

**African Dairy Genetic Gain (ADGG)
Farm registration 2016**

A. Cover information

A1. Date of Survey (DD/MM/YYYY) :		/ /	
A2. Enumerator Name :			
		Livestock owner	Person responsible at farm
A3. Head of Household Name :	A3.1	Male or Female	A3.2
A4. Mobile number:	A4.1		A4.2
A5. Did the household consent to the interview? (1=YES 2= No)	A5.1 []		A5.2 []
A6. If no, why? (code a)			
		Livestock owner	Person responsible at farm
A8. Time interview started : HH MM::	A8.1		A8.2
A9. Time interview ended: HH MM::	A9.1		A9.2
A10. Common currency* unit: Tanzania Shillings,, Ethiopian Birr			
A11. Municipality Name :			
A12. Community/ Village Name :			
A13. Head of Household Name/ : (replacement name if original Head above refused)			
A14. Name of survey Respondent: M or F?		A14.1 Farming time: [] 1=full-time 0=part-time	
Reason for refusal		Livestock owner	Person responsible at farm
A15. Relationship of survey respondent to Household Head (code b) :			
A16. Household GPS Coordinates:	A17. Latitude (N/S):		A18. Longitude (E/W):
a) No Consent		b) Respondent relationship	
1 = Respondent refuses to participate 2 = Respondent does not have the time 3 = Household head (or other knowledgeable member) is not present at the house 4=Other: (specify in cell)		1 = household head 2 = spouse 3 = other family member 4 = other non-family member	

**use common currency unit throughout survey*

African Dairy Genetic Gain (ADGG)
Farm registration 2016

B. Household Roster

B1 Name	B2 Mobile number:	B3 Relationship to HH head (code a)	B4 Gender (1 = Male, 2 = Female)	B5. Age group (Code b)	B6 Education		B7 Main activities (code d) mention all
					B6.1 Number of years of schooling	B6.2 Level of Education (code c)	
a) RELATIONSHIP TO HEAD		c) HIGHEST LEVEL OF EDUCATION		d) MAIN ACTIVITIES			
1 = Head 2 = Spouse 3 = Child 4 = Sibling (sister or brother) 5 = Parent 6 = Grandchild 7 = Other relative 8 = Non-relative (including employees who live in house) 9 = Other (specify)		0=No formal and illiterate 1=No formal but literate 2= Primary school 3= High / secondary school 4= College 5= University 6= Child below school age (6 years) 7= Other (specify)		1 = Crop farming 2 = Livestock & poultry farming 3 = Livestock production 4 = Livestock milk production 5= Livestock meat production 6 = Trading in livestock and livestock products (not own) 7 = Trading in agricultural products (excluding livestock!) (not own produce) 8 = Formal Salaried employee (e.g. civil servant, domestic work) 9 = Business – trade / services (non-agric.) 10 = Not working / unemployed 11 = Old/Retired/pension 12 = Infant (<6 years) 13 = Student/ pupil 14 = Disabled 15 = Other (specify)			
b) Age group							
1= Infant (below 2 years) 2=Child below school age (2-6 years) 3= School going child(6-15 years) 4= Teenage/ Youth (15-20 years) 5= young adult (21-30 years) 6= Middle age adult (31-45 years) 7= Elder (>45 years)							

African Dairy Genetic Gain (ADGG)
Farm registration 2016

C. Land-in acres

C1. Parcel* ID	C2. Size of this parcel in acres	C3. Tenure system (Code a)	C4. Legal Situation (Code b)	C5. Primary USE of the land parcel : (code c)	C6. If parcel is <i>owned</i> , who owns (Code d)
1					
2					
3					
4					
a) Tenure System		b) Legal Situation		c) Land parcel use	d) If owned, name on title/ certificate
1= Own 2=Family 3= Rented 4= Borrowed 5= Other (specify)		1= With title deed registered 2= With title deed not registered 3= Agrarian reform deed 4= Sale contract / deed 5= Community land		1=Staple crops 2= Vegetable 3= Pastures 4= Forages 5= Fallow 6= Forest 7= Fruits 8= House 9= Other specify	1= household head 2= spouse 3= other male 4= other female 5= joint (household head and spouse) 6=other specify

African Dairy Genetic Gain (ADGG)
Farm registration 2016

D. Water :What are your main sources of water for your domestic use and your animals and do you pay for it (please fill in the table below)?

