

# Economic analysis of cattle production in the FMD protection zone of South Africa: FMD direct and indirect impact and potential benefits of commodity-based trade. Questionnaire 2

## Demographics information

Household/herdsman name

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Gender

- Male
- Female

Cellphone number

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Stock card number

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Name of dip tank

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Province

- Mpumalanga
- Limpopo

Village name

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**GPS coordinates**

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latitude (x.y °)

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longitude (x.y °)

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altitude (m)

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accuracy (m)

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**What is your main occupation**

- Farming
- Government employee
- Own business
- General employee
- Household keeper
- Student
- Other

**Specify other**

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**Please tick the box corresponding to your age range***In years*

- 18-28
- 29-40
- 41-50
- 51-60
- More than 60

**What is the highest level of education you completed ?**

- Doctorate/Ph.D
- Masters
- Professional
- Bachelors
- College
- Secondary school
- Middle school
- Elementary
- None
- Other

**Specify other**

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## General livestock management

What livestock species are you raising ?

- Poultry
- Pigs
- Goats
- Sheep
- Cattle
- Other

Specify other

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Please report the number of cattle you own

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Please report the number of sheep you own

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Please report the number of goats you own

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Please report the number of poultry you own

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Please report the number of pigs you own

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**Please report the number of other type of livestock you own that was mentioned above**

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**Which of the following categories of cattle do you own**

*select all that apply*

Cows

Bulls

Oxen

Heifers

Calves

**Please report the number of cows you own**

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**Please report the number of bulls you own**

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**Please report the number of oxen you own**

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**Please report the number of heifers you own**

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**Please report the number of calves you own**

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**Do you believe there is enough pasture available for grazing your cattle ?**

- Yes
- No

**Who is in charge of grazing your animals ?**

- Primary owner of cattle
- Other household member
- Hired herdmen
- Cattle are grazing unattended
- Other

**Specify other**

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**Identify the major feeding practices for cattle you raise in the past 12 months**

- Only grazing on pasture
- Only feeding concentrates or roughages
- Mainly grazing, with some supplemental feeding
- Mainly feeding, with some grazing

**Do you have dairy cows on your farm?**

- Yes
- No

**In the last 12 months, did you use an identification system for the livestock you own ?**

- Yes
- No

**Please describe the identification system that you employ**

- Ear tagging
- Bells
- Hot-iron branding
- Painting
- Other

**Specify other**

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**FMD knowledge and practices****Do you know a disease called foot-and-mouth disease (FMD) ?**

- Yes
- No

**What local name do you call FMD ?**

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**What does this name mean ?**

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**What do you think causes FMD ?**

- Ticks
- Worms in cow feaces
- Virus
- Buffalo/wildlife
- I don't know
- Other

**Specify other**

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**Have you seen this disease before in your livestock ?**

- Yes
- No

**What are the main clinical signs ?**

- Ticks seen on the skin
- Abortion in the pregnant cows
- Salivation/drooling
- Death of calves after feeding from infected udder
- Watery eyes
- Black patches on muzzle
- Weight loss
- Decrease in milk production
- Lameness
- Other

**Specify other**

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**How does FMD spread ?**

- External parasites (eg., ticks)
- Transporting cattle
- Contaminated feeds
- Manure of sick cattle
- Through contact with urine of infected cattle
- Infected meat or milk
- Contact with wildlife (eg., buffalo)
- Too much rain
- Dog bites
- Buying cattle from auctions
- Other

**Specify other**

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**What is the effective treatment for FMD ?**

- Traditional medicine
- Injection of antibiotics (eg., oxytetracycline)
- Injection of dewormer (eg., ivomec)
- Nothing is effective
- Other

**Specify other**

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**What can be done to prevent FMD ?**

- Avoid wildlife (eg., buffalo)
- Dipping the animal
- Injection of antibiotics (eg., oxytetracycline)
- Vaccination
- Nothing can be done to prevent FMD
- Other

**Specify other**

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**Can people develop FMD from their animal ?**

- Yes
- No
- I don't know

**The currently used vaccine is effective in preventing FMD outbreaks?**

- Strongly agree
- Agree
- Neither agree nor disagree
- Disagree
- Strongly disagree

**Would you like to complete more detailed questions and allow us to visit your holding for more details on cattle production ?**

- Yes
- No

**When can we visit your homestead for more details about the cattle health and production ?**

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yyyy-mm-dd

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hh:mm

THE END! THANK YOU FOR YOUR TIME

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