

Table 1. Theoretical dietary energy in requirements of Holstein dairy heifers for Wisconsin by housing type.

Item	Unit	Jan	Feb	March	April	May	June	July	August	Sept	Oct	Nov	Dec
Average Wisconsin Temperature													
High	° F	21	27	37	55	68	76	81	79	70	59	41	27
Low	° F	2	7	18	32	43	52	56	54	45	36	23	10
Average	° F	11	17	27	43	55	64	68	66	58	47	32	18
300 lb Heifers													
Outside Housing, DMI ¹	lbs/d	9.1	9.0	8.8	8.6	8.4	8.3	8.2	8.3	8.4	8.5	8.8	9.0
Bedded Pack, DMI	lbs/d	9.0	8.9	8.7	8.5	8.3	8.2	8.1	8.1	8.3	8.4	8.7	8.9
Free-stall, DMI	lbs/d	8.8	8.8	8.6	8.3	8.2	8.0	8.0	8.0	8.1	8.3	8.5	8.7
Outside Housing, TDN ²	%	.	.	.	67	65	65	65	65	65	66	.	.
Bedded Pack, TDN	%	74	72	69	65	65	65	65	65	65	65	68	71
Free-stall, TDN	%	70	69	66	65	65	66	67	66	65	65	66	68
600 lb Heifers													
Outside Housing, DMI	lbs/d	15.9	15.7	15.4	14.9	14.6	14.3	14.2	14.2	14.5	14.8	15.3	15.7
Bedded Pack, DMI	lbs/d	15.7	15.5	15.2	14.7	14.4	14.1	13.9	14.0	14.3	14.6	15.1	15.5
Free-stall, DMI	lbs/d	15.4	15.2	14.9	14.4	14.0	13.8	13.6	13.7	14.0	14.3	14.8	15.2
Outside Housing, TDN	%	76	73	70	66	64	64	64	64	64	65	68	73
Bedded Pack, TDN	%	73	71	68	64	64	64	64	64	64	64	66	70
Free-stall, TDN	%	69	68	65	64	64	65	66	66	64	64	65	67
900 lb Heifers													
Outside Housing, DMI	lbs/d	20.7	20.6	20.2	19.7	19.4	19.1	19.0	19.0	19.3	19.6	20.1	20.5
Bedded Pack, DMI	lbs/d	20.5	20.3	20.0	19.5	19.2	18.9	18.8	18.8	19.1	19.4	19.9	20.3
Free-stall, DMI	lbs/d	20.2	20.0	19.7	19.2	18.9	18.6	18.5	18.5	18.8	19.1	19.6	20.0
Outside Housing, TDN	%	68	68	67	65	64	64	64	64	64	65	66	68
Bedded Pack, TDN	%	68	67	66	65	64	63	63	63	64	64	66	67
Free-stall, TDN	%	67	66	65	64	63	63	63	63	63	64	65	66
1200 lb Heifers													
Outside Housing, DMI	lbs/d	24.3	24.1	23.8	23.3	22.9	22.7	22.5	22.6	22.9	23.2	23.7	24.1
Bedded Pack, DMI	lbs/d	24.1	23.9	23.6	23.1	22.7	22.5	22.3	22.4	22.7	23.0	23.4	23.9
Free-stall, DMI	lbs/d	23.8	23.6	23.3	22.8	22.4	22.2	22.0	22.1	22.4	22.7	23.1	23.6
Outside Housing, TDN	%	68	67	66	65	64	63	63	63	64	65	66	67
Bedded Pack, TDN	%	67	67	66	64	63	62	62	62	63	64	65	67
Free-stall, TDN	%	66	66	65	63	62	61	61	61	62	63	64	66

1. Dry Matter Intake, 2. Total Digestible Nutrients