

Online resource VI Herd and milk and meat production data per cow production unit (PU) per year

	Value	Unit	Reference
Dairy cow			
Live weight	650	kg	PDV (2012)
Replacement rate	0.3	fraction	Vermeij (2012)
Death rate	0.02	fraction	Vermeij (2012)
# Slaughtered dairy cows/dairy cow PU/year	0.28		
Calving interval	419	days	Vermeij (2012)
Fat in milk	4.4	%	Vermeij (2012)
Protein in milk	3.5	%	Vermeij (2012)
Meat weight/dairy cow	264	kg	Van Middelaar (2014)
Meat production/dairy cow PU/year	74	kg	
Average milk yield/dairy cow/year	8120	kg	LEI (2013)
Milk consumption by replacement calve/ dairy cow PU/year	79.2	kg	
Milk production/dairy cow PU/year	8502	kg FPCM	
Replacement heifers 1-2 yr			
Death rate replacement heifer age 1-2 years	0.02	fraction	Vermeij (2012)
Number of calves/cow PU/year	0.31		
Replacement calves 0-1 yr			
Death rate at birth	0.07	fraction	Vermeij (2012)
Death rate within 2 months	0.03	fraction	Vermeij (2012)
Death rate between 2 months and 1 year	0.02	fraction	Vermeij (2012)
Number of calves/cow PU/year	0.34		

Note: Milk production (kg) was a three-year average over the years 2009-2011 (LEI 2013). We subtracted milk consumption by calves (231 kg during their first two months) (Rommelink et al. 2012) from milk production. Milk production (kg) was converted to Fat and Protein Corrected Milk (FPCM) according to PDV (2012). Energy and protein contents of whole milk were 2.58 MJ and 0.03 kg protein per kg of milk (RIVM 2013). Energy and protein contents of beef were 11.3 MJ and 0.3 kg protein per kg of beef (Van Kernebeek et al. 2014). Beef contained 0.002 kg sugar per kg (Van Kernebeek et al. 2014).

References

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