

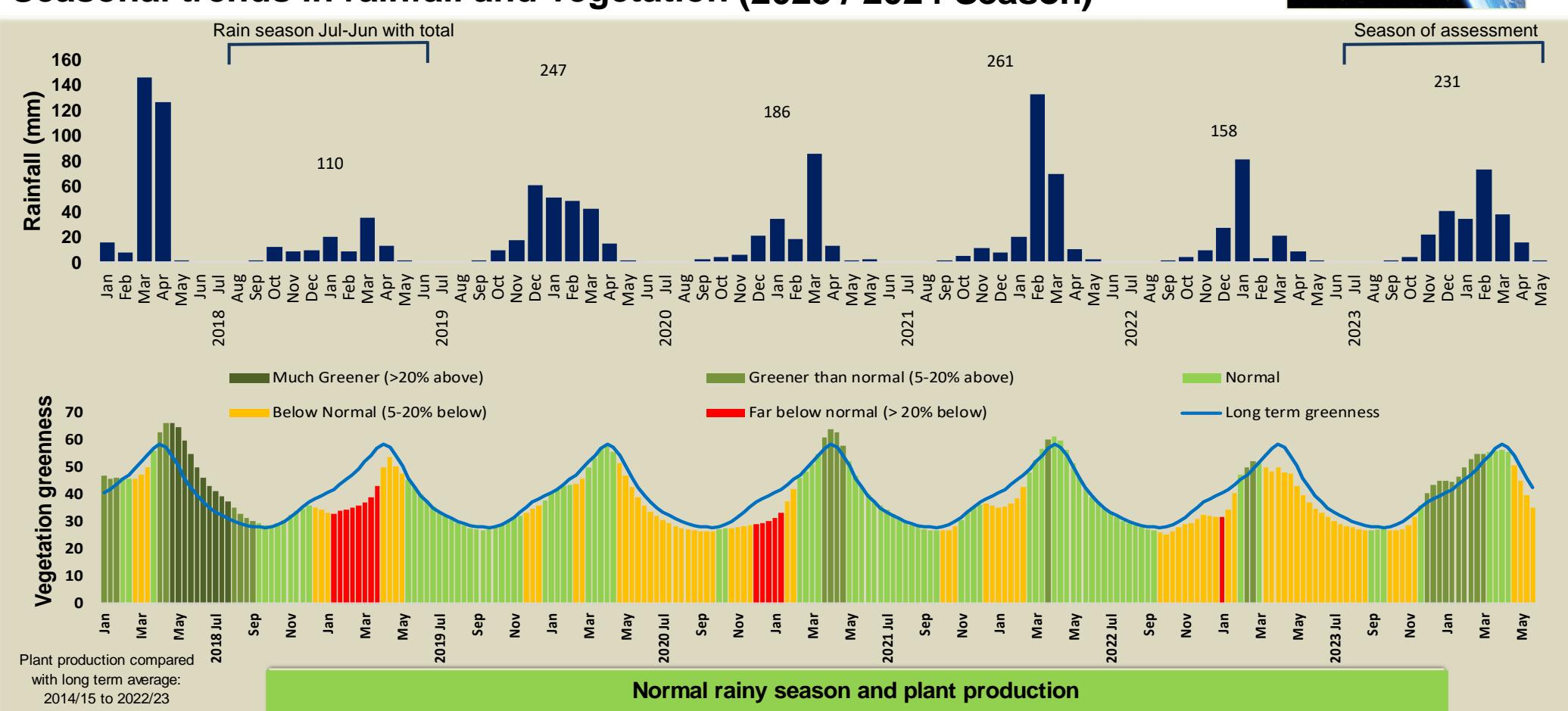
2024

# Otjombande Climate and Vegetation Report

D1

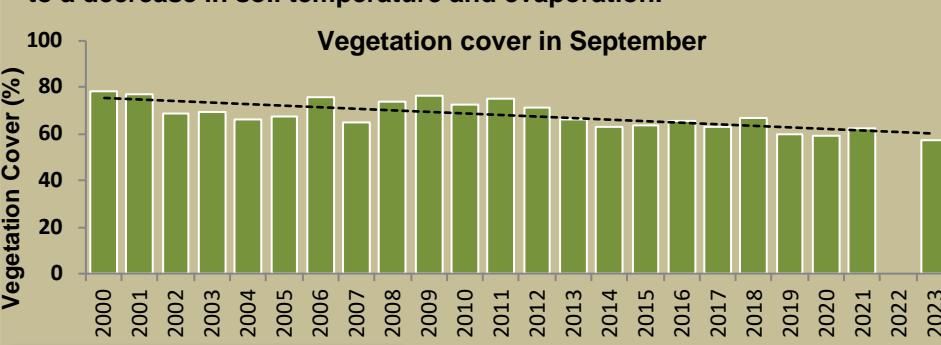
Adapting in response to the current environmental conditions ...

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



## Vegetation cover trend (2000 - 2023)

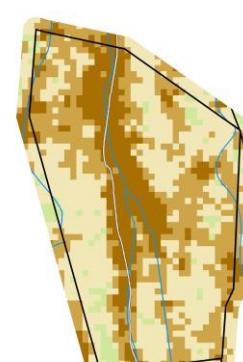
High vegetation cover is good because more rainwater is prevented from running off, causing less erosion. Also, the soil is shaded leading to a decrease in soil temperature and evaporation.



Plant cover is decreasing - Why?

### Vegetation cover : 2023

Good vegetation cover  
Same as average  
Much better  
Much bare ground



## Vegetation productivity (February to April) 2024

### Growing season

#### Zones

- 1) Settlement & Cropping Area
- 2a) Multiple Use: Livestock Priority
- 2b) Multiple Use: Hunting Priority
- 2c) Multiple Use: Tourism Priority
