

This spreadsheet contains sheet 1 of Worksheet 4-1, in accordance with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.

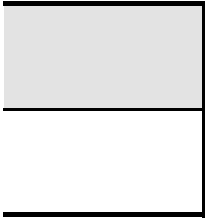
MODULE		AGRICULTURE				
SUBMODULE		METHANE AND NITROUS OXIDE EMISSIONS FROM DOMESTIC LIVESTOCK ENTERIC FERMENTATION AND MANURE MANAGEMENT				
WORKSHEET		4-1				
SHEET		1 OF 2 METHANE EMISSIONS FROM DOMESTIC LIVESTOCK ENTERIC FERMENTATION AND MANURE MANAGEMENT				
COUNTRY		0				
YEAR		0				
		STEP 1		STEP 2		STEP 3
Livestock Type	A Number of Animals	B Emissions Factor for Enteric Fermentation (kg/head/yr)	C Emissions from Enteric Fermentation (t/yr)	D Emissions Factor for Manure Management (kg/head/yr)	E Emissions from Manure Management (t/yr)	F Total Annual Emissions from Domestic Livestock (Gg)
			$C = (A \times B)/1000$		$E = (A \times D)/1000$	$F = (C + E)/1000$
Dairy Cattle			0.00		0.00	0.00
Non-dairy Cattle			0.00		0.00	0.00
Buffalo			0.00		0.00	0.00
Sheep			0.00		0.00	0.00
Goats			0.00		0.00	0.00
Camels			0.00		0.00	0.00
Horses			0.00		0.00	0.00
Mules & Asses			0.00		0.00	0.00
Swine			0.00		0.00	0.00
Poultry			0.00		0.00	0.00
Totals			0.00		0.00	0.00

Documentation box: Parties are encouraged to provide relevant information used in the calculation and on data sources in this documentation box.
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This spreadsheet contains Worksheet 4-1 (supplemental), in accordance with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.

MODULE	AGRICULTURE			
SUBMODULE	METHANE AND NITROUS OXIDE EMISSIONS FROM DOMESTIC LIVESTOCK ENTERIC FERMENTATION AND MANURE MANAGEMENT			
WORKSHEET	4-1 (SUPPLEMENTAL)			
SPECIFY AWMS	ANAEROBIC LAGOONS			
SHEET	NITROGEN EXCRETION FOR ANIMAL WASTE MANAGEMENT SYSTEM			
COUNTRY	0			
YEAR	0			
Livestock Type	A Number of Animals	B Nitrogen Excretion Nex (kg/head/(yr)	C Fraction of Manure Nitrogen per AWMS (%/100) (fraction)	D Nitrogen Excretion per AWMS, Nex (kg N/yr)
				D = (A x B x C)
Non-dairy Cattle				0.00
Dairy Cattle				0.00
Poultry				0.00
Sheep				0.00
Swine				0.00
Others				0.00
TOTAL				0.00

Documentation box:
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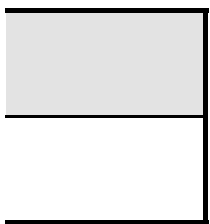


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MODULE	AGRICULTURE			
SUBMODULE	METHANE AND NITROUS OXIDE EMISSIONS FROM DOMESTIC LIVESTOCK ENTERIC FERMENTATION AND MANURE MANAGEMENT			
WORKSHEET	4-1 (SUPPLEMENTAL)			
SPECIFY AWMS	LIQUID SYSTEMS			
SHEET	NITROGEN EXCRETION FOR ANIMAL WASTE MANAGEMENT SYSTEM			
COUNTRY	0			
YEAR	0			
Livestock Type	A Number of Animals	B Nitrogen Excretion Nex (kg/head/(yr)	C Fraction of Manure Nitrogen per AWMS (%/100) (fraction)	D Nitrogen Excretion per AWMS, Nex (kg N/yr)
				D = (A x B x C)
Non-dairy Cattle				0.00
Dairy Cattle				0.00
Poultry				0.00
Sheep				0.00
Swine				0.00
Others				0.00
TOTAL				0.00

