

Duck Farm Ammonia Emissions

REG & NAME

CALCULATION METHOD

TIER 2 METHOD (Emission factors provided by ADAS L)

	Housing emission (g NH ₃ -N Bird d ⁻¹)	default Total Days of Production per year	kg
Ducks	0.76	312	1000
Edit only if site specific production days known:	no. of cycles		0
	average no of days per cycle		0
			312

	Housing emission factor (kg NH ₃ bird ⁻¹ year ⁻¹)	Bird places per year
Ducks	0.288	0
Total	Housing emissions	
	Emission factor (g NH ₃ -N m ⁻² d ⁻¹)	surface area m ²
Outdoor uncovered Storage	10.6	0
Total	Farm Emissions	

Duck Farm Methane Emissions

**CALCULATION METHOD IPCC Good Practice Guide
TIER 1 METHOD (Manure management)**

	Enteric Fermentation emission factor(kg CH ₄ year ⁻¹)	Manure management emission factor(kg CH ₄ year ⁻¹)
Ducks	0.00	0.078
Total	Farm Emissions	



Duck Farm Nitrous Oxide Emissions

**CALCULATION METHOD IPCC Good Practice Guide
TIER 1 METHOD (Manure management)**

(A)

Ducks	Solid Manure	Nitrogen excretion (kg per bird place per year) 0.60	Soild Manure emission factor N ₂ O-N/kgN Excreted 0.02
	Total	Farm Emissions	
		<input type="text"/>	<input type="text"/>
		<input type="text"/>	<input type="text"/>

(B)

Ducks	Liquid Storage	Nitrogen excretion (kg per bird place per year) 0.60	Liquid manure emission factor N ₂ O-N/kgN Excreted 0.001
	Total	Farm Emissions	
		<input type="text"/>	<input type="text"/>
		<input type="text"/>	<input type="text"/>

PRTR reporting NO

n factors adjusted to reflect national data)

JK, 2005

Total Housing emission factor
0.288

Ammonia emission
0.00
0.00 kg/year
0.00 kg/year
0.00 kg/year Ammonia
PRTR reporting NO



(emission factors from EPA National Inventory Report 2009 on Greenhouse Gases provided by Dr. B.Hyde, EPA, 2009)

Bird places per year
0
0.00 kg/year Methane

PRTR reporting **NO**



(emission factors from EPA National Inventory Report 2009 on Greenhouse Gases provided by Dr. B.Hyde, EPA, 2009)

Bird places per year		
0		
	0.00 kg/year	Nitrous oxide

Bird places per year		
0		
	0.00 kg/year	Nitrous oxide