Monitoring agricultural vegetation in Somalia using SPOT VGT Vegetation Index, AFRICOVER and ECMWF Global Meteorological Modelling

10-day product: 01 – 10 September 2004

Year **2004**
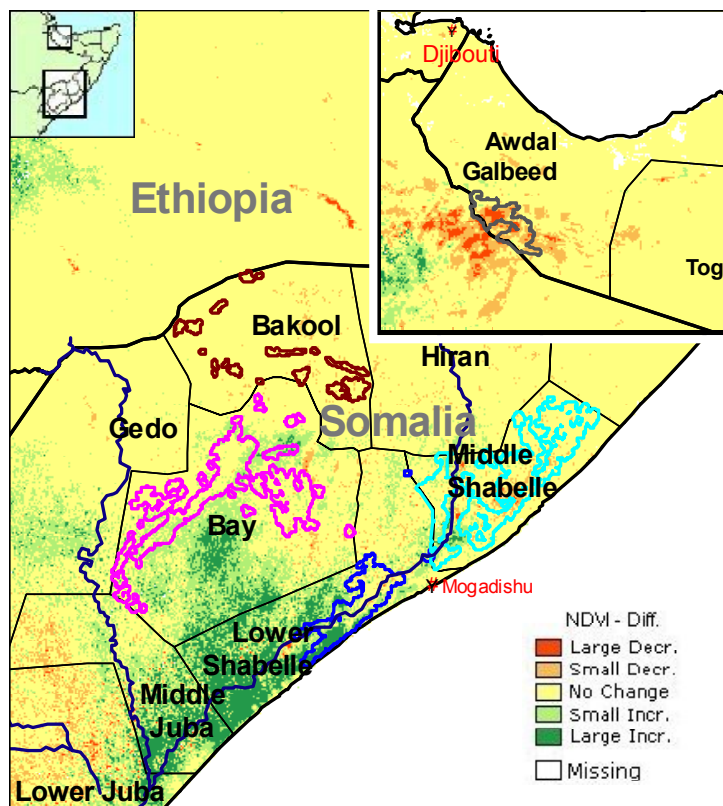No. **25**

Date
16.09.2004

Agricultural areas

Normalized Difference Vegetation Index (NDVI)
Absolute difference w.r.t. previous year (Act. – Prev.)
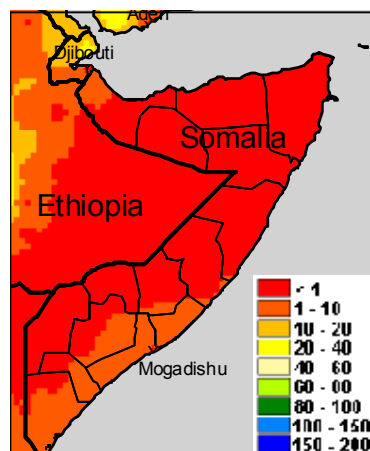Period: September 2004   Dekad: I

