

APPENDIX D

Table 1. Composition of Feeds Commonly Used in Beef Cattle Ration (As Fed Basis)

Use with NRC Table 1 in UMC Guides 2067 and 2068

	Dry Matter %	Crude Protein %	NEm Mcal/lb	NEg Mcal/lb	TDN %	Fat %	Crude Fiber %	Calcium %	Phos- phorus %	Potas- ium %	Sodium %	Sulfur %	Zinc PPM
Concentrates													
Barley	88.0	11.9	0.83	0.56	74	1.8	5.0	0.04	0.33	0.41	0.03	0.15	17
Brewers Grains, Dried	92.0	27.1	0.63	0.38	61	6.6	13.2	0.30	0.51	0.08	0.21	0.29	28
Corn													
Yellow Dent #2	88.0	8.9	0.90	0.62	79	3.7	1.9	0.02	0.31	0.33	0.02	0.12	14
Corn & Cob Meal	87.0	7.8	0.80	0.54	72	3.2	8.2	0.06	0.23	0.46	0.02	0.14	12
Corn Gluten Feed	90.0	23.0	0.83	0.56	75	2.2	8.7	0.32	0.74	0.58	0.95	0.21	65
Distillers Grain Corn	94.0	22.0	0.90	0.49	81	9.2	11.4	0.10	0.40	0.17	0.09	0.43	33
Hominy Feed	90.0	10.4	0.99	0.68	85	6.9	6.0	0.05	0.51	0.59	0.08	0.03	3
Molasses													
Beet	78.0	6.6	0.68	0.45	62	0.2	0.0	0.13	0.02	4.73	1.15	0.47	14
Cane	75.0	4.4	0.58	0.37	54	0.1	0.0	0.75	0.08	2.88	0.17	0.35	23
Cane, Dried	94.0	9.7	0.70	0.44	66	0.8	6.3	1.03	0.14	3.38	0.19	0.43	31
Oats													
Grain	89.0	11.8	0.75	0.49	69	4.8	10.8	0.06	0.34	0.39	0.07	0.20	37
Mill By Product	89.0	7.1	0.34	0.00	29	2.3	22.3	0.11	0.21	0.53	--	0.21	--
Groats	90.0	15.9	0.95	0.65	85	6.2	2.5	0.07	0.43	0.35	0.05	0.20	0
Sorghum													
Grain (8-10% Protein)	87.0	8.8	0.81	0.55	73	3.0	2.3	0.03	0.31	0.33	0.01	0.11	16
Grain (10%+ Protein)	88.0	11.0	0.81	0.55	73	2.1	2.3	0.04	0.32	0.33	0.01	0.11	16
Rice													
Bran	91.0	12.7	0.67	0.43	64	14.4	11.8	0.07	1.53	1.73	0.04	0.18	30
Mill By-Product	91.0	6.4	0.39	0.00	38	5.2	29.1	0.36	0.56	--	--	--	--
Soybean Hulls	91.0	11.0	0.67	0.42	65	1.9	36.5	0.54	0.19	1.16	0.01	0.08	--
Wheat													
Bran	89.0	15.2	0.66	0.42	62	3.9	10.1	0.12	1.23	1.39	0.04	0.22	94
Hard Winter	88.0	12.7	0.87	0.60	77	1.6	2.5	0.04	0.38	0.43	0.02	0.13	38
Soft Winter	88.0	11.4	0.88	0.61	78	1.6	2.1	0.04	0.38	0.40	0.01	0.11	42
Mids	89.0	16.4	0.65	0.45	61	4.4	7.3	0.12	0.88	1.01	0.17	0.18	103
Shorts	88.0	16.4	0.69	0.40	64	4.6	6.8	0.09	0.80	0.93	0.03	0.19	109

From *Feed Composition Tables (G2051)*, University Extension, University of Missouri-Columbia