D18. Use	D19. Main water source 1=borehole 2=well 3=river 4= Roof Harvested rainfall 5= Water pan 6= Water company 7 = Other specify	D20. Distance to waterpoint and time taken to go to the waterpoint				D21. Do you pay? Yes=1; No=2.	D22. If yes, what is your ave. monthly cost per head?	D23. Do you transport water to cattle post/home? If yes, Which mode of transport do you use?				D24. Average annual transport cost for transporting water.
		D20.1 Dry season		D20.2 Rainy season				D23.1 (1=Yes, 0=No)	D23.2 Mode of transport (code a)	D23.3 Who transports water (Code b)	D23.4 Are there constraints to accessing water? (1=Yes, 0=No) If so, what? (Code c)	
		D20.1.1 Distance (Kms)	D20.1.2 Time (hrs)	D20.2.1 Distance (Kms)	D20.2.2 Time (hrs)							
1.Home use												
2.Livestock use												
(Code a) Mode of Transport: 1= Own car 2=Hired car 3= Carrying		4= cart (animal drawn) 5= Other specify		(Code b) 1= adult male 2= adult female 3= Young male 4= young female		Code c 1= Long Distance to watering points 2= Poor quality 3= Seasonality in supply						

D25. Is water always available to your animals throughout the day & throughout the year? (Yes=1, No=2) []

D26. If No, how frequently do you give your animals water in a day?

D26.1 [___] (number of times/ day) during rainy season

D26.2 [___] (number of times/ day) during dry season

D 27. Who is responsible for watering animals (use **code b** in table above)

African Dairy Genetic Gain (ADGG)
Farm registration 2016

E. Livestock inventory

E1 Livestock Species		E1.1 Number owned by male	E1.2 Number owned by Female	E1.3 Number owned jointly
1.Cattle	a. Local			
	b. Cross			
	c. Exotic			
2.Goats	a. Local			
	b. Cross/ exotic			
3.Sheep	a. Local			
	b. Cross/ exotic			
4.Poultry	a. Local			
	b. Exotic			
5. Pig	a. Local			
	b. Cross/ exotic			
6. Donkeys/Horses				
7. Rabbits				
8. Other, specify				

F. Cattle inventory

F1 Animal category (codes)	F2 Breed (codes)	F3 Grade (codes)	F4 Number owned	F5 Average body condition (1 to 5)
Animal category	Breeds	Grades		
1 =Bulls (>3 yrs) 2 =Castrated adult males (oxen>3 yrs) 3= Immature males (< 3 yrs) 4= Cows (calved at least once) 5= Heifers(female ≥1yr,have not calved) 6=Female calves (between 8 wks &<1yr) 7=Male calves (between 8 wks &<1yr) 8= Pre weaning males (<8 wks) 9= Pre weaning females (<8 wks)	1= Brown Swiss 2= Holstein 3= Ayrshire 4= Jersey 5= Guernsey 6 = Sahiwal 7= Sheko 8= Boran 9 = Zebu 10 = Unknown cross 11= Other (specify)	1= High Grade 2= Low Grade 3= Unknown cross		

African Dairy Genetic Gain (ADGG)
Farm registration 2016

G. Do you keep regular records of your Cattle (breeding/ vaccination etc)? (Yes=1,No=2)

If yes--if so, which type of records do you keep?

G.1 Breed type	G2 Types of records kept
Indigenous/ Local	
Cross-breds	
Exotics	

G3 Do you own any tools/ items that are used for in management practices of Cattle? (Yes/ No)

If YES, Which ones: List (Codes)

G3.1 Equipment Codes
a) Spraying pump
b) Burdizzo
c) Ear Tag applicators
d) Panga/ slasher
e) Hoe
f) Other Specify

African Dairy Genetic Gain (ADGG)
Farm registration 2016

H. Technologies and Services

H1. Breeding services access questions

	Own bull service	Other bull service	AI service
H1.1. Is the technology available within your locality? (0= NO; 1=YES)			
H1.2. How many times have you used this service in the last 12 months?			
H1.3. What is the average cost per service?			
H1.4. Reasons for use /non-use of method *** (Code c)	[] [] [] []	[] [] [] []	[] [] [] []
H1.5. How many different service providers can you access for this type of service			
H1.6 Names of service providers you can access/use (Code a)		1.[_____] 2.[_____] 3.[_____] 4.[_____]	1.[_____] 2.[_____] 3.[_____] 4.[_____]
H1.7. What is the distance from your farm to the service providers/bull owner?		1.[] 2. [] 3. [] 4.[]	1.[] 2. [] 3. [] 4.[]
H1.8. How long (years) have you used the service provider named above?		1.[] 2. [] 3. [] 4.[]	1.[] 2. [] 3. [] 4.[]
H1.9. How many times have you changed service providers in the last two year?			
H1.10 Who made the decision to use the service/ service provider? (Code b)			
H1.11 Which are your preferred breeding methods? (Tick as accordingly)			
H1.12. Reasons for preference	[] [] [] []	[] [] [] []	[] [] [] []
H1.13. Which breeding method don't you like? (Tick accordingly)			
H1.14. Reasons for dislike *** (Code c)	[] [] [] []	[] [] [] []	[] [] [] []
SOURCE OF AI /BULL SERVICE (code a)		WHO MAKES THE DECISION TO USE THE SERVICE / WHO USED THE SERVICE (Code b)	
0=Have not done any breeding before 1= own bull 5= government/ public AI provider 6= project/ NGO AI provider 7= coop/ group AI provider		1 = household male 2 = household female 3 = joint household (male & female) in HH	

