

Clinical sciences including veterinary medicinal products

A. Kelly & R.R. Marshak
University of Pennsylvania,
United States of America

In the next 40 years, society must learn to feed nine billion people without wrecking the environment. World hunger is growing and now exceeds one billion. Consumers will be increasingly urban and demand more dietary animal protein. In China and Pacific rim countries, urban populations will be provisioned from concentrated animal feeding operations (CAFOs), supplied by imported grains, and with problems in waste disposal. CAFOs are widely used in the United States of America (U.S.). They require food animal veterinary curricula to adapt and teach 'production medicine.' Similar programmes are rarely available outside the U.S. PennVet plans to make them globally available, mainly as on-line courses.

These programmes are unsuitable for small farmers and pastoralists in Sub-Saharan Africa. They must learn to use local resources more efficiently. Delivery of veterinary care in these areas is complex and should involve teams including licensed veterinarians, soil scientists, crop geneticists, and credentialed veterinary para-professionals. Approaches to the problem will be discussed.