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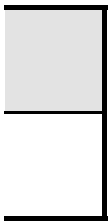
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MODULE	AGRICULTURE			
SUBMODULE	METHANE AND NITROUS OXIDE EMISSIONS FROM DOMESTIC LIVESTOCK			
	ENTERIC FERMENTATION AND MANURE MANAGEMENT			
WORKSHEET	4-1 (SUPPLEMENTAL)			
SPECIFY AWMS	SOLID STORAGE AND DRYLOT			
SHEET	NITROGEN EXCRETION FOR ANIMAL WASTE MANAGEMENT SYSTEM			
COUNTRY	0			
YEAR	0			
Livestock Type	A Number of Animals	B Nitrogen Excretion Nex (kg/head/(yr))	C Fraction of Manure Nitrogen per AWMS (%/100) (fraction)	D Nitrogen Excretion per AWMS, Nex (kg N/yr)
				D = (A x B x C)
Non-dairy Cattle				0.00
Dairy Cattle				0.00
Poultry				0.00
Sheep				0.00
Swine				0.00
Others				0.00
TOTAL				0.00

Documentation box:

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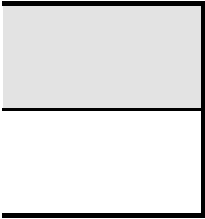


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MODULE	AGRICULTURE			
SUBMODULE	METHANE AND NITROUS OXIDE EMISSIONS FROM DOMESTIC LIVESTOCK ENTERIC FERMENTATION AND MANURE MANAGEMENT			
WORKSHEET	4-1 (SUPPLEMENTAL)			
SPECIFY AWMS	DAILY SPREAD			
SHEET	NITROGEN EXCRETION FOR ANIMAL WASTE MANAGEMENT SYSTEM			
COUNTRY	0			
YEAR	0			
Livestock Type	A	B	C	D
	Number of Animals	Nitrogen Excretion Nex (kg/head/(yr))	Fraction of Manure Nitrogen per AWMS (%/100) (fraction)	Nitrogen Excretion per AWMS, Nex (kg N/yr)
				D = (A x B x C)
Non-dairy Cattle				0.00
Dairy Cattle				0.00
Poultry				0.00
Sheep				0.00
Swine				0.00
Others				0.00
TOTAL				0.00

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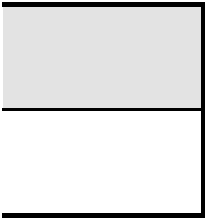
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MODULE	AGRICULTURE			
SUBMODULE	METHANE AND NITROUS OXIDE EMISSIONS FROM DOMESTIC LIVESTOCK ENTERIC FERMENTATION AND MANURE MANAGEMENT			
WORKSHEET	4-1 (SUPPLEMENTAL)			
SPECIFY AWMS	PASTURE RANGE AND PADDOCK			
SHEET	NITROGEN EXCRETION FOR ANIMAL WASTE MANAGEMENT SYSTEM			
COUNTRY	0			
YEAR	0			
Livestock Type	A Number of Animals	B Nitrogen Excretion Nex (kg/head/(yr))	C Fraction of Manure Nitrogen per AWMS (%/100) (fraction)	D Nitrogen Excretion per AWMS, Nex (kg N/yr) D = (A x B x C)
Non-dairy Cattle				0.00
Dairy Cattle				0.00
Poultry				0.00
Sheep				0.00
Swine				0.00
Others				0.00
TOTAL				0.00

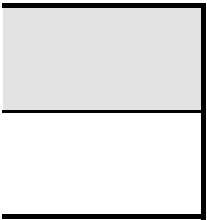
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MODULE	AGRICULTURE			
SUBMODULE	METHANE AND NITROUS OXIDE EMISSIONS FROM DOMESTIC LIVESTOCK ENTERIC FERMENTATION AND MANURE MANAGEMENT			
WORKSHEET	4-1 (SUPPLEMENTAL)			
SPECIFY AWMS	OTHER			
SHEET	NITROGEN EXCRETION FOR ANIMAL WASTE MANAGEMENT SYSTEM			
COUNTRY	0			
YEAR	0			
Livestock Type	A Number of Animals	B Nitrogen Excretion Nex (kg/head/(yr))	C Fraction of Manure Nitrogen per AWMS (%/100) (fraction)	D Nitrogen Excretion per AWMS, Nex (kg N/yr)
				D = (A x B x C)
Non-dairy Cattle				0.00
Dairy Cattle				0.00
Poultry				0.00
Sheep				0.00
Swine				0.00
Others				0.00
TOTAL				0.00

Documentation box:
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This spreadsheet contains sheet 2 of Worksheet 4-1, in accordance with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.

