

2023 Table 1. Nutrient Unit Livestock Information

Table 1 is used to calculate nutrient units using livestock information. Nutrient units are used in Ontario Regulation 267/03. This technical information is for Ontario livestock producers.

Table notes

1. Average weight rounded to 3 significant digits.
2. Manure production numbers rounded to 4 decimal places.
3. Manure production and dry matter entries marked N/A indicate a non-typical housing process.
4. Livestock housing capacity is rounded to 2 decimal places if above 0.2 m²/animal and 3 decimal places if below 0.2 m²/animal.
5. Livestock housing capacity values marked N/A indicate that information is not available.
6. Livestock density is based on barn area only for a housing system (outdoor yard is not included).
7. Livestock housing capacity numbers are used to develop an estimated barn size.

If the farm unit has more than one type of farm animal present on it then this calculation would have to be completed for each type of animal separately, then all the results totaled to give the total NU generated by farm animals on the farm.

Beef

Beef – Backgrounders (7 – 12.5 months)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
Confinement	308	90	0.0724	9.0	0.0604	22	3	4.65
Yard/Barn	308	90	N/A	N/A	0.0604	22	3	3.72

Beef – Brood Cows (includes calves to weaning)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
Confinement	590	100	0.0724	9.0	0.0604	30	1	9.29
Deep Bedded	590	100	N/A	N/A	0.0812	45	1	9.29
Yard/Barn	590	100	N/A	N/A	0.0604	30	1	4.65

Beef – Feeders (7-16 months)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
Confinement Bedded Pack	394	75	N/A	N/A	0.0687	30	3	4.65
Confinement Pack Scrape	394	75	0.0724	9.0	0.0604	22	3	4.65
Confinement Total Slats	394	75	0.0724	9.0	N/A	N/A	3	1.86
Yard/Barn	394	75	N/A	N/A	0.0604	22	3	4.18

Beef – Short Keep (12.5 – 17.5 months)

Sub-Sub Type

	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
Confinement	492	83	0.0724	9.0	0.0604	22	2	6.04

Chickens

Chickens – Broiler Breeder Growers (females and males transferred out)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
Floor System	0.708	83	N/A	N/A	0.1124	60	300	0.158

Chickens – Broiler Breeder Layer (females and males transferred in)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
Cages	3.04	90	N/A	N/A	0.0749	60	100	0.121
Litter With Slats	2.63	90	N/A	N/A	0.0562	65	100	0.195

Chickens – Broilers

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
Broilers, <2kg	0.670	70	N/A	N/A	0.1104	60	351	0.071

shipping weight								
Broilers, 2.01 – 2.5 kg shipping weight	0.740	70	N/A	N/A	0.1104	60	300	0.083
Broilers, 2.51 – 3.0 kg shipping weight	0.920	70	N/A	N/A	0.1104	60	250	0.099
Broilers, >3.01 kg shipping weight	1.17	70	N/A	N/A	0.1104	60	199	0.124

Chickens – Layer Pullets (day olds)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
Cages	0.408	83	0.1124	13.9	0.0624	25	500	0.028
	0.408	83	N/A	N/A	0.1249	58	500	0.186

Litter

Chickens – Laying Hens

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
Belt And Other Removal System (daily)	1.43	96	0.1124	11.1	0.0624	20	150	N/A
Belt With Air Drying (daily)	1.43	96	N/A	N/A	0.0624	30	150	N/A
Floor Run	1.70	96	N/A	N/A	0.0749	60	150	0.093
High Rise - Stored	1.43	96	N/A	N/A	0.0624	20	150	N/A

In Barn								
Liquid - Stored In Barn	1.43	96	0.1124	11.1	N/A	N/A	150	N/A

Chinchilla

Chinchilla – Breeding Females (including males/rep/market animals)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
N/A	0.567	100	N/A	N/A	0.1561	66	320	0.743

Dairy

Dairy – Calves Large Frame

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
N/A	90.7	100	0.0750	11.0	0.0955	45	6	3.25

Dairy – Calves Medium Frame (Guernsey Size)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
N/A	74.4	100	0.0750	11.0	0.0955	45	7	2.97

Dairy – Calves Small Frame (Jersey Size)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
N/A	60.8	100	0.0750	11.0	0.0955	45	8.5	2.60

Dairy – Heifers Large Frame

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
Deep Bedded	295	100	N/A	N/A	0.0516	40	2	6.50
Free Stall	295	100	0.0714	11.0	0.0599	19	2	6.97
Manure Pack Outside	295	100	N/A	N/A	0.0516	40	2	3.72

Access								
Pack Scrape 1 Side	295	100	0.0714	11.0	0.0516	40	2	9.29
Pack Scrape 2 Sides	295	100	0.0714	11.0	0.0516	40	2	8.36

Dairy – Heifers Medium Frame (Guernsey Size)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
Deep Bedded	249	100	N/A	N/A	0.0516	40	2.4	5.20
Free Stall	249	100	0.0714	11.0	0.0599	19	2.4	5.57

