

What has been essential to measure to obtain (or manage) progress? What can we further improve?

Model:

FMD Control in Israel

Hagai Yadin

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W FMD Week 2010

eoFMD

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VIENNA, AUSTRIA - 27TH SEPTEMBER - 1ST OCTOBER

FMD Control in Endemic Areas

Consist on

Control policy by Prevention

- Veterinary Services
- Registration
- Surveillance
- Vaccination
- Vaccine availability



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FMD Control in Endemic Areas

Consist on

Control policy By Prevention

- Veterinary Services - V
- Registration -
- all livestock tagged & central registered.



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• Vaccination

What has been essential to measure to obtain (or manage) progress? What can we further improve?

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- Progress in FMD control = Progress in vaccination campaign .

- Progressive expanding the number of vaccinated herds:
- Dairy cattle.
- Native cattle / beef.
- Small ruminants.
- Aim – 150% vaccinations (young animals twice a year)

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FMD Control in Israel an endemic area

FMD Susceptible live stock in Israel

- Dairy cattle- 120.000
- Feed lot - 100.000
- Beef cattle 200.000
- Sheep -1.200.000
- Goats - 50.000
- Pigs - 30.000



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Composition of FMD Vaccine used in Israel

- Cattle Vaccine – Tri valent
 - O** O1 Manisa
 - O - Geshur Isr/2/85
 - Prefer O1 Iran 2005
 - O – 3039
 - A** A22
 - A Iran 2005
 - A 4165
 - Asia1** Shamir
- Sheep vaccine – Bi valent
 - O** O1 Manisa
 - O - Geshur Isr/2/85
 - Prefer O1 Iran 2005
 - O – 3039
 - A** A Iran 2005

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What has been essential to measure to obtain (or manage) progress? What can we further improve?

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- Evaluate status presence of FMD.
- Virus isolation out suspected cases.
- Trained staff for samples collection from suspected cases.
- Laboratory facilities and staff for evaluating the suspected samples.

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What has been essential to measure to obtain (or manage) progress? What can we further improve?

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- Evaluate status presence of FMD.
- During FMD free period
- samples collection according to statistical and districts planed surveillance program for Virus isolation & NSP .
- Trained staff for samples collection.
- Laboratory facilities and staff for evaluation of the collected samples.

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FMD Control in Endemic Areas

Control policy

- **Vaccine Control**
- Upon arrival each batch
- Tested for serological response in 10-15 calves.



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FMD Control in Endemic Areas

Control policy - Surveillance

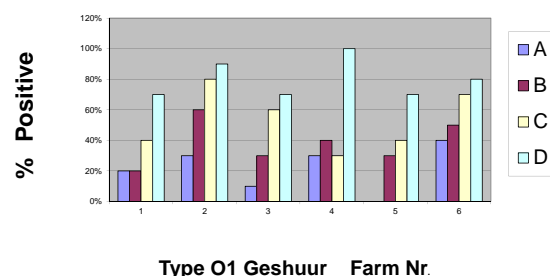
- Dairy cattle**
- June / November
- 6 Dairy farms
- 10 animals of 4 age groups
- Beef cattle**
- 1Xyear, 4 herds
- Sheep 1Xyear**
- 6 herds
- 10 sheep
- 15 lambs



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Results of vaccinations survey

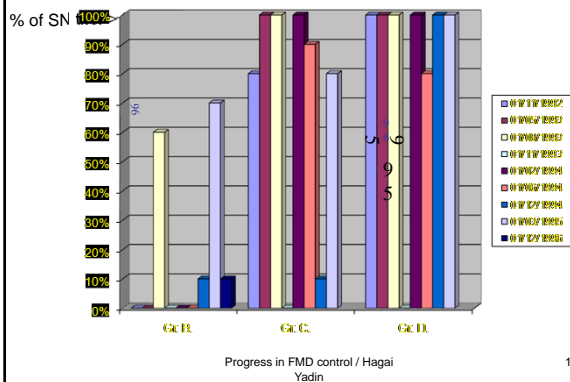


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Sero survey of annual FMD vaccinations

92 – 96



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What has been essential to measure to obtain (or manage) progress? What can we further improve?

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- Progress in FMD control = Progressive cooperation of FMD control between neighboring countries
- Adaptation the same control policy.
- Adaptation the same vaccine composition – tailored to the isolates in the region

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in Endemic Areas Veterinary Services 8 Regional offices

- Akko
- Kiryat Shmona
- Tiberyas
- Afula
- Nazareth
- Hadera
- Rechovoth
- Beer-Sheba
- Head Quarter & KVI



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FMD
Free 2010

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