

# 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	66,000	0.04		2,640
Layers	120,000	0.055		6,600
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>9,240</b>
<b>*** TOTAL with 10% wash water</b>				<b>10,164</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
10,164	3,709,860	IG
42,005	15,331,840	litres
0.042	15	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.