Pack Scrape	249	100	0.0714	11.0	0.0516	40	2.4	7.43
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Dairy – Heifers Small Frame (Jersey Size)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
Deep Bedded	204	100	N/A	N/A	0.0516	40	2.9	4.65
Free Stall	204	100	0.0714	11.0	0.0599	19	2.9	4.92
Pack Scrape	204	100	0.0714	11.0	0.0516	40	2.9	6.50

Dairy – Milking Age Cows Large Frame

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
4 Row Free Stall Head To Head	700	100	0.1165	9.1	0.0952	21	0.7	11.6
4 Row Free Stall Tail To Tail	700	100	0.1165	9.1	0.0952	21	0.7	10.2
6 Row Free Stall	700	100	0.1165	9.1	0.0952	21	0.7	9.29
Bedded Pack	700	100	N/A	N/A	0.1020	45	0.7	16.7

Pack Scrape	700	100	0.1165	9.1	0.1020	45	0.7	16.7
3 Row Free Stall	700	100	0.1165	9.1	0.0952	21	0.7	9.76
Sand	700	100	0.1264	9.1	0.1051	21	0.7	N/A
Tie Stall	700	100	0.1165	9.1	0.0952	21	0.7	10.2

Dairy – Milking Age Cows Medium Frame (Guernsey Size)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
Bedded Pack	550	100	N/A	N/A	0.1020	45	0.85	15.3

Free Stall	550	100	0.1165	9.0	0.0952	21	0.85	9.29
Pack Scrape	550	100	0.1165	9.1	0.1020	45	0.85	15.3
Sand	550	100	0.1264	9.1	0.1051	21	0.85	N/A
Tie Stall	550	100	0.1165	9.0	0.0952	21	0.85	8.36

Dairy – Milking Age Cows Small Frame (Jersey Size)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
Bedded Pack	454	100	N/A	N/A	0.1020	45	1	13.5
	454	100	0.1165	9.0	0.0952	21	1	8.36

Free Stall								
Tie Stall	454	100	0.1165	9.1	0.0952	21	1	7.43
Pack Scrape	454	100	0.1165	9.1	0.1020	45	1	13.5
Sand	454	100	0.1264	9.1	0.1051	21	1	N/A

Deer/Elk

Deer/Elk – Elk Adults (>24 months; includes unweaned offspring)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
N/A	272	100	N/A	N/A	0.0456	30	2	N/A

Deer/Elk – Elk Feeders

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
N/A	127	75	N/A	N/A	0.0456	30	6	N/A

Deer/Elk – Elk-Red Deer Hybrid Adults (includes unweaned offspring)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
N/A	170	100	N/A	N/A	0.0456	30	4	N/A

Deer/Elk – Elk/Red Deer Hybrid Feeders

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
N/A	97.5	75	N/A	N/A	0.0456	30	10	N/A

Deer/Elk – Fallow Deer Adults (>24 months; includes unweaned offspring)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
N/A	45.4	100	N/A	N/A	0.0456	30	13	N/A

Deer/Elk – Fallow Deer Feeders

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
N/A	31.8	75	N/A	N/A	0.0456	30	23	N/A

Deer/Elk – Red Deer Adults (>24 months; includes unweaned offspring)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
N/A	99.8	100	N/A	N/A	0.0456	30	7	N/A

Deer/Elk – Red Deer Feeders

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
N/A	63.5	75	N/A	N/A	0.0456	30	14	N/A

Deer/Elk – White Tailed Deer Adults (>24 months; includes unweaned offspring)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
N/A	56.7	100	N/A	N/A	0.0456	30	11	N/A

Deer/Elk – White Tailed Deer Feeders

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
N/A	40.8	75	N/A	N/A	0.0456	30	21	N/A

Ducks

Ducks - Peking

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
Breeders	2.95	100	N/A	N/A	0.3765	57	105	0.465
	1.04	90	0.3627	7.0	0.3471	57	105	0.167

Growers

Emu

Emu – Adults (includes offspring to market size)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
N/A	56.7	0	N/A	N/A	N/A	N/A	12	11.1

Fox

Fox – Breeding Females (including rep/market animals/male)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
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N/A	6.80	80	N/A	N/A	0.0874	36	25	9.29
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Goats

Goats – Dairy Does (including unweaned offspring)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
Confinement	77.1	100	N/A	N/A	0.0453	30	8	1.86

Goats – Dairy Kids

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
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Confinement	16.3	100	N/A	N/A	0.0453	30	32	0.743
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Goats – Feeder Kids (>20 kg)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
Confinement	18.1	0	N/A	N/A	0.0375	30	32	0.743

Goats – Mature Meat Goat (including unweaned offspring)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
N/A	72.6	0	N/A	N/A	0.0375	30	8	1.39

