

A predation management "**toolbox**" is available for livestock farmers, wildlife ranchers, and professional predator specialists; it contains both non-lethal and lethal methods.

Predation managers must apply knowledge and skills to select an <u>appropriate</u> method (non-lethal or lethal) for each scenario to reduce the impact of predation losses.

The obvious choice is to use non-lethal methods.

Any method and the equipment must be used in the correct way.

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2. <u>Direct cost</u> - baseline information for three defined groups of wildlife species (antelope) [Schepers, 2016]

Calculate the <u>losses</u> for <u>specific wildlife species (antelope) on wildlife ranches</u>; examples for <u>three permutations</u> (<u>direct cost</u> in addition to the indirect cost of **ZAR 26.15/ha**):

Large species

- · only nyalas Tragelaphus angasii on 5 000 ha
- total cost of predation losses = ZAR 593 765/year

Small species

- only blesbok Damaliscus pygargus phillipsi on 12 000 ha
- total cost of predation losses = ZAR 668 103/year

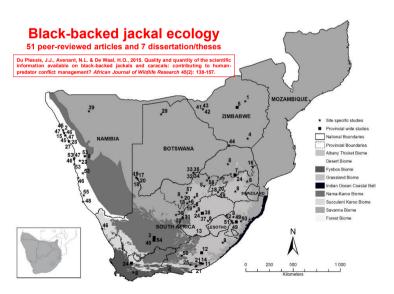
Scarce species/colour variants

- only black impala Aepyceros melampus and Livingston eland Tragelaphus oryx on 6 000 ha
- total cost of predation losses = ZAR 11 957 637/yea

NOTE: Financial losses can be calculated for different permutations/species mixes



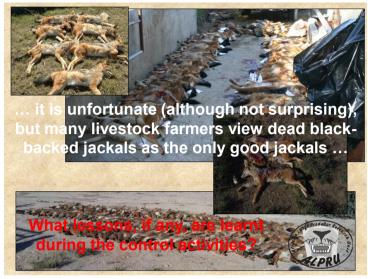




To what extent are lethal to manage/com/or the impact of manage/com/or the impact of animal identified and eliminateds.

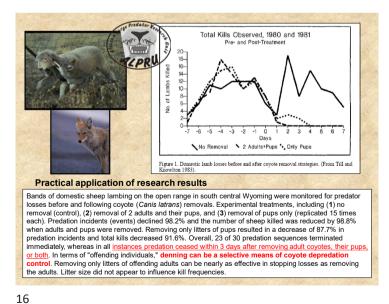
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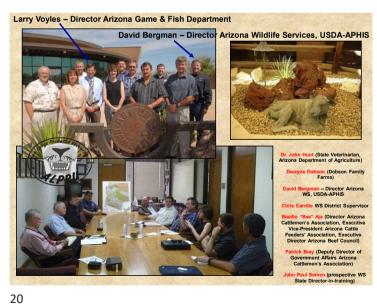








At least 66 species (mammals, avians, and reptiles) are listed in historical records relating to predation management in South Africa, either as prey, target predator, or collateral damage Predation management in South Africa - historical milestones ALPRU - Occasional Paper, July 2025, Version 9.1 Is it only South Africans that have to manage the impact of predation? No











Solutions to mitigate human-wildlife conflict should be informed by institutional memory and an operational management information system (MIS)

Coordinated predation management needs a central, common unit to continuously collect, analyse, interpret, and disseminate relevant information.

In a coordinated system of predation management, an operational MIS must rapidly provide appropriate answers to the following:

- Where are predation losses occurring?
- Identify the current hotspots to redirect and focus limited resources.
- Identify which predator species are involved?
- List recognised and proven role players (e.g. specialist predator hunters).
- Did predation **decline** in an area following predation management?
- Are there **links** between reported cases of predation and predation management?
- Assess the results achieved with different predation management methods (toolbox) and package the information as best practices for wider application.

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Proposed main activities of a predation management unit (2 of 2):

Research & Development (R&D) – identify and prioritise relevant research topics, informed by institutional memory and a management information system (MIS) - results are packaged and implemented as best practices.

Liaison – continuously **inform** all role players & stakeholders (specialist predator hunters, livestock farmers, wildlife ranchers & the broader public) and provide them with **reasonable opportunities to interact and make input** in a meaningful way.

Public relations – ensure a well-informed public will be able to assist in developing a meaningful and effective predation management system in South Africa.

Funding – because an official system of coordinated predation management is still lacking, the necessary funds must be sourced/generated to implement strategies.



Proposed main activities of a predation management unit (1 of 2):

Coordination – initiatives/activities of role players & stakeholders (specialist predator hunters, livestock farmers & wildlife ranchers) to improve cooperation and for more effective predation management – **undo persisting fragmented approaches**.

Monitoring – activities of role players & stakeholders (specialist predator hunters, livestock farmers & wildlife ranchers) regarding predation management and establish best practices from lessons learnt for wider application.

Training – ensure that individuals engaged in predation management (specialist predator hunters, livestock farmers, wildlife ranchers, and the employees) are well-trained in the detail of best practices and the appropriate use of methods and equipment available in management toolbox.

Extension – ensure the relevant information on predation management is packaged and made available to role players & stakeholders, namely farmers, farm workers, specialist predator hunters, the general public and government officials.







Quo Vadis?

Liaise actively to undo the fragmented approaches of predation management activities.

Promote and foster a coordinated system of predation management activities over larger geographical areas.

Preserve institutional memory and develop an operational MIS to inform predation management and establish best practices for wider implementation.

Identify gaps in information (institutional memory and an MIS) and prioritise it as focused research & development topics.