Highlights

Rainfall
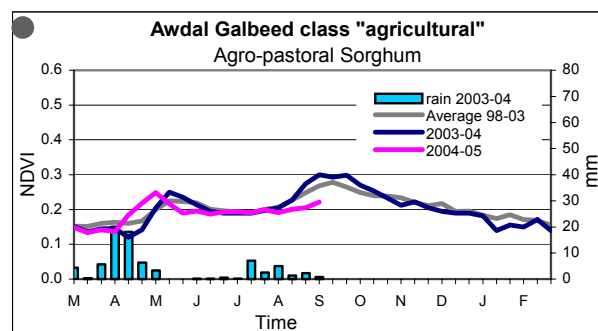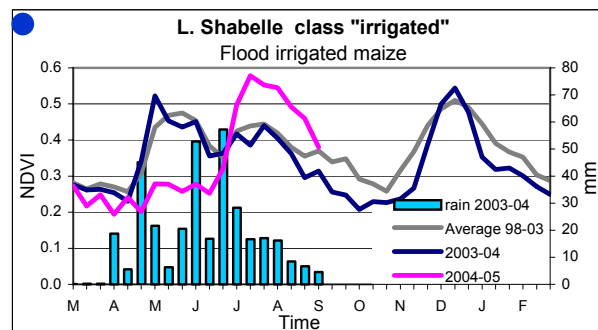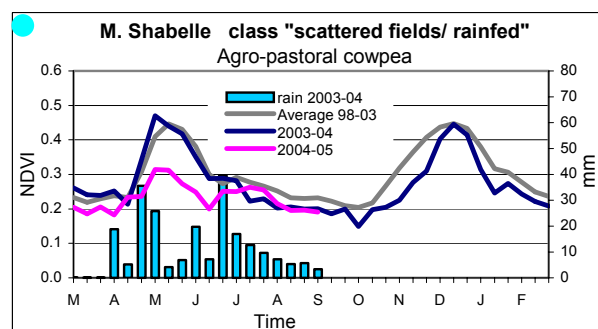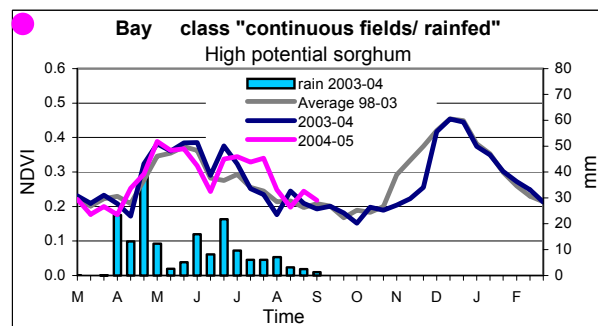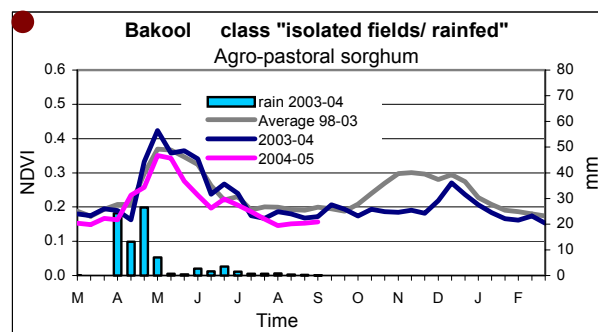No significant rainfall is visible over Somalia.

Crops
The greenness of agricultural vegetation is low after the end of the *Gu* season, with the exception of *Lower Shabelle* where the late rain led to a delayed crop cycle. The overall cereals production in Southern Somalia is significantly worse than in 2003.
In *Awdal Galbeed* the second crop season is delayed by the scarce rainfall received so far by this region.
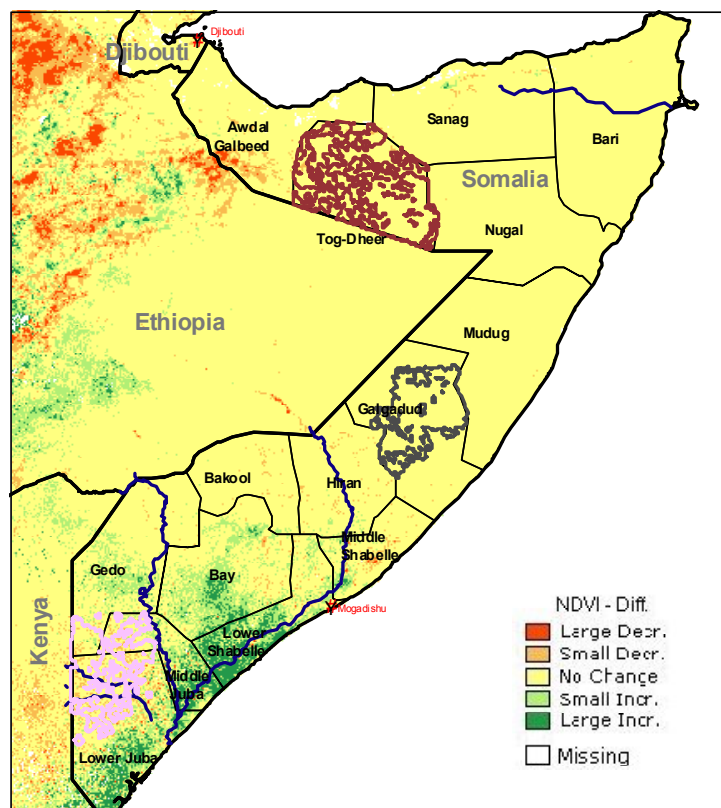