Horses

Horses – Large Frame (including unweaned offspring)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
Box Stalls	680	100	N/A	N/A	0.0887	46	0.7	30.2

Horses – Medium Frame (including unweaned offspring)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
Box Stalls	454	100	N/A	N/A	0.0887	46	1	23.2

Horses – Small Frame (including unweaned offspring)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
Box Stalls	227	100	N/A	N/A	0.0887	46	2	16.3

Mink

Mink – Breeding Females (including rep/market animals/males)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
N/A	1.25	80	1.7136	2.1	0.2536	35	60	2.32

Ostrich

Ostrich – Adults (includes offspring to market size)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
N/A	136	0	N/A	N/A	N/A	N/A	4	9.29

Rabbits

Rabbits – Breeding Does (includes bucks/rep/fryers)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
	4.54	100	N/A	N/A	0.1561	45	40	1.80

1 Tier Cages								
2 Tier Cages	4.54	100	N/A	N/A	0.1561	45	40	0.892
3 Tier Cages	4.54	100	N/A	N/A	0.1561	45	40	0.595

Sheep

Sheep – Dairy and Feeders Lambs

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
Confinement	33.2	75	N/A	N/A	0.0378	30	20	0.929
Outside Access	33.2	75	N/A	N/A	0.0378	30	20	0.557

Sheep – Dairy Ewes and Rams (including unweaned offspring and replacements)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
Confinement	93.0	100	N/A	N/A	0.0556	40	6	2.14
Outside Access	93.0	100	N/A	N/A	0.0556	40	6	2.14

Sheep – Meat Ewes and Rams (including unweaned offspring and replacements)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
Confinement	79.4	100	N/A	N/A	0.0556	40	8	2.14

Outside Access	79.4	100	N/A	N/A	0.0453	30	8	1.39
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Swine

Swine - Feeders

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
Full Slats	61.4	89	0.1311	5	N/A	N/A	5.25	0.957
Full Slats (wet/dry Feeders)	61.4	89	0.0837	7	N/A	N/A	5.25	0.957
Deep Bedded	61.4	89	N/A	N/A	0.078	45	5.25	1.49

Partial Slats	61.4	89	0.1311	5	N/A	N/A	5.25	1.064
Partial Slats (wet/dry Feeders)	61.4	89	0.0837	7	N/A	N/A	5.25	1.064
Solid Scrape	61.4	89	0.1311	5	0.0843	13	5.25	1.278
Solid Scrape (wet/dry Feeders)	61.4	89	0.0837	7	0.0843	20	5.25	1.278

Swine – Gilts (Breeders)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
	90.3	85	0.0893	2.7	N/A	N/A	5	1.39

N/A

Swine – Sows (dry) and Boars

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
Deep Bedded Pack	136	100	N/A	N/A	0.0818	45	3.5	2.79
Full or Partial Slats	136	100	0.1167	2.5	0.0974	15	3.5	2.79

Swine – Sows with Litters

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
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N/A	181	100	0.1167	2.1	0.0974	15	3.5	6.50
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Swine - Weaners

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
Non-SEW	13.3	80	0.1779	2.7	0.1542	13	20	0.399
Non-SEW (wet/dry)	13.3	80	0.1305	3.6	0.1542	13	20	0.399
SEW	11.3	80	0.1779	2.7	0.1542	13	20	0.353
SEW (wet/dry)	11.3	80	0.1305	3.6	0.1542	13	20	0.353

Turkeys

Turkeys – Breeder Toms

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
N/A	15.9	100	N/A	N/A	0.0437	58	45	0.557

Turkeys – Broilers (<6.2 kg)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
N/A	2.00	85	N/A	N/A	0.0562	60	133	0.149

Turkeys – Hens 6.2 – 10.8 kg

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
Brooded in another building	4.08	77	N/A	N/A	0.0541	60	110	0.232
Brooded in the same barn	2.87	85	N/A	N/A	0.0559	60	110	0.232

Turkeys – Toms >10.8 kg

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
N/A	6.03	80	N/A	N/A	0.0410	60	75	0.325

Turkeys – Turkey Breeder Layers

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
N/A	9.07	100	N/A	N/A	0.0437	58	67	0.372

Turkeys – Turkey Starter Barn (0 to 6 weeks)

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m² /animal)
N/A	0.680	80	N/A	N/A	0.1249	58	267	0.093

Veal

Veal – Grain Fed

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
N/A	140	90	0.0724	9.0	0.0604	22	6	5.85

Veal – Milk Fed

Sub-Sub Type	Ave. Weight (kg/animal)	Utilization (%)	Liquid Amt (m ³ /1000 kg/day)	Liquid DM* (%)	Solid Amt (m ³ /1000 kg/day)	Solid DM* (%)	Nutrient Units (animal/NU)	Livestock Housing Capacity (m ² /animal)
N/A	102	80	0.0906	0.7	0.1389	40	6	2.79

Footnotes

(*) ^ dry matter