MODULE	AGRICULTURE		
SUBMODULE	METHANE AND NITROUS OXIDE EMISSIONS FROM DOMESTIC LIVESTOCK ENTERIC FERMENTATION AND MANURE MANAGEMENT		
WORKSHEET	4-1		
SHEET	2 OF 2 NITROUS OXIDE EMISSIONS FROM ANIMAL PRODUCTION EMISSIONS FROM ANIMAL WASTE MANAGEMENT SYSTEMS (AWMS)		
COUNTRY	0		
YEAR	0		
STEP 4			
Animal Waste Management System (AWMS)	A Nitrogen Excretion $N_{ex(AWMS)}$ (kg N/yr)	B Emission Factor For AWMS EF_3 (kg N_2O-N /kg N)	C Total Annual Emissions of N_2O (Gg)
			$C=(A \times B)[44/28] / 1\,000\,000$
Anaerobic lagoons	0.00		0.00
Liquid systems	0.00		0.00
Daily spread	0.00		
Solid storage & drylot	0.00		0.00
Pasture range and paddock	0.00		
Other	0.00		0.00
Total	0.00	Total	0.00

Documentation box:

Parties are encouraged to provide relevant information used in the calculation and on data sources in this documentation box.

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This spreadsheet contains Worksheet 4-2, in accordance with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.

MODULE			AGRICULTURE				
SUBMODULE			METHANE EMISSIONS FROM FLOODED RICE FIELDS				
WORKSHEET			4-2				
SHEET			1 OF 1				
COUNTRY			0				
YEAR			0				
Water Management Regime			A Harvested Area (1000 ha)	B Scaling Factor for Methane Emissions	C Correction Factor for Organic Amendment	D Seasonally Integrated Emission Factor for Continuously Flooded Rice without Organic Amendment (g/m ²)	E CH ₄ Emissions (Gg)
							E = (A x B x C x D)/100
Irrigated	Continuously Flooded						0.00
	Intermittently Flooded	Single Aeration					0.00
		Multiple Aeration					0.00
Rainfed	Flood Prone						0.00
	Drought Prone						0.00
Deep Water	Water Depth 50-100 cm						0.00
	Water Depth > 100 cm						0.00
Totals			0.00				0.00

Documentation box:

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This spreadsheet contains sheet 1 of Worksheet 4-3, in accordance with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.

MODULE		AGRICULTURE					
SUBMODULE		PRESCRIBED BURNING OF SAVANNAS					
WORKSHEET		4-3					
SHEET		1 OF 3					
COUNTRY		0					
YEAR		0					
STEP 1					STEP 2		
A Area Burned by Category (specify) (k ha)	B Biomass Density of Savanna (t dm/ha)	C Total Biomass Exposed to Burning (Gg dm)	D Fraction Actually Burned	E Quantity Actually Burned (Gg dm)	F Fraction of Living Biomass Burned	G Quantity of Living Biomass Burned (Gg dm)	H Quantity of Dead Biomass Burned (Gg dm)
		C = (A x B)		E = (C x D)		G = (E x F)	H = (E - G)
		0.00		0.00		0.00	
							0.00
		0.00		0.00		0.00	
							0.00
		0.00		0.00		0.00	
							0.00
		0.00		0.00		0.00	
							0.00
		0.00		0.00		0.00	
							0.00
		0.00		0.00		0.00	
							0.00
		0.00		0.00		0.00	
							0.00

Documentation box:
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This spreadsheet contains sheet 2 of Worksheet 4-3, in accordance with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.

