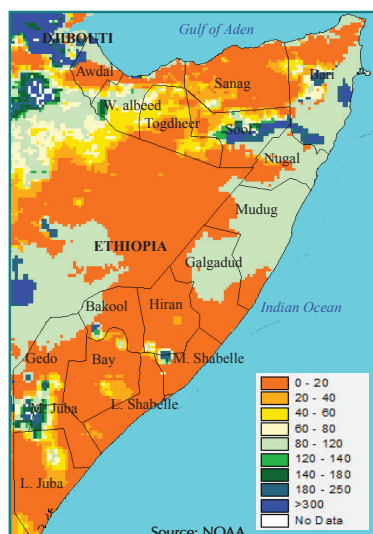


# Monthly rainfall and NDVI performance

Map 9: June 2012 Rainfall as % of long term mean



Map 10: June 2012 NDVI absolute difference from long term mean

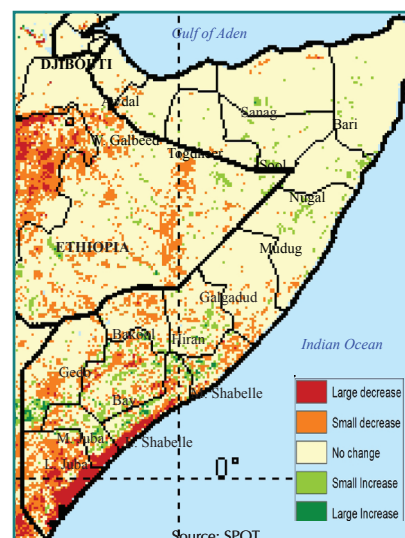


Table 1: June 2012: Observed rain gauge data compared to long term monthly averages

Northern Somalia stations

Region	Station_Name	Agency	dek 1	dek 2	dek 3	Jun-12	LTM
Awdal	Borama		0.0	0.0	10.0	10.0	27.0
Awdal	Qulenjeed	SWALIM	0.0	0.0	35.5	35.5	33.0
Bari	Bossasso	SWALIM	0.0	0.0	0.0	0.0	0.0
Bari	Qardo	SWALIM	32.0	0.0	0.0	32.0	4.0
Bari	Iskushuban	SWALIM	21.5	0.0	0.0	21.5	2.0
Bari	Dangoroyo	SWALIM	0.0	0.0	0.0	0.0	4.0
Bari	Ballidhin	SWALIM	0.0	0.0	0.0	0.0	4.0
Mudug	Jarriban	SWALIM	0.0	0.0	0.0	0.0	6.0
Mudug	Galdogob	SWALIM	0.0	0.0	0.0	0.0	7.0
Nugaal	Garowe	SWALIM	0.0	0.0	0.0	0.0	9.0
Nugaal	Eyl	SWALIM	0.0	0.0	0.0	0.0	0.0
Nugaal	Burtile	SWALIM	0.0	0.0	0.0	0.0	9.0
Sanaag	Eerigavo	SWALIM	0.0	11.0	0.0	11.0	38.0
Sanaag	Elafweyn	SWALIM	0.0	26.5	0.0	26.5	18.0
Sool	Caynabo	SWALIM	0.0	0.0	14.2	14.2	20.0
Sool	Las Aanod	SWALIM	0.0	0.0	0.0	0.0	1.0
Sool	xudun	SWALIM	0.0	0.0	0.0	0.0	2.0
Sool	Taleex	SWALIM	2.5	0.0	0.0	2.5	9.0
Togdheer	Burao	SWALIM	0.0	0.0	0.0	0.0	23.0
Togdheer	Odweyne	SWALIM	30.0	0.0	3.0	33.0	28.0
Togdheer	Wajaale	SWALIM	4.0	0.0	26.5	30.5	2.0
Togdheer	Buadodle	SWALIM	0.0	0.0	3.6	3.6	16.0
Wogooyi Galbeed	Hargeisa	SWALIM	6.0	3.0	45.5	54.5	33.0
Wogooyi Galbeed	Dilla		0.0	0.0	10.0	10.0	50.0
Wogooyi Galbeed	Gebilley	SWALIM	0.0	0.0	54.0	54.0	51.0
Wogooyi Galbeed	Berbera	SWALIM	0.0	0.0	0.0	0.0	0.0
Wogooyi Galbeed	Malawie	SWALIM	0.0	0.0	39.0	39.0	10.0
Wogooyi Galbeed	Darawayne	SWALIM	0.0	0.0	3.3	3.3	36.0
Wogooyi Galbeed	Cadaadley	SWALIM	0.0	3.5	9.0	12.5	6.0
Wogooyi Galbeed	Dhubato	SWALIM	0.0	0.0	12.0	12.0	31.0
Wogooyi Galbeed	Baligubable	SWALIM	1.5	0.0	11.0	12.5	38.0

Southern Somalia stations

Region	Station_Name	dek 1	dek 2	dek 3	Jun-12	LTM
Gedo	Bardheere	0.0	0.0	0.0	0.0	5.0
Gedo	Luuq	0.0	0.0	0.0	0.0	2.0
Hiraan	Belet weyne	0.0	0.0	0.0	0.0	15.0
Hiraan	Bulo burti	0.0	0.0	0.0	0.0	5.0
Lower Juba	Jamame	0.0	4.0	16.0	20.0	
Middle Shabelle	Jowhar	0.0	6.0	2.5	8.5	41.0
Mudug	Galkayo	0.0	0.0	0.0	0.0	6.0

## Monthly rainfall and NDVI performance maps

The Mapped NDVI and RFE above represent the differences from Long Term Mean. SPOT-NDVI is presented as absolute difference from Long Term Mean for the same period (current - long term mean), while NOAA-RFE is presented as the relative difference from Long Term Mean (Current\*100)/LTM.

