

STANDARD HERD AE AND DRY MATTER INTAKE TABLES

**Animal Equivalent (AE) Ratings represent energy demand relative to the standard AE animal
(450kg Bos taurus steer with zero liveweight gain)**

Standard Annual AE rating by age group based on long term average productivity, intake figures apply to cattle grazing in Northern and Rangelands Australia. Productivity zones are based on annual liveweight gains of steers Select column that applies to determine AE rating and intake by class, if unsure use moderate;

- High: Greater than 150kg/yr
- Moderate: 110 to 150kg/yr,
- Low: Less than 110kg/yr.

Productivity	Annual AE Rating		
	High	Moderate	Low
Females <1 [#]	0.77	0.68	0.57
Females 1-2	1.10*	0.91	0.72
Females 2-3	1.74*	1.12*	0.96*
Females 3-4	1.61*	1.49*	1.18*
Females 4+	1.53*	1.28*	1.08*
Steers <1 [#]	0.80	0.72	0.60
Steers 1-2	1.31	1.03	0.78
Steers 2-3	1.60	1.27	1.02
Steers 3-4		1.39	1.15
Grown Bulls	1.55	1.52	1.29

[#]Is from weaning to 12 months of age

Productivity	Intake (Kg DM/hd/day)		
	High	Moderate	Low
Females <1 [#]	5.8	5.4	4.8
Females 1-2	8.3*	7.3	6.1
Females 2-3	13.0*	8.9*	8.2*
Females 3-4	12.1*	11.9*	10.0*
Females 4+	11.5*	10.2*	9.2*
Steers <1 [#]	6.0	5.8	5.1
Steers 1-2	9.8	8.3	6.7
Steers 2-3	12.0	10.2	8.7
Steers 3-4		11.1	9.8
Bulls	11.6	12.2	11.0
Intake/AE	7.5	8.0	8.5

**includes pregnancy, lactation and calf to weaning and accounts for reproductive rate (i.e. is average of all females in age group)*

AE calculations derived using the Australian feeding standards (CSIRO, 2007) by applying the methodology outlined in McLennan et al. (2020) and McLean and Blakeley (2014). Intake figures applied are from McLennan et al. (2020). Animal performance data used to derive above ratings and groupings are from (Bray et al., 2015).

BRAY, S., WALSH, D., HOFFMANN, M., HENRY, B., EADY, S., COLLIER, C., NAVARRO, J., CORBET, D. & PETTIT, C. 2015. *Desktop research project to provide data on liveweight and liveweight gain in the beef cattle sector in Queensland and the Northern Territory : final report, 2015*, Queensland State of Queensland.

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