

Midwest Dairy Cow Annual Budget- Freestall April 2017
Large Breed Dairy Cow Including Replacements Producing
20,000 lbs. & 24,000 lbs. of Grade A Milk

	\$\$ Value			\$\$ Value		
I. RECEIPTS						
1. Components:	200 cwt.			240 cwt.		
a. Butterfat	762 lbs.	2.3548 \$/lb.	\$1,794.36	914.4 lbs.	2.3548 \$/lb.	\$2,153.23
b. Protein	630 lbs.	1.6995 \$/lb.	\$1,070.69	756 lbs.	1.6995 \$/lb.	\$1,284.82
c. Other Solids	1154 lbs.	0.335 \$/lb.	\$386.59	1384.8 lbs.	0.335 \$/lb.	\$463.91
d. Producer Price Differential		0.2 \$/cwt.	\$40.00		0.2 \$/cwt.	\$48.00
e. Quality	200,000 SCC	0.00075 \$/thousand	\$0.150000	200,000 SCC	0.00075 \$/thousand	\$0.150000
f. Protein Premium		0 \$/lb.	\$0.00		0 \$/lb.	\$0.00
g. Volume		0.185 \$/cwt.	\$37.00		0.185 \$/cwt.	\$44.40
2. Capital Payout		0 \$/cwt.	\$0.00		0 \$/cwt.	\$0.00
3. Cull/cow (a)	0.36 head	\$750.00 per hd.	\$270.00	0.39 head	\$750.00 per hd.	\$292.50
4. Dairy calf	0.51 head	\$190.00 per hd.	\$96.90	0.52 head	\$190.00 per hd.	\$98.80
5. Replacement heifer calf	0.18 head	\$220.00 per hd.	\$39.60	0.21 head	\$220.00 per hd.	\$46.20
6. MPP-Dairy payment		\$0.0000 \$/cwt.	\$0.00		\$0.0000	\$0.00
GROSS RECEIPTS			\$3,735.28			\$4,432.01
II. VARIABLE COSTS						
A. FEED COSTS (b)	<u>Price/Unit</u>	<u>Amount</u>	<u>\$\$ Value</u>	<u>Amount</u>		<u>\$\$ Value</u>
1. Corn equivalents	\$3.32 per bu.	104.38 bu.	\$346.54	112.91 bu.		\$374.86
2. Corn Silage	\$33.20 per ton	8.04 tons	\$266.93	7.99 tons		\$265.27
3. Hay equivalents	\$150.00 per ton	6.09 tons	\$913.50	6.03 tons		\$904.50
4. Salts and minerals	\$0.14 per lb.	241.97 lbs.	\$33.88	323.23 lbs.		\$45.25
5. Protein supplement	\$0.14 per lb.	1284.83 lbs.	\$184.37	1855.08 lbs.		\$266.20
6. Whole (linted) cottonseed	\$0.11 per lb.	724.5 lbs.	\$78.79	1361.25 lbs.		\$148.04
7. Fat	\$0.26 per lb.	26 lbs.	\$6.63	111 lbs.		\$28.31
8. Milk replacer, calf starter			\$65.00			\$44.00
9. Total Feed Costs			\$1,895.64			\$2,076.43
B. LIVESTOCK COSTS			<u>\$\$Value</u>			<u>\$\$Value</u>
1. Milk marketing per cwt.	\$0.30	200 cwt.	\$60.00	\$0.28	240 cwt.	\$66.00
2. Veterinary and Health			\$130.00			\$140.00
3. Fuel, utilities and repairs			\$152.00			\$155.00
4. DHIA & accounting			\$28.00			\$30.00
5. Breeding fees			\$42.00			\$52.00
6. Bedding, supplies and misc.			\$160.00			\$170.00
7. Total Livestock Cost			\$572.00			\$613.00
8. Operating Capital Interest	7%	3 months	\$43.18	3 months		\$47.06
9. Total Variable Costs			\$2,510.82			\$2,736.49
III. FIXED COSTS (c)						
1. Machinery, equipment, facilities			\$310.00			\$340.00
2. Interest & Ins. on Herd	6.00% annually		\$99.90			\$92.40
3. Death Loss	5% \$1,665		\$83.25	5% 1540		\$77.00
4. Total Fixed Cost			\$493.15			\$509.40
IV. TOTAL COST (except for labor and management)	<u>per cwt. (d)</u>		<u>per cow</u>	<u>per cwt. (d)</u>		<u>per cow</u>
	\$13.69		\$3,003.97	\$12.41		\$3,245.89
V. RETURNS	<u>per cwt. (d)</u>		<u>per cow</u>	<u>per cwt. (d)</u>		<u>per cow</u>
1. Gross receipts	\$17.02		\$3,735.28	\$16.94		\$4,432.01
2. Less variable costs	\$11.44		\$2,510.82	\$10.46		\$2,736.49
3. Returns above variable costs	\$5.58		\$1,224.46	\$6.48		\$1,695.52
4. Less fixed costs	\$2.25		\$493.15	\$1.95		\$509.40
5. Returns to labor & management	\$3.33		\$731.31	\$4.53		\$1,186.12
6. Labor cost 45 hrs. @ \$13/hr.	\$2.67		\$585.00	\$2.24		\$585.00
7. Returns to management	\$0.67		\$146.31	\$2.30		\$601.12
VI. BREAK EVEN MILK PRICE (e)						
1. Budget break even per cwt.			\$15.9124			\$14.1391
2. Actual milk price received this month			\$16.6439			\$16.6438