

For convenience of reference, the German and American standard rations for dairy cows are placed at the head of the list. It must be borne in mind that these standards represent the amounts of organic matter, and of digestible nutrients required per 1,000 lbs. live weight of the animal; and that the term "total organic matter" means the total amount of dry matter furnished in the ration, including both the digestible and indigestible constituents of the food.

The constituents of the rations analyzed below have all been calculated per 1,000 lbs. live weight of cows, and the number opposite each ration corresponds with its number in the report, so that it can readily be referred to.

Table Showing Constituents of some Ontario Rations for Dairy Cows.

Number of ration.	Total organic matter.	Digestible matter.				Nutritive ratio.
		Protein.	Carbo-hydrates.	Fat.	Total.	
	lbs.	lbs.	lbs.	lbs.	lbs.	
German Standard	24.00	2.50	12.50	.40	15.40	1: 5.4
American Standard	24.51	2.15	13.27	.74	16.16	1: 6.9
No. 1	25.47	2.27	12.83	.81	15.91	1: 6.4
" 2	29.80	2.07	15.12	.32	17.31	1: 7.6
" 5	27.64	2.34	19.20	.71	22.25	1: 8.8
" 6	21.21	1.90	11.00	.84	13.74	1: 6.6
" 8	32.19	1.90	17.68	1.06	20.64	1: 10.5
" 9	27.52	2.04	14.72	.73	17.49	1: 8.0
" 11a	22.30	1.13	11.53	.60	13.31	1: 11.4
" 11b	25.01	1.99	12.56	.81	15.36	1: 7.2
" 12a	26.46	1.89	14.71	.73	17.13	1: 9.7
" 12b	26.47	1.96	14.26	.62	16.84	1: 8.0
" 13	26.35	1.50	13.16	.65	15.31	1: 9.7
" 14	29.84	2.29	17.05	.85	20.19	1: 8.3
" 15	25.56	1.66	13.15	.56	15.27	1: 9.2
" 17	28.31	2.25	14.30	.74	17.29	1: 7.5
" 18a	29.82	3.30	18.41	1.20	22.91	1: 6.4
" 18b	24.93	2.95	13.68	1.06	17.59	1: 5.4
" 19	18.52	1.31	9.60	.46	11.36	1: 8.1
" 20	23.42	2.77	11.12	.66	14.55	1: 4.5
" 23	28.17	1.65	15.15	.41	17.21	1: 9.7
" 25	31.57	1.35	16.05	.42	17.82	1: 12.6
" 31	25.94	2.67	13.73	.57	16.37	1: 6.7
" 32	23.99	1.45	12.70	.44	14.59	1: 9.4
" 35	19.43	1.27	9.95	.54	11.76	1: 8.8
" 36	28.18	2.10	14.42	.85	17.37	1: 7.7
" 37	24.83	2.40	13.26	.60	16.35	1: 6.1
" 39	26.17	2.29	13.36	.65	16.80	1: 6.4
" 46	28.00	1.60	15.05	.55	17.20	1: 10.1
" 49	25.75	1.76	14.25	.63	15.88	1: 8.9
" 50	26.54	1.59	14.39	.82	16.80	1: 10.2
" 51	26.66	2.88	11.52	.86	15.26	1: 4.7
" 72	26.14	2.13	14.92	.68	17.73	1: 7.7