Additional File 2

Questionnaire for dairy farmers

c. Pigs_____

Farm ID: Date: MINISTRY OF AGRICULTURE LIVESTOCK AND FISHERIES DIRECTORATE OF VETERINARY SERVICES INSTITUTE Survey Questionnaire: BSv1.6 Prevalence and Risk Factors for Foot-and-Mouth Disease in Small Scale Dairy Farmers in Nakuru County and its Environs **Baseline Data** 1. Position at the farm: (please circle the correct choice) a. Owner b. Employee c. Milker d. Herdsman e. Manager f. Other 2. GPS coordinates: longitude_____ latitude_____ 3. Age in years: _____ 4. Level of education? a. None b. Primary c. Secondary d. Certificate e. Diploma f. Degree g. Post graduate 5. How many years have you been doing dairy farming? 6. What is the size of farm (where the cattle are) in acres? 7. What other species are found in your farm (state number): a. Goats _____b. Sheep _____

a. Stall feedingb. Semi grazing (a feeding)	do you use for your animals? Animals allowed to graze but add	Female
1-2 years >2 years Risk factors 9. What grazing methods a. Stall feeding b. Semi grazing (a feeding)		
1-2 years >2 years Risk factors 9. What grazing methods a. Stall feeding b. Semi grazing (a feeding)		
>2 years Risk factors 9. What grazing methods a. Stall feeding b. Semi grazing (a feeding)		
Risk factors 9. What grazing methods a. Stall feeding b. Semi grazing (a feeding)		
9. What grazing methods a. Stall feeding b. Semi grazing (a feeding)		
a. Yesb. Noc. Don't know	grazing fields to feed your animal grazing fields to feed your animal grazing how grazing varies for each spectration.	cies: Communal grazing?
	1 = Zero; 2 = semi grazing; 3 = pasture only	Y=Yes; N=No
	5 - pastare only	
attle	5 - pusture only	
	o – pusture only	
attle heep oat	5 - pusture only	

a. Yes	
b. No	
14. Do you share workers with other surrou	nding farms?
a. Yes	C
b. No	
c. Don't know	
15. Do employees commute from outside th	e farm?
a. Yes (go to question 16)	
b. No (go to question 17)	
c. Don't know (go to question 17)	
16. If yes to the question above, do any of the	he commuting workers own animals?
a. Yes	
b. No	
c. Don't know	
17. Do you share equipment with surroundi	ng farms?
a. Yes	
b. No	
c. Don't Know	
18. Is your farm next to a road (where anim	als and/or people pass through)?
a. Yes	
b. No	
_	en reports of presence of buffaloes, antelopes,
wild pigs or other wild animals? Please	complete grid,
Species	Yes/ No
Buffalo	
Antelope	
Wild pigs	
Other (please state)	
20. Where do you get your replacement stoo	ck?
a. Buying from cattle markets	
b. Buying from surrounding farms	
c. From my own animals	
d. Other (please state)	
21. If you buy your replacement stock, what	number of cattle did you buy in the last 1 year?
	
Knowledge and occurrence of FMD	
22 Have you heard of fact and mouth discs	000
22. Have you heard of foot and mouth disea	15C !
a. Yes (go to question 23)	

b. No (go to question 24)
23. What signs do you see in animals affected with foot-and-mouth disease?

c. _____

24. Do you call a veterinarian/	animal health assistant when the	nere is a case of foot and mouth
disease on your farm? a. Yes		
a. res b. No		
c. Don't know		
** = :	nd mouth disease case do vo	ou report it to the veterinary
authorities?	id mouth disease ease do ye	or report it to the vetermary
a. Yes		
b. No		
c. Don't know		
	f foot and mouth disease in the	e farm in the last 6 months?
a. Yes	1 100t and mouth disease in the	raini in the last o months:
b. No		
c. Don't know		
	case of FMD in your farm? (M	Ionth/year)
a/	•	ionin'i your)
b. Can't remember		
	u have at the time (if don't kno	w. write "DK")?
5	affected (if don't know, write '	, _
30. Were the affected animals		,
a. Yes (If yes, how m	_	
b. No	,	
c. Don't know		
31. Of the animals affected ho	ow many were:	
31. Of the animals affected ho	ow many were: Male	Female
31. Of the animals affected how contains a second s		Female
		Female
< 6 months		Female
< 6 months 6-12 months	Male	Female
< 6 months 6-12 months 1-2 years	Male	Female
< 6 months 6-12 months 1-2 years >2 years	Male	
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d	
e	
36. Do you usually vaccinate your animals for FMD?	
a. Yes	
b. No (go to question 34)	
c. Don't know (go to question 34)	
37. How many times in a year do you usually do this?	
38. At what age (in months) do you start vaccinating your animals?mo	onths
39. Who usually vaccinates your animals?	
a. Private veterinarian	
b. Private animal health assistant	
c. Government veterinarian	
d. Government animal health assistant	
e. Other (please state)	
40. When did you last vaccinate for FMD? (mm/yy)?/	
Milk Production and Delivery	
41. How much milk did your farm produce today? litres	
42. How much of this did you (or will you) sell? litres	
43. Do you sell milk to a cooperative society?	
a. Yes - please provide name	
b. No	
c. Don't know	
44. How is the milk transported from the farm?	
a. Farmer delivers direct to dairy	
b. Farmer leaves at a collection point	
c. Milk is collected at farm gate by dairy	
d. Milk is collected at farm gate by hawker	
e. Other (please state)	
45. How do you preserve the milk until delivery to the dairy?	
a. Refrigeration	
b. Addition of chemicals. If so which ones?	
c. Immersion in cold water.	
d. No action taken	
46. What do you do with the milk during a foot and mouth disease outbreak?	
a. Sell it to the cooperative society	
b. Consume it at home	
c. Sell it to others	
d. Dispose of it	
e. Other (please specify)	