

DEPARTMENT OF AGRICULTURE.

Direction for using Table 1.—To find the pounds of nutrients in a given number of pounds of any feeding-stuff, multiply the weight of nutrients in 1 lb. (as given in the table) by the pounds fodder, meal, etc., which you expect to feed.

For example: Ration fed to Cow giving 40 lb. Milk daily.

	Dry Matter.	Protein.	Carbo-hydrates.	Nutritive Ratio.
12 lb. alfalfa hay.....	11.04	1.320	5.076	...
15 lb. corn silage.....	9.10	0.490	5.495	...
4 lb. ground oats.....	3.56	0.300	2.270	...
4 lb. bran.....	3.52	0.498	1.812	...
1 lb. barley.....	0.80	0.064	0.602	...
1 lb. linseed-meal.....	0.91	0.315	0.411	...
Total nutrients in ration.....	20.02	3.065	15.756	1:5.2
as given in table.....	23.34	2.832	13.910.6	1:5.2

TABLE 2.—FOOD VALUES.

AVERAGE PERCENTAGE COMPOSITION.						POUNDS DIGESTIBLE IN EACH 100 LB.			
Water.	Mineral Matter.	Crude Protein.	Carbohydrates.		Fat.	Kind of Feeding-stuff.	Protein.	Carbo-hydrates.	Fat.
			Fibre.	Starches, Sugar, etc.					
10.6	1.5	10.3	2.2	70.4	5.0	Corn (dent).....	7.8	66.8	4.3
9.5	1.5	39.8	2.0	46.6	6.6	Gluten-meal.....	20.7	42.5	0.1
9.2	2.0	25.0	6.8	53.5	3.6	Gluten feed.....	21.3	52.8	2.9
11.2	1.8	11.9	1.8	71.9	2.1	Wheat.....	8.8	67.5	1.5
10.5	4.4	10.9	6.2	56.2	5.1	Wheat middlings or shorts.....	13.0	45.7	4.5
11.9	5.8	15.4	9.0	53.9	4.0	Wheat bran.....	11.9	42.0	2.5
8.7	2.1	11.3	1.5	74.5	1.9	Rye.....	9.5	69.4	1.2
10.8	2.5	12.0	4.2	68.7	1.8	Barley.....	8.4	65.8	1.6
8.0	3.9	11.5	11.1	62.0	2.2	Emmer (miscall. 1 spelt).....	10.0	61.1	2.0
10.4	3.2	11.4	10.8	50.4	4.8	Oats (ground).....	10.1	52.0	3.7
7.0	5.3	8.0	21.5	55.3	2.9	Oat feed.....	5.2	30.1	2.6
7.4	6.7	5.4	30.7	50.5	1.3	Oat hulls.....	1.3	38.5	0.6
13.4	2.0	10.8	11.7	50.7	2.4	Buckwheat.....	8.1	48.2	2.4
12.4	0.4	7.4	0.2	79.2	0.4	Rice.....	6.4	79.2	0.4
10.2	8.1	12.0	5.4	51.2	18.1	Rice-meal.....	7.4	48.3	11.9
10.5	2.6	20.2	14.4	51.1	1.3	Canada field-pea meal.....	14.8	51.7	0.7
11.7	4.8	33.5	4.5	28.3	17.2	Soy-bean meal.....	20.1	23.3	14.6
9.2	4.3	22.6	7.1	23.2	33.7	Flax-seed.....	20.0	17.1	20.6
0.0	5.5	37.5	8.9	30.4	2.7	Linseed-meal (new process).....	31.5	35.7	2.4
9.8	5.5	33.9	7.3	35.7	7.8	Linseed-meal (old process).....	30.2	32.0	6.9
7.5	6.7	39.9	9.9	27.8	8.1	Cotton-seed meal.....	33.1	25.1	7.6
10.4	4.3	16.8	24.0	35.0	9.5	Palmnut cake.....	16.0	52.6	9.0
10.3	5.9	19.7	14.4	34.7	11.0	Cocconut cake.....	15.4	41.2	16.7
8.6	2.6	16.3	29.9	21.4	21.2	Sunflower-seed.....	14.8	29.7	18.2
10.8	6.7	32.8	13.5	27.1	9.1	Sunflower-seed cake.....	29.5	23.3	8.0
10.7	4.9	47.6	5.1	23.7	8.0	Peanut cake.....	42.8	20.4	7.2
10.0	7.9	31.2	11.3	30.0	9.6	Rape-seed cake.....	25.3	23.7	7.6
8.7	3.7	25.0	13.6	42.3	6.7	Dried brewers' grains.....	20.0	32.2	6.0
75.7	1.0	5.4	3.8	12.5	1.6	Wet brewers' grains.....	4.9	9.4	1.7
8.4	4.5	8.1	17.5	60.8	0.7	Dried beet-pulp.....	4.1	04.9	...
89.8	0.6	0.9	2.4	6.3	0.5	Wet beet-pulp.....	0.5	7.7	...
7.0	5.5	9.6	16.1	61.3	2.1	Dried molasses beet-pulp.....	6.1	68.7	...
9.1	11.2	13.1	23.4	42.1	3.7	Alfalfa meal-molasses feed.....	9.8	40.8	0.9
87.2	0.7	3.0	...	4.9	3.1	Cow's milk.....	3.4	4.8	3.1
74.6	1.6	17.6	...	2.7	0.3	Cow's milk (colostrum).....	17.0	2.7	3.6
90.6	0.7	3.1	...	5.3	1.0	Skim-milk.....	2.0	5.3	0.3
90.1	0.7	4.0	...	4.0	0.1	Buttermilk.....	3.8	3.9	1.0
93.8	0.4	0.6	...	5.1	0.1	Whey.....	0.6	5.0	0.2
10.7	4.1	11.2	...	6.3	13.7	Meat scrap.....	66.2	...	13.4
6.0	37.4	39.5	...	6.3	10.8	Meat and bone meal.....	36.7	5.5	10.6
8.5	4.7	84.4	...	...	2.5	Dried blood.....	70.0	...	2.5
7.0	15.9	53.9	5.8	5.6	11.8	Tankage.....	50.1	...	11.6
10.8	29.2	48.4	...	...	11.6	Dried fish.....	45.0	...	11.4
8.0	64.4	23.9	...	3.4	0.3	Raw ground bone.....	...	...	...
15.0	4.5	6.0	29.6	41.9	3.0	Timothy hay, full bloom.....	3.4	45.3	1.4
14.2	4.4	5.7	28.1	44.6	3.0	Timothy hay, soon after bloom.....	2.5	30.2	1.5
7.0	6.8	6.8	26.5	51.2	1.8	Wheat hay.....	4.4	48.7	6.8
14.0	5.7	8.9	27.4	41.2	2.8	Oat hay.....	4.7	36.7	1.7