- 2d) Multiple Use: Mining Priority
- 3a) Exclusive Wildlife: All Utilisation
- 3b) Exclusive Wildlife: Trophy Hunting
- 3c) Exclusive Wildlife: Tourism
- 3d) Exclusive Wildlife: No Disturbance
- 4) Forest

#### Difference from average

Much poorer
Same as average
Much better
Roads
Rivers
Management zones

## Fire management

Burns between 2000 and 2023

When and where it burnt in 2023

No fire monitoring



### Times burned

1 - 2  
3 - 5  
6 - 9  
10 - 13  
>13

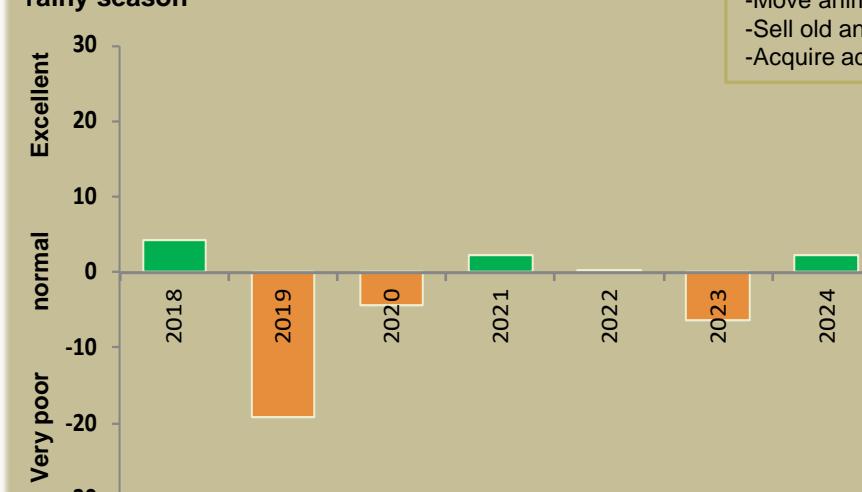
Prevent late burns

### Burned area

April - July  
Aug - December

## Forage availability

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



Normal forage availability

### Management Options

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



Climate and vegetation patterns assist in our understanding of the status of wildlife and livestock in the conservancy for the effective management of these resources.