Species	Equations, y: water intake ($\mathrm{L\,day^{-1}}$)	Authors
Dairy cows (Lactation)	$y = 15.3 + 2.52 \times$ milk yield ($\mathrm{kg\,day^{-1}}$) $+ 0.45 \times$ DM[a] content of ration (%)	Castle and Thomas (1975)
	$y = 15.99 + 1.58 \times$ DM intake ($\mathrm{kg\,day^{-1}}$) $+ 0.9 \times$ milk yield ($\mathrm{kg\,day^{-1}}$) $+ 0.05 \times$ Na intake ($\mathrm{g\,day^{-1}}$) $+ 1.2 \times$ minimal night temperature (°C)	Murphy et al. (1983); NRC (2001)
	$y = 14.3 + 1.28 \times$ milk yield ($\mathrm{kg\,day^{-1}}$) $+ 0.32 \times$ DM content of ration (%)	Dahlborn et al. (1998)
	$y = -26.12 + 1.516 \times$ average of environment temperature (°C) $+ 1.299 \times$ milk yield ($\mathrm{kg\,day^{-1}}$) $+ 0.058 \times$ body weight (kg) $+ 0.406 \times$ Na[b] intake ($\mathrm{g\,day^{-1}}$)	Meyer et al. (2004)
Dairy cows (dry)	$y = -10.34 + 0.2296 \times$ DM content of ration (%) $+ 2.212 \times$ DM intake ($\mathrm{kg\,day^{-1}}$) $+ 0.03944 \times$ CP[c] content of ration (% of DM)	Holter and Urban (1992)
	$y = 1.16 \times$ DM intake $+ 0.23 \times$ DM content $+ 0.44 \times$ current temperature $+ 0.061 \times$ (current temperature $- 16.4)^2$	Tedeschi and Fox (2016)
	$y = 0.01 \times$ body weight $+ 0.32 \times$ DM content $+ 0.52 \times$ current temperature $+ 0.053 \times$ (current temperature $- 16.4)^2$	Tedeschi and Fox (2016)
Beef cattle	$y = -3.85 + 0.507 \times$ average of environmental temperature (°C) $+ 1.494 \times$ DM intake ($\mathrm{kg\,day^{-1}}$) $- 0.141 \times$ roughage of ration (% of DM) $+ 0.248 \times$ DM content of roughage (%) $+ 0.014 \times$ body weight (kg)	Meyer et al. (2006)
Heifers	$y = -5.206 + 0.038 \times$ body weight (kg) $+ 0.610 \times$ average of environmental temperature (°C) $+ 0.098 \times$ roughage of ration (% of DM) $- 0.086 \times$ relative air moisture (%) $+ 0.530 \times$ DM intake ($\mathrm{kg\,day^{-1}}$)	Grabow et al. (2009)
Sheep	$y = 3.86 \times$ DM intake $- 0.99$	NRC (2007); Forbes (1986)

[a] Dry matter. [b] Sodium. [c] Crude protein.