

2024

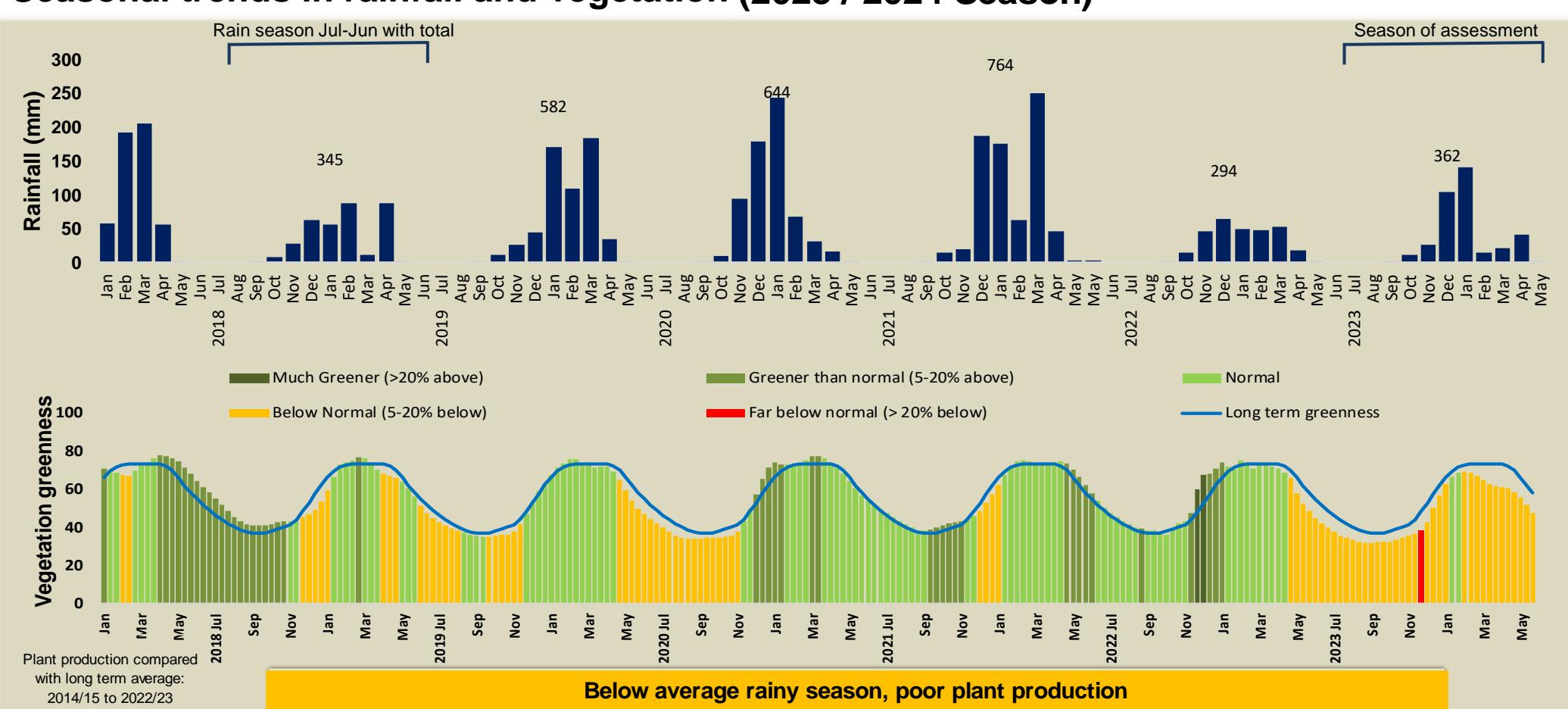
Mayuni

Climate and Vegetation Report

D1

Adapting in response to the current environmental conditions ...

Seasonal trends in rainfall and vegetation (2023 / 2024 Season)



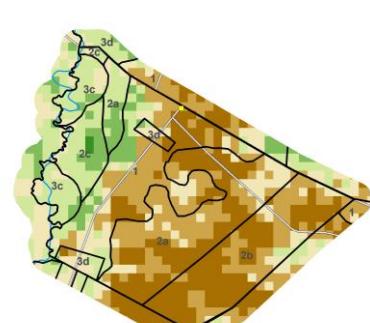
Vegetation cover trend (2000 - 2023)

High vegetation cover is good because more rainwater is prevented from running off, causing less erosion. Also, the soil is shaded leading to a decrease in soil temperature and evaporation.



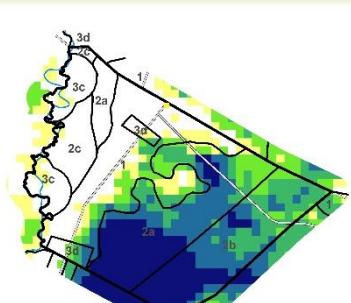
Plant cover has remained the same over time

Vegetation cover : 2023



Fire management

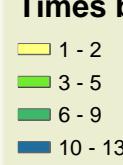
Burns between 2000 and 2023



When and where it burnt in 2023



Times burned

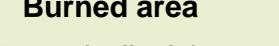


Apr-Jul: 44.3 sq.km, 29.4 %

Aug-Dec: 8.9 sq.km, 5.9 %

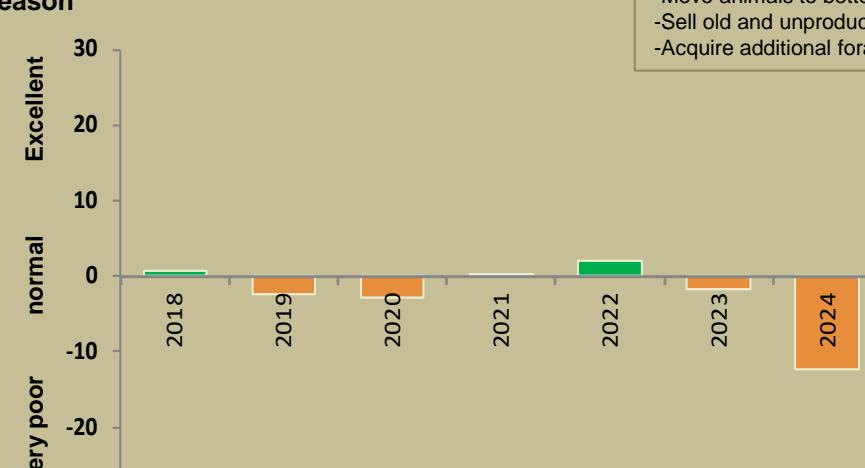
Prevent late burns next season

Burned area



Forage availability

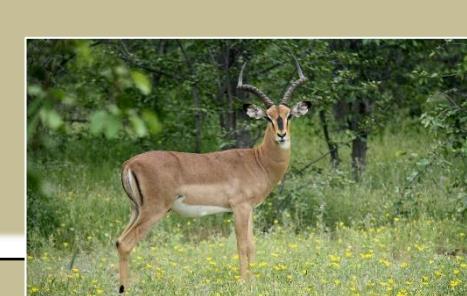
During the growing season enough forage must be produced to sustain livestock and game until the next rainy season



Below normal forage availability
- Enough for livestock and game?

Management Options

- Do nothing
- Buy more animals
- Move animals to better grazing
- Sell old and unproductive animals
- Acquire additional forage



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