

TABLE 1.—FOOD VALUES.

This table gives the digestible nutrients contained in 1 lb. of some common feeds. It is adapted from table in Bulletin No. 206, Ontario Department of Agriculture.

Kind of Food.	Total Dry Matter.	FOODS OF DIGESTIBLE NUTRIENTS.		Nutritive Ratio.
		Protein.	Carbo-hydrates and Fat.	
Green rape and kale, 1 lb.	0.14	0.020	0.086	1:4.3
Green fodder and corn, 1 lb.	0.20	0.010	0.125	1:12.5
Green peas and oats, 1 lb.	0.16	0.018	0.076	1:4.2
Green red clover, 1 lb.	0.20	0.029	0.164	1:5.6
Green alfalfa, 1 lb.	0.28	0.030	0.138	1:3.5
Corn silage, 1 lb.	0.26	0.014	0.157	1:11.2
Potatoes, 1 lb.	0.21	0.010	0.165	1:16.5
Mangels, 1 lb.	0.09	0.011	0.056	1:5.1
Sugar-beets, 1 lb.	0.13	0.013	0.104	1:8.0
Carrots, 1 lb.	0.11	0.008	0.082	1:10.3
Turnips, 1 lb.	0.10	0.010	0.077	1:7.7
Timothy hay, 1 lb.	0.87	0.028	0.463	1:16.6
Mixed hay, 1 lb.	0.87	0.068	0.460	1:7.9
Alfalfa hay, 1 lb.	0.92	0.110	0.423	1:3.8
Red-clover hay, 1 lb.	0.85	0.077	0.430	1:5.6
Corn fodder, 1 lb.	0.59	0.025	0.373	1:14.9
Corn stover, 1 lb.	0.60	0.017	0.340	1:19.9
Pea straw, 1 lb.	0.86	0.043	0.341	1:7.9
Wheat straw, 1 lb.	0.90	0.008	0.372	1:63.0
Oat straw, 1 lb.	0.91	0.012	0.404	1:33.6
Corn (grain), 1 lb.	0.89	0.079	0.764	1:9.7
Wheat (grain), 1 lb.	0.90	0.088	0.708	1:7.9
Rye (grain), 1 lb.	0.88	0.095	0.721	1:7.6
Barley (grain), 1 lb.	0.89	0.084	0.692	1:8.2
Oats (grain), 1 lb.	0.89	0.092	0.568	1:6.2
Buckwheat (grain), 1 lb.	0.87	0.081	0.536	1:6.6
Pea-meal, 1 lb.	0.90	0.168	0.534	1:3.2
Corn and cob meal, 1 lb.	0.85	0.044	0.665	1:15.1
Wheat bran, 1 lb.	0.89	0.122	0.453	1:3.7
Wheat middlings, 1 lb.	0.83	0.128	0.607	1:4.7
Low-grade flour, 1 lb.	0.88	0.082	0.647	1:7.9
Rice-meal, 1 lb.	0.89	0.074	0.751	1:10.1
Oat feed, 1 lb.	0.93	0.032	0.350	1:6.9
Dried brewers' grains, 1 lb.	0.91	0.200	0.455	1:2.2
Gluten feed, 1 lb.	0.91	0.213	0.503	1:3.0
Gluten-meal, 1 lb.	0.91	0.208	0.566	1:2.0
Linseed-meal (new process), 1 lb.	0.91	0.315	0.411	1:1.3
Cotton-seed meal, 1 lb.	0.92	0.332	0.424	1:1.3
Soy-bean meal, 1 lb.	0.88	0.291	0.558	1:1.9
Cocunut cake, 1 lb.	0.89	0.154	0.652	1:4.2
Sugar-beet pulp (wet), 1 lb.	0.10	0.006	0.073	1:12.0
Sugar-beet pulp (dry), 1 lb.	0.91	0.041	0.649	1:16.0
Apple-pomace, 1 lb.	0.23	0.011	0.164	1:14.9
Skim-milk (separator), 1 lb.	0.09	0.029	0.059	1:2.0
Buttermilk, 1 lb.	0.10	0.039	0.065	1:1.7
Dried blood, 1 lb.	0.91	0.709	0.056	1:0.08
Feeding standards for daily rations—				
For support of 1,000-lb. cow, dry and not in calf.				
(For each extra 100 lb. weight add 1/3).....	16-21	0.7	7.00	1:10
1,000-lb. cow giving 20 lb. average milk.....	25-29	1.6-1.9	9.8-11.2	1:6
1,000-lb. cow giving 30 lb. average milk.....	27-33	2.2-2.5	11.8-13.9	1:5.5
1,000-lb. cow giving 40 lb. average milk.....	28-34	2.8-3.2	13.9-16.6	1:5.2
1,000-lb. cow giving 50 lb. average milk.....	29-36	3.2-3.8	16.0-18.5	1:5.0