Water Requirement Calculation Table

Livestock	Number	IG/day per animal in winter	IG/day per animal in summer	IG/day (Imperial gallons per day)
Beef/Dairy/Bison *				
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	-
Horses				
Horses		8	11	-
Hogs				
Sow (Farrow/wean)		5.5		-
Dry Sow/Boar		4		-
Feeder	7,600	2		15,200
Nursery (33 lb.)	3,750	1		3,750
Chickens				
Broilers		0.035		-
Roasters/Pullets		0.04		-
Layers		0.055		-
Breeders		0.07		-
Turkeys				
Turkey Growers		0.13		-
Turkey Heavies		0.16		-
Sheep/Goats				
Sheep/Goats		2		-
Ewes/Does		3		-
Lambs/Kids (90 lb.)		1.6		-
		TOTAL (IG/day)		**18,950**
***		**TOTAL with 10% wash water**		**20,845**

* 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
20,845	7,608,425	IG
86,147	31,443,546	litres
0.086	31	cubic decametres (dam^3)

Conversion Factor: 1 IGPM = 4.546 l/m

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