

Title	APS livestock numbers, 1971–2017
Environmental reporting topic	Resource use and management, and other human activities
Environmental reporting category	The accuracy of this data is of high quality
Environmental report	Environment Aotearoa 2019
Relevant measure on the Environmental Indicators, Te taiao Aotearoa website	Livestock numbers
Other data and reports which relate to this measure	<p>Related indicators:</p> <ul style="list-style-type: none"> - Agricultural and horticultural land use - Change in farm numbers and farm size - Change in use of Māori land for primary production <p>Related content:</p> <ul style="list-style-type: none"> - Our land 2018 - Agricultural production statistics: June 2017 (final)
Projection	New Zealand Transverse Mercator (NZTM)
Limitations to data analysis	<p>The shapefile provides counts and densities (i.e. counts per km²) of livestock numbers within a hexagonal grid for 1994, 2002, 2007, 2012 and 2017. Data is derived from the Agricultural Production Survey census final results for these census years. It provides information on dairy cattle, beef cattle, total cattle (i.e. dairy + beef cattle), sheep and deer. It was created by joining meshblock level data to the meshblock shapefile for the relevant year, and then aggregating and apportioning data into a vector hexagonal grid. No meshblock shapefile was available for the 1994 year, and as such the 1993 meshblock shapefile was used. The proportion of animals able to be incorporated into the hexagonal grid were estimated by comparing the estimated grid totals to the APS final released New Zealand totals. For 2002, 2007, 2012 and 2017, >99.8% of animals of all types were able to be incorporated into the hexagonal grid. For 1994, 96.9% of total cattle, 97.8% of dairy cattle, 96.3% of beef cattle, 96.6% of sheep and 97.5% of deer were able to be incorporated into the hexagonal grid.</p>
Changes to time series	<p>Counts are otherwise comparable across geographies and time, as they are estimated using the same methodology. The census question regarding the number of animals is simple and has remained unchanged over time. Stats NZ estimates an undercount of about 70,000 deer at 30 June 2002.</p>
References	Stats NZ (2017). Agricultural production statistics: June 2017 (final) .

	Retrieved 17 January 2019 from www.stats.govt.nz . Stats NZ (nd). InfoShare .
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