

File S1

Animal categories that are considered in the ISTAT database for calculating the N contribution by livestock manure.

Usage category	Animal species	Destination	Age / weight limits	Sex
Farmed calf	Bovine	Farm	0-6 months	M + F
Fattening calf	Bovine	Slaughter before 6 months of age	0-6 months	M + F
Calf from the mother cow	Bovine	Fattening	0-10 months	M + F
Breeding cattle	Bovine	Farm	6-24 months	M + F
Fattening cattle (including suckling calf)	Bovine	Slaughter after 6 months of age	0-24 months	M + F
Dairy cow	Bovine	Commercial milk production	> 2 years	F
Mother cow	Bovine	No commercial milk production	> 2 years	F
Other	Bovine	Other bovine than the aforementioned categories		M + F
Piglet	Pig	Fattening and breeding	For the duration of breastfeeding	M + F
Weaned pig	Pig	Fattening and breeding	From weaning up to 25 kg	M + F
Fattening pig	Pig	Fattening and breeding	From 25 kg of body weight, up to slaughter or up to 6 months (breeding)	M + F
Young sow	Pig	Farm	From 6 months until the first birth	F
Lactating sow	Pig	Farm	For the duration of the lactation phase	F
Sow not nursing	Pig	Farm	Between one lactation phase and another	F
breeding pig	Pig	Farm	> 6 months	M

Other	Pig	Other pig than the aforementioned categories		M + F
Laying hens (breeding)	Poultry	Commercial egg production	Young hens that do not yet lay eggs	F
Laying hens (laying phase)	Poultry	Commercial egg production	Hens laying eggs	F
Fattening chicken	Poultry	Poultry for fattening	From 1 day until slaughter	M + F
Fattening turkey	Poultry	Turkeys for fattening	From 1 day until slaughter	M + F
Parental line for fattening (breeding)	Poultry	Parental lines of fattening animals	Animals not yet sexually mature	M + F
Parental line for fattening (laying phase)	Poultry	Parental lines of fattening animals	Sexually mature animals	M + F
Parent line laying hens (breeding)	Poultry	Parental lines of laying hens	Animals not yet sexually mature	M + F
Parental laying lines (laying phase)	Poultry	Parental lines of laying hens	Sexually mature animals	M + F
Other	Poultry	Other poultry than the aforementioned categories		M + F
Young sheep	Sheep		<1 year	M + F
Adult sheep	Sheep		> 1 year	M + F
Young goat	Goat		<1 year	M + F
Adult goat	Goat		> 1 year	M + F
Young rabbit	Rabbit		Animals not yet sexually mature	M + F
Adult rabbit	Rabbit		Sexually mature animals	M + F
Camelids	Other	New/Old world camelids		M + F
Farmed game	Other			M + F