African Dairy Genetic Gain (ADGG)
Farm registration 2016

2= other farmer 3= bull schemes 4= private AI provider	8= other, specify	4 = non-household membe 5 = other, specify
***REASONS FOR USE/NON-USE/PREFERENCE (Code c)		
1 = Is cheap 2 = Easily accessible (service provider can easily be reached) 3 = Readily available when cow is on heat 4 = Higher success rates (not too many repeats) 5 = Offers calf with desired traits	6 = Offers a wide variety of breeds 7 = Frequently provides female calves 8 = Offers access to sires with known history 9 = Helps avoid inbreeding 10 Other specify	

H2. Animal health services:

	Anthelmintics (deworming)	Tick control	Vaccination	Curative treatment	Other, specify
H2.1 Is the service available? (0= NO; 1=YES)					
H2.2. How many times have used this service in last 12 months					
H2.3. Against what disease was the service provided? (Codes a)			[] [] []	[] [] []	[] [] []
H2.4. Who provided the service? (Codes b)	[] [] []	[] [] []	[] [] []	[] [] []	[] [] []
H2.5. What was your total expenditure in the last 12 months (put 0 if none)					
H2.6. When was the last intervention? (MM/YY) (00/00 if never)					
H2.7. When was the last intervention in response to a specific problem?					
H2.8. Name of service provider					
H2.9. Who made the decision to use the service/ service provider? (codes c)					
DISEASES (Codes a)					
0=I don't know					
1= Tick-borne disease (East coast fever, Anaplasmosis, Babesiosis etc)					
2=Other vector-borne disease (Trypanosomosis)					
3=Notifiable diseases (Foot & mouth disease, Lumpy skin disease, Anthrax, Rabies etc)					

African Dairy Genetic Gain (ADGG)
Farm registration 2016

4 Routine management-related and controllable diseases (Foot rot, Mastitis, worms, bloat etc)	
5= Nutrition diseases and complications (e.g. Milk fever)	
6= General frequent infections (e.g. Respiratory/ Pneumonia, Diarrhoea)	
7=Skin problems (e.g Mange etc)	
8=Other specify	
Who provides this service (codes b)	
1= Self/ Neighbour with professional advice	6= Coop/ group staff
2= Self/ Neighbour without professional advice	7= Agrovot shop
3= Animal health service provider/paravet	8 = Community dip
4= Government veterinarian	8=other, specify
5= Project/ NGO staff	
WHO MAKES THE DECISION TO USE THE SERVICE / WHO USED THE SERVICE (Codes c)	
1 = household male	4 = non-household member
2 = household female	5 = other, specify
3 = joint household (male & female) in HH	

H3. Feeding

H3.1. What is your main system of keeping cattle? (Tick)

Mainly grazing (Free range or tethered) Mainly grazing with some stall feeding

Mainly stall feeding with some grazing Mainly stall feeding

H3.2. Which are the main Feeding systems that you used during the last 12 months for your different breeds and species?

H3.2.1 Animal Category (Use Codes- a)	H3.2.2. Breed (use codes)	H3.3.3 Grade (use codes)	H4. Rainy season (code b)	H5. Dry season (code b)
Code a) Animal Category:			Code b) feeding system:	

African Dairy Genetic Gain (ADGG)
Farm registration 2016

<p>1= Bulls (>3 yrs) 2 =Castrated adult males (oxen>3 yrs) 3= Immature males (< 3 yrs) 4= Cows (calved at least once) 5= Heifers(female ≥1yr,have not calved) 6=Female calves (between 8 wks &<1yr) 7=Male calves (between 8 wks &<1yr) 8= Pre weaning males (<8 wks) 9= Pre weaning females (<8 wks)</p>	<p>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>
---	---

H6. Do you grow improved fodder or pasture? (Yes=1, No=2) [] if No proceed to H14

Enter different fodder and pasture species in different rows.

