

Nicaragua: More Milk and Meat through better breeds
Household Monitoring Tool – 2015

A. General Identification

B. A.i Household Code (QID- Same as baseline)	[]
A.ii Traceability Household number	
A.1 Household ID (Unique as outlined below)	
A.2 Village	
A.2 Date of interview (DD/MM/YY)	
A.3 Extension Personnel name	
A.4 Respondent name	
A.5 Respondent gender (1 = Male; 2 = Female)	
A.6 Relationship to household head (1 = household head 2 = spouse 3 = other family member 4 = other non-family member, 5 = other (specify))	



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C. Animal Movement (Acquisitions and Exits)

B.1 Has the household acquired any cattle Since the last visit? (0=No, 1=Yes) _____

If Yes, Please provide the following information about any entry of cattle into your herd since the last visit for all New animals.

Please enter one row per animal

Animal Category (Code a)	Breed (Code b)	Breed Composition	Date of entry (dd/mm/yyyy)	Source of animal (Code d)	Cattle acquisition		
		(Code c)			Mode (Code e)	Purpose (Code f)	If purchased (purchase price)
(Code a) Animal Category 1=Bulls (> 3 years) 2=Castrated adult males (oxen> 3 years) 3=Immature males (<3 years) 4=Cows (calved at least once) 5=Heifers(female ≥1yr,have not calved) 6=Female calves (between 8 weeks & <1yr) 7=Male calves (between 8 weeks & <1yr) 8=Pre weaning males (<8 weeks) 9=Pre weaning females (<8 weeks)			(Code b) Breed 1= Brown Swiss 2=Brahman 3=Simmental 4= Girolando 5= Jersey 6 = Nellore 7= Creole 8= Holstein 9= Reyna 10 = Unknown cross 11= Other (specify)				
			(Code c) Breed Composition 1= Pure bred 2= >75% 3= 50% 4=25%		(Code d) Source of animals 1 = Cattle breeder 2 = Other small holder farm 3 = Livestock Traders 4= Through project 5=other (Specify)		
(Code e) Mode of acquisition 1= Birth (if not recorded) 2 = Purchased 3= Gift from neighbor/ friend 4=Temporarily owned (from neighbor/friend) 5 = Other (specify)			(Code f) Purpose for acquisition 1= for fattening purpose 2= buying female cow for reproduction 3=Improvement of milk production 4= To sell later 5= Replace an animal that died 6= For animal draft 7= Other (Specify)				

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B.2 Has the household lost or sold any cattle Since the last visit? (0=No, 1=Yes) _____

If Yes, Please provide the following information about **any exits** of cattle from your herd since **the last visit**.

Please enter one row per animal

Animal Category (Code a)	Breed (Code b)	Breed Composition (Code c)	Date of exit (dd/mm/yyyy)	Marketing channel (Code d)	Cattle exit		
					Mode of exit (Code e)	Reason for disposal (Code f)	If Sold (Sale price)
(Code a) Animal Category 1=Bulls (> 3 years) 2=Castrated adult males (oxen> 3 years) 3=Immature males (<3 years) 4=Cows (calved at least once) 5=Heifers(female ≥1yr,have not calved) 6=Female calves (between 8 weeks & <1yr) 7=Male calves (between 8 weeks & <1yr) 8=Pre weaning males (<8 weeks) 9=Pre weaning females (<8 weeks)			(Code b) Breed 1= Brown Swiss 2=Brahman 3=Simmental 4= Girolando 5= Jersey		6 = Nellore 7= Creole 8= Holstein 9= Reyna 10 = Unknown cross 11= Other (specify)		(Code c) Breed Composition 1= Pure bred 2= >75% 3= 50% 4=25<%
(Code d) Marketing channel 1 = Butchery 2 = Abattoir 3 = Feedlots 4 = Individuals 5 = Traders 6= Retailers/Supermarkets 7= other			(Code e) Mode of Disposal 1= Sold for beef 2= Given out as a gift 3= Slaughtered for meat 4 = Death 5 = Other (specify)		(Code f) Reason for disposal 1 = To meet planned household expenses 2 = To meet emergency household expenses 3= Livestock trading as a business 4= Culling because not productive 5= Culling because sick 6 = Other: (specify in cell)		

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D. Feeding information

C.1. Feeding system:

What is the main feeding system used for different categories of animals?

Please enter one row per animal category x breed combination

(C1-C4 the farmer can:

- 1- Manage the feeding by Category e.g., Heifers irrespective of it breed. So the breed can be “Many”
- 2- Manage the feeding by breed irrespective of its category. So the category could be “Many”
- 3- Manage the feeding by Category + Breed

So we add “Many” to both selection lists to account for case 1 and 2)

Animal Category (Codes-a)*	Breed (Code b)*		Breed Composition (Code c)*		Feeding System (code d)	Fodder/pasture provided (code e)	Area grazed (Manzanas)	Number of animals
<p>* Use Codes a, b and c from Table B.</p>					<p>(Code d) feeding system: 1 = Only grazing (free-range or tethered) 2 = Mainly grazing with some stall feeding 3= Mainly stall feeding with some grazing 4=Only stall feeding (zero grazing)</p>	<p>Code e) Fodder type/pasture 1= Pennisetum grasses 2= Planted grasses. eg Rhodes grass, Brachiaria grasses, Panicum grasses 3= Naturalized grasses. Jaragua, Asia 3=Fodder maize 4=Fodder shrubs (Calliandra, Sesbania, Lucaenia) 5=Other fodder legumes (Desmodium, lucern, vetch) 6=Other specify_____</p>		

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C.2. Fodders

Please provide the following details for each fodder type used for cattle production this week.

