Korean Experience on ASF

17 Jan. 2020

Ministry of Agriculture, Food and Rural Affairs
1. Pork Production

- **Pigs / farms in KOREA**
  - √ 11.7M heads (1.1M sows) / 6,137 farms

- **Pork : 2nd share in agricultural production value**
  - √ 6 billion dollar per year

- **Pork : most consumed meat in KOREA**
  - √ 27kg : annual per capita
2. ASF Outbreaks

- **Initial Outbreak** in domestic pigs
  - 14 cases / 23 days

- **Last Outbreak** in domestic pigs
  - No cases / 100 days

- Concentrated in the area bordering North Korea
  - √ 4 cities·counties

- Wild boar: occurs sporadically

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3. Prevention Measures

- Reinforced **border quarantine**
  - Detection dogs + X-ray inspection
  - **Fines** on illegally carried-on meat products

- **Crack down** on establishments selling illegal livestock products
  - **43** Cases caught since Aug. 2018

- Enhanced **farm biosecurity**
  - Ban on self-swill-feeding (257 farms)
  - Establish **farm fence, wild boar traps**
4. Disease Control System

- **Situation management meeting** : real time
  - Led by the Prime Minister (6 times)
  - Everyday after occurrence
  - All relevant authorities
  - Decision making & Sharing info.

- More than **400,000** men : put into controlling ASF
5. Measures beyond SOP

- **“Vacuum” Strategy: Empty** pigs in 4 affected cities
  - √ Slaughter: 14 infected farms
  - √ Preventive culling: ~3km radius of the infected farms
  - √ Govt purchase or slaughter: 3km~, rest of farms in 4 cities

  **Remove the virus hosts** (446,000 heads / 261 farms)

- **Intensive disinfection: everyday**
  - √ Farms, roads and riversides near border
  - √ By military vehicles, helicopters, etc
6. Zoning and Movement Restriction

- **4 “Critical Control Zones (CCZ)”**
  - Ban on entry/exit: pig, manure, vehicle
  - Vehicle designation: moving inside CCZ

- **Real time Monitoring**
  - Using livestock vehicle GPS (60,000 cars)
  - Sending SMS to drivers

“Your car is designated to move inside CCZ①, not allowed to get out of the zone. Please return ASAP”
7. Wild Boar (WB) Control

- **Wide area fence (WF), along North Korean border**
  - 352km long across the country
  - Stopping WB from moving southwards
  - To “Empty” wild boars within WF : until Feb. 2020

- **Search and destruction** of dead WB

- **Hunting Wild boar**
  - More than 50,000 WB hunted down (since Oct. 2019)
8. Implications & Challenges

• “Intensive” and “Strategic” measures worked
  √ Outbreaks confined around the area bordering DPRK
  √ No additional outbreaks in domestic pigs for 100 days

• “Biosecurity-friendly” pig farming

• Strong International Cooperation on ASF
  √ Vaccine Development
  √ Information Sharing
Thank you