H7. Which ones? (code a)	H8. land under improved fodder or pasture		H9. Cut& carry (C) or Grazed in situ (G)?	H10. What seeds planting material are you using? (code b)	H11. Any treatment before feeding? (code c)	H12. Cost per year of growing	H13. Where do you get the information on fodder/pasture cultivation? (code d)
	Area (acres)	Paddocks (Numbers)					
1.							
2.							
3.							
4.							
5.							
6.							
Fodder type/pasture (code a)			What seeds/planting material are you using (Code b)	Treatment (Code c)	Information Source (Code d)		
1= Pennisetum grasses 2= Planted grasses. eg Rhodes grass, Brachiaria grasses, Panicum grasses 3= Naturalized grasses. Jaragua, Asia 3=Fodder maize			1=Recycled from own farm 2=Recycled from other farmers 3=Improved seeds 4=Other, specify	0= no treatment 1= Stored standing 2= Cut and stored loose 3=chopped using Machete 4= hand chopped using chaff cutter	1= extension agent 2= Research/ training institute 3=Coop or group 4= Private extension provider e.g. agro vet shop/ company		

African Dairy Genetic Gain (ADGG)
Farm registration 2016

								this activity?
1.								
2.								
3.								
4.								
Crop residues (code a)					Where purchased? (Code b)		c) Transport mode (code c)	
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= other farmers 2= trader 3. LAC 4= other, specify		1= Owned car 2= = Hired car 3= Taxi or bus 4.seller provider transport = other..... (specify)	

H30. Do you feed cattle concentrate feeds, by- products and mineral supplements or licks? [Yes=1; No=2] [], if no proceed to H40.

H31. Which ones? (Code a)	H32. Average monthly cost during months when purchased	H33. Which animal types are fed with it? (code b)	H34. Kgs fed/ animal/ day (when fed)	H35. How many months/ year do you feed these?	H36. Where purchased? (code c)	H37. Where did you get the info? (Code d)	H38. How do you transport the feed?(code e)	H39. Average annual transport cost for this activity?
Feed type (code a)		Animal category (Code b)	Where purchased (Code c)		Information source (code d)	Transport mode (Code e)		

African Dairy Genetic Gain (ADGG)
Farm registration 2016

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 specify	1= all 2= cows only 3= lactating cows only 4= calves only 5= other, specify	1= agroveter shop 2=other farmers 3= market, trader 4= other, specify in cell	1=extension agent 2= Research/ training institute 3= coop or group 4= Private ext provider e.g agro vet shop/company 5 = NGO/Project 6= other, specify	1= Owned car 2= = Hired car 3. Taxi or bus 4. Other (Specify)
---	--	--	--	--

H40. Do you vary the feeding as well as grazing depending on stage of lactation? (Yes=1, No=2) []

H41. Do you vary the feeding and grazing depending on fattening? (Yes=1, No=2) []

**African Dairy Genetic Gain (ADGG)
Farm registration 2016**

H42. Do you keep cattle in a housing premise? [___] 1 = Yes 2 = No.

H43. If yes provide details on **cost** of the building materials used in construction **including expansion**

	Indicate Details	Cost of unit/ structure
H43.1 Type of unit (Permanent, Semi-		
H43.2 Size of Unit		
H43.3 Who constructed unit (Farmer / Artisan)		
H43.4 Materials used for construction of unit		
Wood		
Cement/Stone/Sand/Bricks		
Thatch/Makuti/Grass		
Iron sheets		
H43.5 When was the unit built (year)		
H43.6 Structures in / around unit,		
Water tank		
Water troughs		
Feed troughs		
Milking stalls		

H44. Do you have any other cattle enterprise structure separate from shed [___] = YES [___] = NO

(collect at second level)

Structure	Total Construction Cost	Year Built	Annual Maintenance cost
H44.1 Feed stores			
H44.2 Cattle handling crush			
H44.3 Biogas plant			
H44.4 Other (specify)_____			

African Dairy Genetic Gain (ADGG)
Farm registration 2016

M. Membership of groups

M1. Is there any household member who is a member of a group/ cooperative? (Yes=1, No=2) [].
If No proceed to section N.

M2. Name of group/ cooperative*	M3. Type of group (code)	M4. Main function that this group performs for you (up to 2)	M5. Does the group help with Livestock marketing? [Yes=1; No=2]	M6. Does the group help with Livestock production? [Yes=1; No=2]	M7. How many men in the HH belong to this group?	M8. How many women in the HH belong to this group?
1.						
2.						
3.						
4.						
Type of groups (main function)				Main functions		
1 = social/ welfare & community development groups				1= provides access to milk market		
2 = savings and credit groups/Sacco				2= provides access to inputs and services for dairy		
3 = agricultural producer groups				3= provides training/ advisory for dairy		
4 = livestock producer groups				4= provides access to market for crops		
5 = agricultural marketing groups				5= provides access to inputs and services for crops		
6 = livestock marketing groups				6= provides training/ advisory for crops		
7 = Other, specify				7= provides ways to save money and get credit		
				8= social functions and networking		
				9=other specify		

**Complete one row per group which the household (any person) is a member of*