MODULE		AGRICULTURE		
SUBMODULE		PRESCRIBED BURNING OF SAVANNAS		
WORKSHEET		4-3		
SHEET		2 OF 3		
COUNTRY		0		
YEAR		0		
STEP 3				
I Fraction Oxidised of living and dead biomass		J Total Biomass Oxidised (Gg dm)	K Carbon Fraction of Living & Dead Biomass	L Total Carbon Released (Gg C)
		Living: J = (G x I) Dead: J = (H x I)		L = (J x K)
Living		0.00		0.00
Dead		0.00		0.00
Living		0.00		0.00
Dead		0.00		0.00
Living		0.00		0.00
Dead		0.00		0.00
Living		0.00		0.00
Dead		0.00		0.00
Living		0.00		0.00
Dead		0.00		0.00
Living		0.00		0.00
Dead		0.00		0.00
Living		0.00		0.00
Dead		0.00		0.00
Total				0.00

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This spreadsheet contains sheet 3 of Worksheet 4-3, in accordance with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.

MODULE		AGRICULTURE				
SUBMODULE		PRESCRIBED BURNING OF SAVANNAS				
WORKSHEET		4-3				
SHEET		3 OF 3				
COUNTRY		0				
YEAR		0				
STEP 4					STEP 5	
L Total Carbon Released (Gg C)	M Nitrogen- Carbon Ratio	N Total Nitrogen Content (Gg N)	O Emissions Ratio	P Emissions (Gg C or Gg N)	Q Conversion Ratio	R Emissions from Savanna Burning (Gg)
		N = (L x M)		P = (L x O)		R = (P x Q)
				0.00	16/12	CH ₄ 0.00
				0.00	28/12	CO 0.00
0.00		0.00		P = (N x O)		R = (P x Q)
				0.00	44/28	N ₂ O 0.00
				0.00	46/14	NO _x 0.00

Documentation box:

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This spreadsheet contains sheet 1 of Worksheet 4-4, in accordance with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.

MODULE			AGRICULTURE					
SUBMODULE			FIELD BURNING OF AGRICULTURAL RESIDUES					
WORKSHEET			4-4					
SHEET			1 OF 3					
COUNTRY			0					
YEAR			0					
	STEP 1			STEP 2		STEP 3		
Crops (specify locally important crops)	A Annual Production (Gg crop)	B Residue to Crop Ratio	C Quantity of Residue (Gg biomass) C = (A x B)	D Dry Matter Fraction	E Quantity of Dry Residue (Gg dm) E = (C x D)	F Fraction Burned in Fields	G Fraction Oxidised	H Total Biomass Burned (Gg dm) H = (E x F x G)
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
.			0.00		0.00			0.00
Total:								0.00

Documentation box:

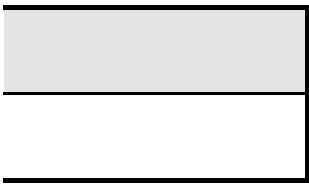
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This spreadsheet contains sheet 2A of Worksheet 4-4, in accordance with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.

Module		Agriculture		
Submodule		Field Burning of Agricultural Residues		
Worksheet		4-4		
Sheet		2 of 3		
Country		0		
Year		0		
Step 4			Step 5	
Crops	I Carbon Fraction of Residue	J Total Carbon Released (Gg C) J = (H x I)	K Nitrogen-Carbon Ratio	L Total Nitrogen Released (Gg N) L = (J x K)
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
.		0.00		0.00
Total:		0.00		0.00

Documentation box:

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This spreadsheet contains sheet 3 of Worksheet 4-4, in accordance with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.

MODULE		AGRICULTURE		
SUBMODULE		FIELD BURNING OF AGRICULTURAL RESIDUES		
WORKSHEET		4-4		
SHEET		3 OF 3		
COUNTRY		0		
YEAR		0		
STEP 6				
	M Emission Ratio	N Emissions (Gg C or Gg N)	O Conversion Ratio	P Emissions from Field Burning of Agricultural Residues (Gg)
		N = (J x M)		P = (N x O)
CH ₄		0.00	16/12	0.00
CO		0.00	28/12	0.00
		N = (L x M)		P = (N x O)
N ₂ O		0.00	44/28	0.00
NO _x		0.00	46/14	0.00

Documentation box:

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This spreadsheet contains sheet 1 of Worksheet 4-5, in accordance with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.