Please enter one row per animal category x breed combination

Fodder type (code d)	Source of fodder (code e)	If purchased where (code f)	Quantity fed per day in a week				Quantity purchased this week	Total cost	Any treatment before feeding? (code g)
			Animal Category (Code a)*	Breed (Code b)*	Breed Composition (Code c)*	Quantity (in pounds)			
(Code d) Fodder type/pasture			(Code e) Source				* Use Codes a, b and c from Section B		
1= Pennisetum grasses 2= Planted grasses. eg Rhodes grass, Brachiaria grasses, Panicum grasses 3= Naturalized grasses. Jaragua, Asia 3=Fodder maize 4=Fodder shrubs (Calliandra, Sesbania, Lucaenia) 5=Other fodder legumes (Desmodium, lucern, vetch) 6=Other specify _____			1= Own 2= Other Farmer 3=purchased)						
(Code f) Where purchased?			(Code g) Treatment				* Use Codes a, b and c from Section B		
1. = Other farmers 2. = Market, trader 3. = Supplier affiliated to farmer group 4. = Other (specify) _____			1. = No treatment 2. = Stored standing 3. = Cut and stored loose 4. = Chopped using panga 5. = Hand chopped using chaff cutter 6. = Motorized chopping using a pulverizer 7. = Ensiled in situ without additives 8. = Chopped and ensiled with additives (urea, molasses etc.) 9. = Chemical treatment = Other _____						

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C.3 Crop residues

Please enter one row per animal category x breed combination

Residue (Code d)	Source of Crop residue (code e)	If purchased, where (code f)	Quantity fed per day in a week				Quantity purchased this week	Total cost
			Animal Category (Code a)	Breed (Code b)	Composition (Code c)	Quantity (in pounds)		
(Code d) Residue			(Code e) Source				(Code f) Where purchased	
1= green/dry maize stovers and thinnings 2= cereal(wheat,barley,rice etc) straws and millet,sorghum stalks 3=Legume (beans,cow peas,soya etc)haulms 4=Root and tubers peelings (potato,cassava,bananas etc) 5=Crop by products (sweet potato vines, cassava leaves etc) 6= Other (specify in the cell)			1= Own 2= Other Farmer 3=purchased				Where purchased? 1. = Other farmers 2. = Market, trader 3. = Supplier affiliated to farmer group 4. = Other (specify) _____	
* Use Codes a, b and c from Section B								

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C.4 Concentrates

Please enter one row per animal category x breed combination

Concentrate (Code d)	Source of Concentrate (Code e)	If purchased, where (code f)	Quantity fed per day in a week				Quantity purchased	Total cost	How long did it last (days)
			Animal Category (Code a)	Breed (Code b)	Composition (Code c)	Quantity (in pounds)			
(Code d) Concentrate			(Code e) Source			(Code f) Where Purchased			
1.= Commercial dairy meal 2.= Mineral blocks 3.= Bran (Maize, wheat) 4.= Maize germ 5.= Oilseed by-product (Sesame seed, cotton seed, copra, sunflower etc.) 6.=Agro industrial byproducts (vegetable waste, brewer's waste etc.) 7 = Other _____			1= Own 2= Other Farmer 3=purchased)			1. = Other farmers 2. = Market, trader 3. = Supplier affiliated to farmer group 4. = Other (specify) _____			
* Use Codes a, b and c from Section B									

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D Hired and household labor use

D.1 Please provide the details below on the type of activities undertaken by hired labour **since the last visit**

Type of Activity	Non-Household					
	Hired Females			Hired Males		
	No. people	Hrs/Week	Average wage per day	No. people	Hrs/Week	Average wage per day
1. Grazing						
2. Feeding (+ collecting & preparation)						
3. Fodder/feed production <u>on farm</u>						
4. Providing water to the animals						
5. Cleaning of animal shed/shelter						
6. Collection of Farm Yard Manure (FYM)						
7. Milking and milk processing						
8. Selling milk						
9. Selling animals/ animal products (except						
10. Non-Cattle						
11. Other: []						

D.2 Household labor: Have you Employed/ used household labor **since the last visit?** (0=No 1=Yes), if yes, enter the following details:-

Type of Activity	Household						
	Adult Males		Adult Females		Children (< 15 yrs)		
	No. people	Hrs/person/week	No. people	Hrs/person/week	No. people	Gender M/F	Hrs/person/week
1. Grazing							
2. Feeding (+ collecting &							
3. Fodder/feed production <u>on farm</u>							
4. Providing water to the animals							
5. Cleaning of animal shed/shelter							
6. Collection of Farm Yard Manure							
7. Milking and milk processing							
8. Selling milk							
9. Selling animals/ animal products							
10. Non-Cattle							
11. Other: _____							

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E Milk Farm production

E.1 Use of milk for yesterday's milk production

Category of yesterday milk production	Quantity (liters)
Number of calves fed= X	
Liters fed to calves (If suckled= 0, if no calves on Farm = N/A))	
Liters used/consumed by household fresh	
Liters set aside by household for fermentation	
Liters given to relatives, workers etc.	
Liters of fresh milk sold (morning and evening milk)	
Liters lost due to spoilage/spillage on farm	
Liters rejected by buyer	
Total milk offtake (doesn't include fed to calves) – cross-check on the above.	

