

Support for rural farmers

By Rebone Mberane & Alfred Kgasi, issued by University of Pretoria

30 Aug 2022

South Africa has a dual agricultural economy, with an established commercial farming industry and an emerging small-scale farming sector. Most small-scale farmers are based on communal lands under tribal authority, or the former homeland areas. As owners of a significant number of livestock including cattle, sheep and goats, they play an important role in contributing to food security, employment, and poverty alleviation.



However, lack of knowledge on best farming practices is often a hindrance to successful and profitable livestock production in the small-scale farming community, with herd diseases and animal mortalities often leading to losses and posing a serious risk to rural livelihoods. Besides limited access to veterinary services, small-scale farmers are faced with challenges related to poor education, poverty, and unemployment.

The Faculty of Veterinary Science at the University of Pretoria (UP) has a long history of supporting farmers close to its Onderstepoort campus. About 30 years ago, a mobile outreach clinic was set up as an extension of the Onderstepoort Veterinary Academic Hospital to offer basic clinical services to resource-poor individuals in the Hammanskraal and Ratjefane areas. In 2011 the Afrivet Chair in Primary Animal Health Care (PAHC) was established, which provides support and training to livestock farmers within an 80km radius of Onderstepoort. Students in their clinical years of study are taught the methodology of PAHC and how to formulate and apply an extension strategy for a community. They engage in knowledge transfer to farmers during supervised training visits on aspects such as optimisation of communal production systems and prevention of diseases.

The skills imparted through PAHC training are practical interventions that can be undertaken by a farmer on an ongoing basis. Positive feedback has been received from both the communities and the veterinary students – while the community gains knowledge on how to look after their livestock and improve productivity, students are exposed to the unique socio-cultural dynamics, challenges, and opportunities of rural production systems, which serves as preparation for their post-graduation community service year in rural state veterinary areas.



There is also the annual Feedlot Challenge, which sees fifth-year veterinary students engage with the community about the operations of modern feedlot systems. Farmers participate in various stages and learn about proper selection of good animals for feedlots. Students later visit individual farmers to assess their feedlot operations and provide recommendations on areas for improvement.

Through the PAHC training process, we have learned that there are several necessary factors for positive interaction between students and community members: there needs to be a willingness among farmers to participate in sessions. Continuous communication is important, allowing for enough assessments and follow-up sessions. Farmers need to have material translated into their language, and need to be exposed to appropriate tools.

The programme is not without its challenges, including time constraints for revisiting individual farmers, along with securing funds to print relevant training material and purchase medication and basic tools.

It is, however, a great privilege to be able to assist in nurturing healthy, productive animals, and to contribute to improving the livelihoods of rural communities. We have already extended our training to other provinces such as Mpumalanga, KwaZulu-Natal and the Eastern Cape and, depending on available funding, intend on spreading it throughout the country.

ABOUT THE AUTHOR

Dr Rebone Mberane is HOD: Production Animal Studies, Faculty of Veterinary Science, University of Pretoria, and Dr Alfred Kgasi is senior lecturer in the Department of Production Animal Studies and head of the Afrivet Chair in Primary Animal Health Care (PAHC) at the Faculty of Veterinary Science.

▫ **Africa's understudied human gut microbiomes could be a rich source of therapeutics** 28 Jun 2023

▫ **'The best is yet to come for Africa' - UP Africa Week 2023 concludes** 8 Jun 2023

▫ **Just how supportive is your manager towards your family needs?** 2 Jun 2023

▫ **UP celebrates the 2023 SAICA ITC results** 18 Apr 2023

▫ **Customised cochlear model pursues hi-fi hearing** 2 Mar 2023



University of Pretoria

The University of Pretoria (UP) is a seven-campus public university with its largest campus in the heart of Hatfield, the picturesque diplomatic hub of South Africa's capital city. We're proud to stand among the world's leading research universities.

[Profile](#) | [News](#) | [Contact](#) | [Twitter](#) | [Facebook](#) | [RSS Feed](#)

For more, visit: <https://www.bizcommunity.com>