MODULE	AGRICULTURE		
SUBMODULE	AGRICULTURAL SOILS		
WORKSHEET	4-5		
SHEET	1 OF 5 DIRECT NITROUS OXIDE EMISSIONS FROM AGRICULTURAL FIELDS, EXCLUDING CULTIVATION OF HISTOSOLS		
COUNTRY	0		
YEAR	0		
	STEP 1		STEP 2
Type of N input to soil	A Amount of N Input (kg N/yr)	B Factor for Direct Emissions EF_1 (kg N ₂ O–N/kg N)	C Direct Soil Emissions (Gg N ₂ O–N/yr)
			$C = (A \times B) / 1\,000\,000$
Synthetic fertiliser (F _{SN})	0.00		0.00
Animal waste (F _{AW})	0.00		0.00
N-fixing crops (F _{BN})			0.00
Crop residue (F _{CR})	0.00		0.00
		Total	0.00

Documentation box:

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This spreadsheet contains Worksheet 4-5A (supplemental), in accordance with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.

MODULE		AGRICULTURE			
SUBMODULE		AGRICULTURAL SOILS			
WORKSHEET		4-5A (SUPPLEMENTAL)			
SHEET		1 OF 1 MANURE NITROGEN USED			
COUNTRY		0			
YEAR		0			
A Total Nitrogen Excretion (kg N/yr)	B Fraction of Nitrogen Burned for Fuel (fraction)	C Fraction of Nitrogen Excreted During Grazing (fraction)	D Fraction of Nitrogen Excreted Emitted as NO _X and NH ₃ (fraction)	E Sum (fraction)	F Manure Nitrogen Used (corrected for NO _X and NH ₃ emissions), F _{AW} (kg N/yr)
				F = 1 - (B + C + D)	F = (A x E)
0.00				1.00	0.00

Documentation box:

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This spreadsheet contains Worksheet 4-5B (supplemental), in accordance with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.

MODULE		AGRICULTURE				
SUBMODULE		AGRICULTURAL SOILS				
WORKSHEET		4-5B (SUPPLEMENTAL)				
SHEET		1 OF 1 NITROGEN INPUT FROM CROP RESIDUES				
COUNTRY		0				
YEAR		0				
A Production of non - N - Fixing Crops (kg dry biomass/yr)	B Fraction of Nitrogen of non - N - Fixing Crops, (kg N/kg dry biomass)	C Production of Pulses and Soybeans (kg dry biomass/yr)	D Fraction of Nitrogen in N- Fixing Crops, (kg N/kg dry biomass)	E One minus the Fraction of Crop Residue Removed From Field, (fraction)	F One minus the Fraction of Crop Residue Burned (fraction)	G Nitrogen Input from Crop Residues, F ¹ CR (kg N/yr)
						G = 2 x (A x B + C x D) x E x F
						0.00

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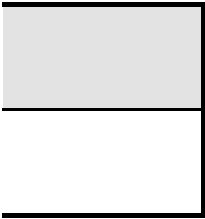
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This spreadsheet contains sheet 2 of Worksheet 4-5, in accordance with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.

MODULE	AGRICULTURE			
SUBMODULE	AGRICULTURAL SOILS			
WORKSHEET	4-5			
SHEET	2 OF 5 DIRECT NITROUS OXIDE EMISSIONS FROM CULTIVATION OF HISTOSOLS			
COUNTRY	0			
YEAR	0			
	STEP 3			STEP 4
	D Area of Cultivated Organic Soils F_{OS} (ha)	E Emission Factor for Direct Soil Emissions EF_2 (kg N ₂ O–N/ha/yr)	F Direct Emissions from Histosols (Gg N ₂ O–N/yr)	G Total Direct Emissions of N ₂ O (Gg)
			$F=(D \times E)/1\,000\,000$	$G = (C+F)[44/28]$
			0.00	0.00
Subtotal			0.00	0.00

Documentation box:
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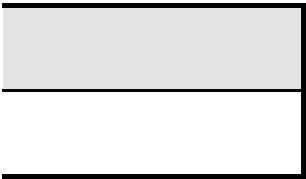


This spreadsheet contains sheet 3 of Worksheet 4-5, in accordance with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.