10-day cumulated rainfall
Period: September 2004   Dekad: I
Data derived from ECMWF model
Produced by METEOCONSULT

A technical description of the *Gu* production forecast can be found here:
ftp://mars.jrc.it/bulletin/Somalia/2004/

Bakool   class "isolated fields/ rainfed"
Agro-pastoral sorghum

Bay   class "continuous fields/ rainfed"
High potential sorghum

M. Shabelle   class "scattered fields/ rainfed"
Agro-pastoral cowpea

L. Shabelle class "irrigated"
Flood irrigated maize

Awdal Galbeed class "agricultural"
Agro-pastoral Sorghum

EUROPEAN COMMISSION
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MARS *Monitoring Agriculture with Remote-Sensing*

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Pastoral areas

Normalized Difference Vegetation Index (NDVI)
Absolute difference w.r.t. previous year (Act. – Prev.)
Period: September 2004   Dekad: I

NDVI - Diff.
- Large Decr.
- Small Decr.
- No Change
- Small Incr.
- Large Incr.
- Missing

Togdheer "grass + shrubs" classes
Pastoral

- rain 2003-04
- Average 98-03
- 2003-04
- 2004-05

Galgaduud "grass + shrubs" classes
Pastoral

- rain 2003-04
- Average 98-03
- 2003-04
- 2004-05

Juba and Gedo "grass + shrubs" classes
Pastoral

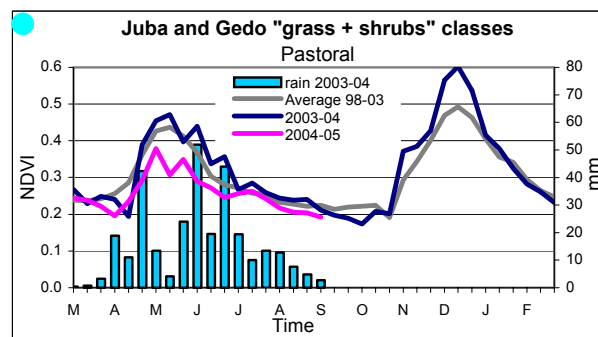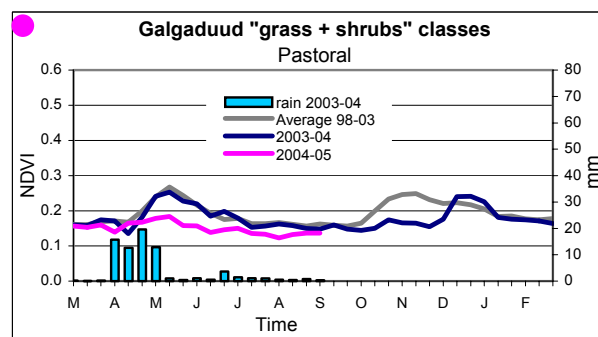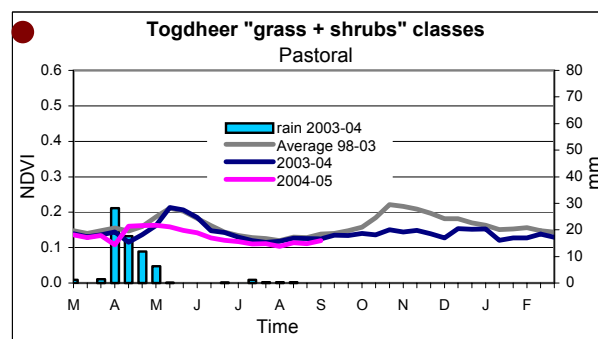- rain 2003-04
- Average 98-03
- 2003-04
- 2004-05

Highlights

Pastures

The dryness of the northern and central pastoral areas has not improved during the *Gu* season. Following at least two very dry years this situation has led to extremely hard conditions for livestock and pastoralists.

Legend: Food crop situation:
Very bad; Bad; Near Normal; Good; Very Good

MARS-Food provides regular 10-daily updates on the progress of the 2004 crop seasons. This bulletin is available also through the "Crop and Rangeland Monitoring Network for the Greater Horn of Africa": http://marsunit.jrc.it/Africa/

All MARS-Food crop monitoring products are also accessible through the "Risk & Vulnerability" section of the JRC Digital Map Archive: http://dma.jrc.it

Comments and remarks for improvement of this bulletin are welcome.