

**M.4 Water Requirements for Horizon Colony Farms.**

Livestock Type	Description	Number of Animals	Water Use Estimates		Livestock Water Use
			Imp Gal /day/animal	Additional Washwater	Imp gal/day/animal
<b>Dairy</b>					
Mature Cows*, including associated livestock	no plate coolers or plate coolers with water reused		54	0%	0
Mature Cows*, including associated livestock	plate coolers without water reused		82	0%	0
<b>Beef</b>					
Beef Cows, including associated livestock			15	0%	0
Backgrounder			10	0%	0
Summer Pasture/ Replacement Heifers			12	0%	0
Feedlot Cattle			19	0%	0
<b>Pigs</b>					
Sows, farrow to weaning (5kg)			5.5	0%	0.0
Sows, farrow to nursery (23kg)		600	9.5	0%	5700.0
Sows, farrow to finish			26.7	0%	0.0
Weanlings (5-23kg)			1.0	0%	0.0
Grower/Finishers		5400	2.0	0%	10800.0
Boars (artificial insemination operations)			4.0	0%	0.0
<b>Chicken</b>					
Broilers		66000	0.035	10%	2541.00
Roasters			0.04	10%	0.00
Layers			0.055	10%	0.00
Pullets			0.04	10%	0.00
Broiler Breeder Pullets			0.04	10%	0.00
Broiler Breeder Hens			0.07	10%	0.00
<b>Turkey</b>					
Broilers			0.13	10%	0.00
Heavy Toms			0.16	10%	0.00
Heavy Hens		99000	0.16	10%	17424.00
<b>Horse</b>					
PMU Mares, including associated livestock			13.9	0%	0.0
<b>Sheep</b>					
Feeder Lambs			1.1	0%	0.0
Ewes, including associated livestock			3.9	0%	0.0
<b>Livestock Total (Imp Gal/day)</b>					36465.0
<b>Livestock Total (Litres/day)</b>					165769.9
<b>Households**</b>					
		<b>Number of People</b>	<b>Water Use Estimate</b>		<b>Household Water Use</b>
Persons		113	<b>Imp Gal/day/person</b>		
			33		3729
<b>Grand Total (Imp Gal/day)</b>					40194.0
<b>Grand Total (Litres/day)</b>					182721.9
* Mature cows means all of the lactating and dry cows.					
** Include household consumption when a household is on site.					