.03	11.00	43.19	
\$50,000	Stationary Batch (250 bu.)	100	43.30	7.50	7.62	58.41	2.25	11.00	71.66	
		150	28.86	7.50	5.45	41.82	2.25	11.00	55.07	
		200	21.65	7.50	4.37	33.52	2.25	11.00	46.77	
\$55,000		100	47.62	8.25	8.38	64.26	2.48	11.00	77.73	
		150	31.75	8.25	6.00	46.00	2.48	11.00	59.47	
		200	23.81	8.25	4.81	36.87	2.48	11.00	50.35	
\$60,000	Med. Cont. Flow	100	51.95	9.00	9.14	70.10	2.70	11.00	83.80	
		150	34.64	9.00	6.55	50.18	2.70	11.00	63.88	
		200	25.98	9.00	5.25	40.22	2.70	11.00	53.92	
\$65,000		100	56.28	9.75	9.91	75.94	2.93	11.00	89.86	
		150	37.52	9.75	7.09	54.36	2.93	11.00	68.29	
		200	28.14	9.75	5.68	43.58	2.93	11.00	57.50	
\$70,000	Stationary Batch (400 bu.)	100	60.61	10.50	10.67	81.78	3.15	11.00	95.93	
		150	40.41	10.50	7.64	58.54	3.15	11.00	72.69	
		200	30.31	10.50	6.12	46.93	3.15	11.00	61.08	
\$75,000	Large Cont. Flow	100	64.94	11.25	11.43	87.62	3.38	11.00	102.00	
		150	43.30	11.25	8.18	62.73	3.38	11.00	77.10	
		200	32.47	11.25	6.56	50.28	3.38	11.00	64.65	
\$80,000		100	69.27	12.00	12.19	93.46	3.60	11.00	108.06	
		150	46.18	12.00	8.73	66.91	3.60	11.00	81.51	
		200	34.64	12.00	7.00	53.63	3.60	11.00	68.23	

New Cost should include dryer and associated grain handling equipment. Wet/dry surge and cooling bins should not be included.

\*Power costs include hydro costs for dryer operation. If tractor driven, use tractor cost (plus fuel) and hydro costs for load/unload augers.

### Propane Costs:

\*\*Propane costs will vary greatly depending upon ambient air temperature, drying temperature, grain type, moisture removed, dryer type, etc.

**Actual propane consumption** should be used in determining costs. For approximate costs, use chart below with appropriate ambient temperature correction factor. Costs assume propane at \$0.70 per litre and a drying air temperature of 65 degrees C.

	2.5% moisture removal	5.5% moisture removal
Wheat/Barley	\$0.12 per bu.(w.b.)*	\$0.21 per bu.(w.b.)*
Oilseeds	\$0.08 per bu.(w.b.)*	\$0.14 per bu.(w.b.)*

\*wet bushels

**Note:** Costs shown assume an ambient air temperatures of 15 degrees C.

For lower ambient air temperatures, multiply propane cost by the following factors:

15 degrees C = 1.0

-7 degrees C = 1.5

-30 degrees C = 2.0

Sample calculation shown in Appendix, page 33.