# Ammonia emission from laying hens - Nesbuegg

The values are taken from Stable balance made in Vera for values of 2025 production
Vera is a calculation tool developed by the Swedish Board of Agriculture

**Laying hens**

| | |
|---|---|
| Animal units | 65 000 |

| **Stable balance N** | In | Out |
|---|---|---|
| Feed | 50 415 | |
| Bedding | 22 | |
| Pullets + roosters | 1 886 | |
| Eggs | | 19 957 |
| Animals to slaughter | | 2 708 |
| Discarded eggs | | 100 |
| Carcass | | 143 |
| | 52 323 | 22 908 |
| **Nitrogen from animals** | | **29 415** |
| Excreted N, kg/animal unit and year | | 0,45 |
| BAT-reference value, BAT 3 | | 0,4-0,8 |

| **Stable balance P** | In | Out |
|---|---|---|
| Feed | 8 450 | |
| Bedding | 2 | |
| Pullets + roosters | 419 | |
| Eggs | | 2 112 |
| Animals to slaughter | | 602 |
| Discarded eggs | | 11 |
| Carcass | | 32 |
| | 8 871 | 2 757 |
| **Phosphorus from animals** | | **6 114** |
| Excreted P, kg/animal unit and year | | 0,09 |
| Excreted $P_2O_5$, kg/animal unit and year | | 0,22 |
| BAT-reference value (P), BAT 4 | | 0,04-0,19 |
| BAT-reference value (P2O5), BAT 4 | | 0,10-0,45 |

| **Ammonia-N from stable** | Solid manure |
|---|---|
| Nitrogen from animals | 29 415 |
| **Nitrogen loss from stable** | **2 942** |
| Ammonia loss from stable | 3 572 |
| **Ammonia, kg/animal unit and year** | **0,05** |
| BAT-limit value cage system, BAT 31 | 0,02-0,08 |
| BAT-limit value Non-cage system, BAT 31 | 0,02-0,13(1) |

( 1) For existing plants using a forced ventilation system and an infrequent manure removal (in case of deep litter with a manure pit), in combination with a measure achieving a high dry matter content of the manure, the upper end of the BATAEL is 0,25 kg NH3/animal place/year.

| **Ammonia-N from storage, kg** | Solid manure |
|---|---|
| Nitrogen after sable | 26 474 |
| **Nitrogen loss from storage** | **5 295** |
| Ammonia loss from storage | 6 429 |

**Ammonia loss from stable + storage**

| | |
|---|---|
| Ammonia-N, kg | 8 236 |
| Ammonia, kg | 10 001 |

**Comments**

The production is within the framework of BAT conclusions.