

Ver 1.9 - 11/20/09 Equivalent Price Per Ton of High Moisture Shell Corn

- 1 Enter base moisture content for dry corn (suggested range 14 to 15.5%)
- 2 Enter starting corn price for table
- 3** Water shrink factor (automatically calculated from base moisture) Constant Shrink Factor. Sum of water shrink plus handling loss (per point) (typically between the water shrink factor in 3a and 1.5)
- 3a.
- 3b.
- 4 Enter LP gas price (\$/gal)
- 4a. Enter estimated L.P. gallons to remove 1 point moisture (range 0.0165 - 0.0210) see Table A or Table B
- 5 Enter electricity price (\$/KWH)
- 5a. Enter estimated KWH needed to remove 1 point moisture (range 0.0106 - 0.2910) see Table A or Table B
- 6 Enter shelling costs (\$/cwt)

Equivalent Price/Ton* of: High Moisture Shelled Corn

Jeff Key, Winnebago County Agricultural/Farm Management Agent (Retired) and Gary Frank, Center for Dairy Profitability (Retired)
2009 Revision by: Nick Schneider, Winnebago County Agriculture Agent

Moisture % Wet	lbs Wet Kernels	% Shrink	Dry Bushels	Price per Dry Bushel										
				\$4.10	\$4.20	\$4.30	\$4.40	\$4.50	\$4.60	\$4.70	\$4.80	\$4.90	\$5.00	
15.0	2000	0.00	35.71	\$146.43	\$150.00	\$153.57	\$157.14	\$160.71	\$164.29	\$167.86	\$171.43	\$175.00	\$178.57	
16.0	2000	1.18	35.29	\$143.76	\$147.29	\$150.82	\$154.35	\$157.88	\$161.41	\$164.94	\$168.47	\$172.00	\$175.53	
17.0	2000	2.35	34.87	\$141.12	\$144.61	\$148.10	\$151.58	\$155.07	\$158.56	\$162.05	\$165.53	\$169.02	\$172.51	
18.0	2000	3.53	34.45	\$138.50	\$141.95	\$145.39	\$148.84	\$152.28	\$155.73	\$159.17	\$162.62	\$166.06	\$169.51	
19.0	2000	4.71	34.03	\$135.90	\$139.31	\$142.71	\$146.11	\$149.52	\$152.92	\$156.32	\$159.73	\$163.13	\$166.53	
20.0	2000	5.88	33.61	\$133.33	\$136.69	\$140.05	\$143.41	\$146.77	\$150.13	\$153.50	\$156.86	\$160.22	\$163.58	
21.0	2000	7.06	33.19	\$130.77	\$134.09	\$137.41	\$140.73	\$144.05	\$147.37	\$150.69	\$154.01	\$157.33	\$160.65	
22.0	2000	8.24	32.77	\$128.24	\$131.52	\$134.80	\$138.08	\$141.35	\$144.63	\$147.91	\$151.19	\$154.46	\$157.74	
23.0	2000	9.41	32.35	\$125.74	\$128.97	\$132.21	\$135.44	\$138.68	\$141.91	\$145.15	\$148.38	\$151.62	\$154.85	
24.0	2000	10.59	31.93	\$123.25	\$126.44	\$129.64	\$132.83	\$136.02	\$139.22	\$142.41	\$145.60	\$148.80	\$151.99	
25.0	2000	11.76	31.51	\$120.79	\$123.94	\$127.09	\$130.24	\$133.39	\$136.54	\$139.70	\$142.85	\$146.00	\$149.15	
26.0	2000	12.94	31.09	\$118.35	\$121.46	\$124.57	\$127.67	\$130.78	\$133.89	\$137.00	\$140.11	\$143.22	\$146.33	
27.0	2000	14.12	30.67	\$115.93	\$119.00	\$122.06	\$125.13	\$128.20	\$131.27	\$134.33	\$137.40	\$140.47	\$143.53	
28.0	2000	15.29	30.25	\$113.53	\$116.56	\$119.58	\$122.61	\$125.63	\$128.66	\$131.68	\$134.71	\$137.73	\$140.76	
29.0	2000	16.47	29.83	\$111.16	\$114.14	\$117.13	\$120.11	\$123.09	\$126.08	\$129.06	\$132.04	\$135.03	\$138.01	
30.0	2000	17.65	29.41	\$108.81	\$111.75	\$114.69	\$117.63	\$120.57	\$123.51	\$126.46	\$129.40	\$132.34	\$135.28	
31.0	2000	18.82	28.99	\$106.48	\$109.38	\$112.28	\$115.18	\$118.08	\$120.98	\$123.88	\$126.77	\$129.67	\$132.57	
32.0	2000	20.00	28.57	\$104.17	\$107.03	\$109.89	\$112.75	\$115.60	\$118.46	\$121.32	\$124.17	\$127.03	\$129.89	
33.0	2000	21.18	28.15	\$101.89	\$104.71	\$107.52	\$110.34	\$113.15	\$115.97	\$118.78	\$121.60	\$124.41	\$127.23	
34.0	2000	22.35	27.73	\$99.63	\$102.40	\$105.18	\$107.95	\$110.72	\$113.50	\$116.27	\$119.04	\$121.81	\$124.59	
35.0	2000	23.53	27.31	\$97.39	\$100.12	\$102.85	\$105.58	\$108.32	\$111.05	\$113.78	\$116.51	\$119.24	\$121.97	
36.0	2000	24.71	26.89	\$95.17	\$97.86	\$100.55	\$103.24	\$105.93	\$108.62	\$111.31	\$114.00	\$116.69	\$119.38	
37.0	2000	25.88	26.47	\$92.98	\$95.63	\$98.27	\$100.92	\$103.57	\$106.22	\$108.86	\$111.51	\$114.16	\$116.80	
38.0	2000	27.06	26.05	\$90.81	\$93.41	\$96.02	\$98.62	\$101.23	\$103.83	\$106.44	\$109.04	\$111.65	\$114.25	
39.0	2000	28.24	25.63	\$88.66	\$91.22	\$93.79	\$96.35	\$98.91	\$101.48	\$104.04	\$106.60	\$109.16	\$111.73	
40.0	2000	29.41	25.21	\$86.53	\$89.05	\$91.58	\$94.10	\$96.62	\$99.14	\$101.66	\$104.18	\$106.70	\$109.22	
41.0	2000	30.59	24.79	\$84.43	\$86.91	\$89.39	\$91.87	\$94.35	\$96.82	\$99.30	\$101.78	\$104.26	\$106.74	

* If you must harvest this corn, subtract the harvesting costs; and if you can only use dry corn, subtract drying costs. Of course the price you pay will be determined by supply and demand conditions in your area and negotiations between you and the seller, but unless there are special circumstances it should not be above the prices shown here.

** National Corn Handbook NCH 61 "Calculating Grain Weight Shrinkage in Corn Due to Mechanical Drying" demonstrates two methods for calculating total shrink. The value found in 3c is the constant shrink factor, Typical constant shrink factors range from 1.163 to 1.5% per point. You may allow the constant shrink factor to auto-calculate or directly enter the constant shrink factor used at a local elevator. The constant shrink factor found in 3b can not be less than the water shrink factor in 3a. 3b is used to calculate the % shrink.