THE ROLE OF INDUSTRY IN PRIMARY ANIMAL HEALTH CARE

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Afrivet sets new standards for the animal health industry by helping pet owners, farmers, veterinarians and other professionals in the field of agriculture to contribute to a successful and professional livestock farming industry in Africa.

This we do through our innovative products, professional knowledge solutions, support services via passionate and purposeful local and global collaboration.
Why PAHC? FOOD SECURITY in the world

- **2013**: world population passed the 7 billion mark
- **2050**: world population is estimated to exceed 9 billion
- Currently, **821m people (1 in 9) battle with hunger every day** (State of food security in the world 2018)
- **113 m people in 53 countries experience acute food insecurity** (EU; FAO & UN World Food programme 2018)
- **Food production, in particular, protein production must double by 2050**
Where is doubling of food production going to happen?

• **Not in Europe and North America** - no more available space & already using modern technologies.

• **Not in China and India** - population pressure on space & climatic conditions.

• **Partly in Latin America** - some space available and can improve technologies used.

• **Most in Africa** - un/under-utilized agricultural land and massive potential for modern technologies.

• **And we, South Africa, are best positioned to make an impact.**
Food security in South Africa

- Almost **30 million** (53%) South Africans can be considered food insecure.
- 32% children **go to school without having eaten**.
- 4.8% of children show signs of **wasting** (significantly underweight).
- 24.6% are **stunted** (short for their age due to chronic under nutrition).
- 8.8% are **underweight**.
- Almost 40% of SA Children **suffer measurable side effects** as a result of poor nutrition.
14m cattle & 30m sheep and goats

Commercial farmers
- 7m cattle & 15m shoats
- Produce 90% of meat that reaches the formal market

Communal (SSSO)
- 7m cattle & 15m shoats
- Produce 10% of meat

South Africa imports R6 billion worth of meat annually.
Is the problem genetics?

- Research at the Dohne Research Institute showed that it was possible to effect a 40% improvement in all production parameters through good management alone.

The problem is **skills**, AND access to the necessary inputs including stock remedies:

**SKILLS, WITHOUT ACCESS TO REMEDIES, ARE USELESS, WHILE STOCK REMEDIES, WITHOUT THE NECESSARY SKILLS, ARE DANGEROUS.**
Industry clearly has control over the availability of stock remedies.

Industry needs to ensure that the stock owners in deep rural areas have access – **NOTE:** I, personally, believe that the proposed amendments to Act 36 are criminal!

Industry has the ability to develop and provide the necessary technical skills.

What is needed is the WILL to make a difference.
SOME EXAMPLES OF WHAT CAN BE DONE

• Books/manuals for researchers, vets, vet students, AHTs, farmers & farm workers. These are the frontline PAHC people.
Books/manuals for SSSO – different approach due to:

- Differing educational levels
- Differing circumstances – language & literacy
- Afrivet Chair of PAHC at UP Faculty of Veterinary Science, Onderstepoort exists to develop appropriate methodologies and materials.
SOME EXAMPLES OF WHAT CAN BE DONE

On-line educational materials, e.g.
- Apps and
- Anipedia
• Face-to-face training including farmers’ days. Do not forget the stockmen who are the frontline people with daily contact with their herds or flocks.
IDEAS IN ACTION

Engcobo Diptank Project

IMPLEMENTATION

• Appoint Project Management Team - done
• Identify suitable CAHWs – done
• Complete baseline Poverty Stoplight assessment (50 socio-economic parameters) – in progress
• Train 1 CAHW per 4 dip tanks in diptank management and in PAHC – in progress
• Provide each CAHW with an Afrivet Animal Health First Aid Kit
• Provide technical and commercial support via Afrivet’s call center, online resources and full time field advisors
• Implement One Health intervention focusing on: BTB; Brucellosis; rabies; Cerebral Neurocysticercosis (responsible for 62% of epilepsy cases in the Eastern Cape)
• Do follow up Poverty Stoplight study to evaluate impact of intervention.
EXPECTED RESULTS

- Improvement in general health of national herd
- Better meat production – 40% improvement
- Auctioning of “health certified” animals
- Reduction of R6 billion in net imports by South Africa
- Improved food (protein) security of area and nation.
- Creation of decent, sustainable CAHW jobs: eventually 1 at each of the 5000 communal dip tanks in SA

WEALTH CREATION WITH THE DIP TANK AS GENERATING CENTRE.
With the One Health interventions

- Better diets
- Reduced Rabies cases (18 deaths during 2018/19 financial year in SA. 50% in E. Cape alone)
- Reduction in/elimination of epilepsy in young people (not Engcobo area).
- Reduction of BTB and brucellosis amongst national herd and citizens
- Establishment of wealth creation and service hubs at the dip tanks.
THANK YOU

Any Questions?

Ma’zenethole
Animal health is in our DNA