

# Water Requirement Calculation Table

Livestock	Number	IG/day per animal in winter	IG/day per animal in summer	IG/day (Imperial gallons per day)
<b>Beef/Dairy/Bison *</b>				
Feeder/heifer/steer (600 lb.)		5	9	-
Feeder (900 lb.)		7	12	-
Feeder (1250 lb.)		10	15	-
Cow/calf pair		12	15	-
Dry milking cow **		10	12	-
Lactating cow **		25	30	-
Bison		8	10	-
<b>Horses</b>				
Horses		8	11	-
<b>Hogs</b>				
Sow (Farrow/wean)			5.5	-
Dry Sow/Boar			4	-
Feeder			2	-
Nursery (33 lb.)			1	-
<b>Chickens</b>				
Broilers			0.035	-
Roasters/Pullets			0.04	-
Layers	80,000		0.055	4,400
Breeders			0.07	-
<b>Turkeys</b>				
Turkey Growers			0.13	-
Turkey Heavies			0.16	-
<b>Sheep/Goats</b>				
Sheep/Goats			2	-
Ewes/Does			3	-
Lambs/Kids (90 lb.)			1.6	-
<b>TOTAL (IG/day)</b>				<b>4,400</b>
<b>*** TOTAL with 10% wash water</b>				<b>4,840</b>

\* For beef, dairy, bison and horse enterprises:  
Use summer numbers if appropriate for the operation. Otherwise base projections on winter values. Always use the greater of the two values.

\*\* For intensive Dairy operations, please use the Dairy Barn Water Requirement Calculator found on separate sheet.

**\*\*\* 10% of the total is added to allow for wash water**

**Other consumption:**  
Normal household consumption:  
60-75 IG/day per person or  
(272-340 l/day/person)

Unit Conversions		
Total per day	Total per year	Unit
4,840	1,766,600	IG
20,002	7,300,876	litres
0.020	7	cubic decametres (dam <sup>3</sup> )

*Conversion Factor: 1 IGPM = 4.546 l/m*

Please note that the Water Requirement Calculator is an estimation only.