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E.2 Use of fresh milk

For fresh milk, indicate how much milk you consume and sell now to different types of buyers in liters.

Specify average amount to each type yesterday including morning and evening milk.

G5.1 Fresh milk usage	G5.2 Buyer/ Consumer [Code a]	G5.3 Buyer name	G5.4 Buyer Quality Preference (Code b)	G5.5 Quantity per DAY (Litres)**	G5.6 Price/ Unit (Local currency)	G5.7 Who manages the money (code d)	G5.8 Inputs or goods on credit? (code e)	G5.9 Distance to delivery point (km)	G5.10 Who transports	G5.11 Transport cost	G5.12 Payment (code f)
Milk sold, morning	1										
	2										
	3										
Milk sold, evening	1										
	2										
	3										
Milk consumed (Code c)	1										
	2										
	3										
Milk buyer (Code a)		Quality preference (Code b)		Milk consumed (Code c)		Who manages the money (Code d)		Inputs or goods on credit (Code e)		Payment (Code f)	
1=Individual consumers 2=Private milk-traders 3=Dairy co-op/ group with chilling plants 4= Dairy co-op/ group without chilling plants 5=Privatively owned chilling plants 6=Other (specify)_____		1= Total solids 2=Volume 3=Not chilled 4= Other		1=Consumed by own household 2=Given to relatives 3=Given to labourers 4=Other (specify)_____		1 = household male 2 = household female 3 = joint household (male & female) 4 = non-household member 5 = Other, specify		1= None 2= Buyer provided access to feed on credit 3= Buyer provided access to animal health services on credit 4= Buyer provided access to breeding services on credit 5= Buyer provided access to household goods on credit 6= Other: (specify in cell)		1= cash, no delay in payment 2= at end of month, no delay 3= at end of month, has experienced delay 4=Bank/Mobile banking 5=SACCO 6=other. specify	
						Who transports 1= Farmer 2 = Hired transport, organised by farmer 3 = Hired transport, organised by Coop/ FG/trader 4= other, (specify)_____					

** If other measurement unit, please confirm conversion to liters before leaving the farm

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E.3 Production of milk products

Indicate how much of the following milk products you consume and sell now to different types of buyers. Specify average amount to each type yesterday (or the last day you produced)

G7.1 Fermented milk/ artisan cheese / Cream usage	G7.2 Buyer/ Consumer [Code a]	G7.3 Buyer name	G7.4 Quantity per DAY (Litres/kg)	G7.5 Price/ Unit (Local currency)	G7.6 Who prepares product (Code c)	G7.7 Who manages the money (code c)	G7.8 Inputs or goods on credit? (Code d)	G7.9 Distance to delivery point (km)	G7.10 Payment (code e)
FERMENTED MILK (Leche Agria)									
Milk sold	1								
	2								
	3								
Milk consumed (Code b)	1								
	2								
	3								
ARTISAN CHEESE (CUAJADA)									
Cuajada sold	1								
	2								
	3								
Cuajada consumed	1								
	2								
	3								
BUTTER OR CREAM									
Butter/ Cream Sold	1								
	2								
	3								
Butter/ Cream Consumed	1								
	2								
	3								
CHEESE									
Cheese sold	1								
	2								
	3								
Cheese consumed	1								
	2								
	4								
Legend									
Buyer (Code a)	Consumed by (code b):		Who prepared product /manages the money (Code c)		Inputs or goods on credit (Code d)			Payment (Code e)	
1=Individual consumers 2=Private milk-traders 6=Other (specify)_____	1=Consumed by own household 2=Given to relatives 3=Given to labourers 4=Other (specify)_____		1 = household male 2 = household female 3 = joint household (male & female) 4 = non-household member 5 = Other, specify		1= None 2= Buyer provided access to feed on credit 3= Buyer provided access to animal health services on credit 4= Buyer provided access to breeding services on credit 5= Buyer provided access to household goods on credit 6= Other: (specify in cell)			1= cash, no delay in payment 2= at end of month, no delay 3= at end of month, has experienced delay 4= other. specify	

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E4. Sale of cattle services: Do you sell cattle services? (0=No 1=Yes), if YES, enter details below:-

Services	No of services since last visit	Revenue received	Who received and decided how money was used? (code)
Bull services			
Draft power			
Other (specify)			
Who receives and decides how money is used			
1. HH male		4. Non-household member	
2. HH female		5. Other (specify)_____	
3. Joint HH (male & female)			