MODULE	AGRICULTURE		
SUBMODULE	AGRICULTURAL SOILS		
WORKSHEET	4-5		
SHEET	3 OF 5 NITROUS OXIDE SOIL EMISSIONS FROM GRAZING ANIMALS - PASTURE RANGE AND PADDOCK		
COUNTRY	0		
YEAR	0		
STEP 5			
Animal Waste Management System (AWMS)	A Nitrogen Excretion $N_{ex(AWMS)}$ (kg N/yr)	B Emission Factor for AWMS EF_3 (kg N ₂ O–N/kg N)	C Emissions Of N ₂ O from Grazing Animals (Gg)
			C = (A x B)[44/28]/1 000 000
Pasture range & paddock	0.00		0.00

Documentation box:

Parties are encouraged to provide relevant information used in the calculation and on data sources in this documentation box.



This spreadsheet contains sheet 4 of Worksheet 4-5, in accordance with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.

MODULE	AGRICULTURE							
SUBMODULE	AGRICULTURAL SOILS							
WORKSHEET	4-5							
SHEET	4 OF 5 INDIRECT NITROUS OXIDE EMISSIONS FROM ATMOSPHERIC DEPOSITION OF NH ₃ AND NO _x							
COUNTRY	0							
YEAR	0							
STEP 6								
Type of Deposition	A Synthetic Fertiliser N Applied to Soil, N _{FERT} (kg N/yr)	B Fraction of Synthetic Fertiliser N Applied that Volatilizes Frac _{GASFS} (kg N/kg N)	C Amount of Synthetic N Applied to Soil that Volatilizes (kg N/kg N)	D Total N Excretion by Livestock N _{EX} (kg N/yr)	E Fraction of Total Manure N Excreted that Volatilizes Frac _{GASM} (kg N/kg N)	F Total N Excretion by Livestock that Volatilizes (kg N/kg N)	G Emission Factor EF ₄ (kg N ₂ O–N/kg N)	H Nitrous Oxide Emissions (Gg N ₂ O–N/yr)
			C = (A x B)			F = (D x E)		H = (C + F) x G /1 000 000
	Total			0.00	0.00		0.00	

Documentation box:
Parties are encouraged to provide relevant information used in the calculation and on data sources in this documentation box.

This spreadsheet contains sheet 5 of Worksheet 4-5, in accordance with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.

MODULE		AGRICULTURE					
SUBMODULE		AGRICULTURAL SOILS					
WORKSHEET		4-5					
SHEET		5 OF 5 INDIRECT NITROUS OXIDE EMISSIONS FROM LEACHING					
COUNTRY		0					
YEAR		0					
STEP 7					STEP 8	STEP 9	
	I Synthetic Fertiliser Use N _{FERT} (kg N/yr)	J Livestock N Excretion N _{EX} (kg N/yr)	K Fraction of N That Leaches Frac _{LEACH} (kg N/kg N)	L Emission Factor EF ₅	M Nitrous Oxide Emissions From Leaching (Gg N ₂ O–N/yr)	N Total Indirect Nitrous Oxide Emissions (Gg N ₂ O/yr)	O Total Nitrous Oxide Emissions (Gg)
					M = (I + J) x K x L/1 000 000	N = (H + M)[44/28]	O = (G + C + N) (G from Worksheet 4-5, sheet 2, Step 4; C from Worksheet 4-5, sheet 3, Step 5; N from Worksheet 4-5, sheet 5, Step 8).
Total	0.00	0.00			0.00	0.00	0.00

Documentation box:
Parties are encouraged to provide relevant information used in the calculation and on data sources in this documentation box.