




W FMD Week 2010

Characteristics of some of FMD outbreaks in Iran

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Outbreaks in Jam County (Bushehr Province)

- Report of lambs and kids mortality in Jam County in the middle of Feb 2010
- Visiting the area in 27 and 28th of Feb. 2010
- At the end of January a nomadic sheep herd settled in the pastures around SarCheshme village.
- After few days death in the herd began, one of the signs being lameness, (Approx. 60 adults and lambs & kids deaths out of 650 animals)
- A friend and animal keeper from SarCheshme helped the nomads to deal with deaths
- After a few days the disease appeared in his herd in the village
- Later on most of the other herds in the village affected including cattles
- FMD vaccination on 28th Jan.

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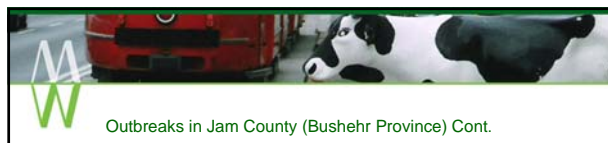
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summary

- In the last months of 2009 and first half of 2010 FMD outbreaks in Iran increased considerably.
- The most important reasons for the outbreaks are:
 - animal movement (Herds belonged to Nomadics, movement for fattening purposes, smuggling animals from neighbouring countries)
 - not observing biosecurity

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Outbreaks in Jam County (Bushehr Province) Cont.

- About 15 Feb, a farmer from Cori Hayati village bought 2 goats from SarCheshme (60 kms far from each other)
- He added them to his herd at the outskirts of the village
- 2 days later disease and mortality began in his herd
- At the day of visiting (27 feb) all the cattles had FMD lesions in the mouth and hooves, some fmd vesicles in the hooves of goats
- FMD vaccination on 2nd feb. cattle, 12th feb. for sheep & goat
- The rest of the village was free of the clinical disease
- In necropsy of 2 adult goats, enterotoxemia and pulpy kidney

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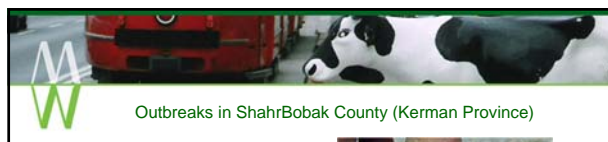
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3 FMD outbreaks investigated in south, center and north of country show the importance of animal movement and biosecurity in the outbreaks



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Outbreaks in ShahrBobak County (Kerman Province)

- Reports of kids and lambs mortality related to Fmd in the province,
- ShahrBobak the most affected county
- Visiting the area on 20 & 21st of April 2010
- Investigating in 3 villages and 4 semi nomadic sites
- Only in 1 semi nomadic and 1 village (Chah-e-Shohadaye Gong) clinical signs of fmd observed
- Most were ppr



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FMD outbreak in Chah-e- Shohadaye Gong

.About 20 families lived in the village
 .All had few cattles (Confined and feeding at home)
 and some sheep and goats feeding in 2 separate herds
 in the pastures around

- One herd of sheep and goats belonging to 5 family had lameness, the cattle belonged to them had lesions of fmd
- The other herd had no lameness, in the cattles no clinical fmd


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Conclusion

1. Animal movement and not observing strict biosecurity are the main causes of FMD outbreaks
2. There must be strict epidemiological studies about the outbreaks
3. In the 3rd phase of EU-FMD project which recently signed a lot of epidemiological studies expected

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Outbreaks in Sari County (Mazandaran Province)

- Reporting FMD outbreaks after vaccination, condemning vaccine (similar reports from other provinces)
- Visiting ShirinBull village,
- A day after vaccination a lot of clinical disease and mortality appeared,
- the disease was present in the village before vaccination
- Maybe infected needles caused the intensity of the disease ?
- The same history in the next village (Toghdar)

•In West Azarbayjan and Lorestan provinces they stopped sheep and goat vaccination for the same reason.


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Acknowledgments

Dr Ghesari for PPR pictures.

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Thank you for your attention

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