## Seasonal trend graphs

The maps and graphs on the following pages (3 & 4) are produced in collaboration with the FOODSEC Action of the Joint Research Centre of the European Commission. The graphs present seasonal trends of crop specific NDVI (Normalised Difference Vegetation Index) as lines and rainfall values (RFE) as bars for each of the delineated land cover and administrative units (regions and districts).

For more information or request on available data, please send an email to [data@fsnau.org](mailto:data@fsnau.org).

Primary data sources are NOAA/USGS, European Centre for Medium-range Weather Forecast (ECMWF), MARS-JRC, FSNAU and SWALIM. Maps and graphs on this bulletin are produced from four sources.

- Current Rainfall Estimates and NDVI data are derived from NOAA/ CPC and DEVCOCAST ([www.devcoast.eu](http://www.devcoast.eu)) respectively, while the rain gauge data is collected by FAO-SWALIM and FEWSNET.
- The seasonal profiles on page 3 and 4 are produced in collaboration with JRC-MARS. For more information visit <http://mars.jrc.europa.eu/mars/About-us/FOODSEC>

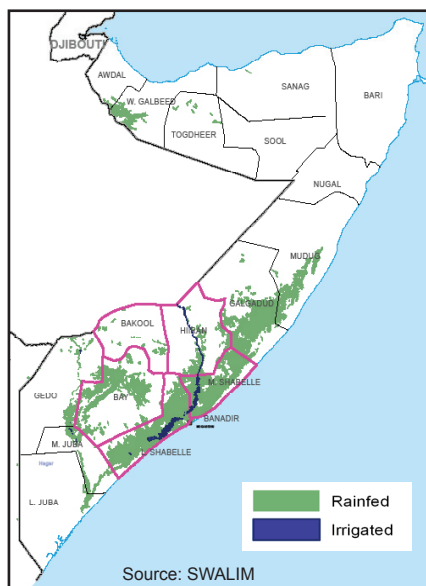
For more information on NDVI, visit <http://earlywarning.usgs.gov/adds> and <http://fsausomali.org/fileadmin/uploads/1308.pdf>

\*indicates missing data

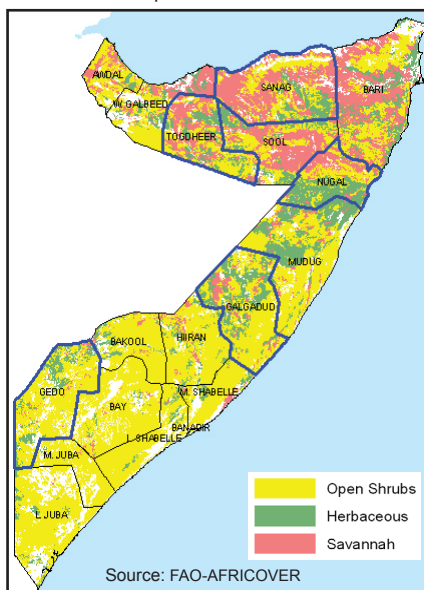
For information on FOODSEC Action of JRC, please refer to <http://mars.jrc.ec.europa.eu/mars/About-us/FOODSEC>

## Seasonal rainfall and NDVI trends by region

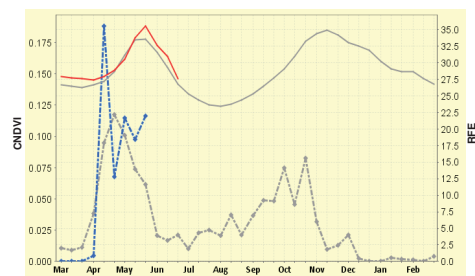
Map 11: Agricultural Areas



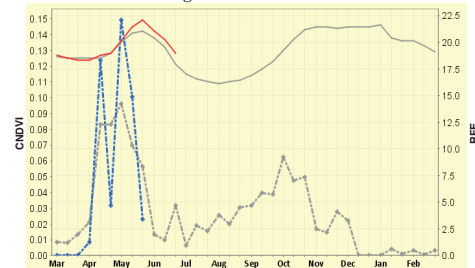
Map 12: Pastoral Areas



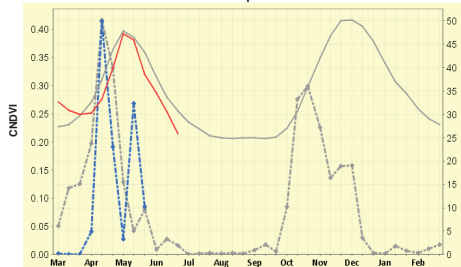
Togdheer Pastoral (Savannah)



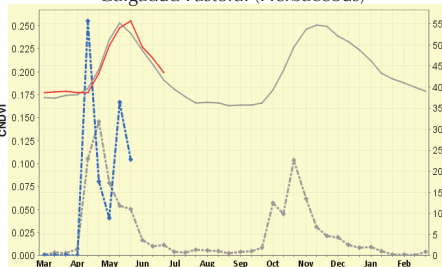
Saanag Pastoral (Savannah)



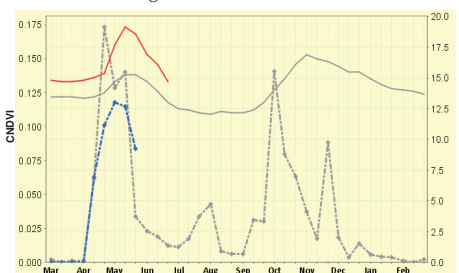
Gedo Pastoral (Open Shrubs)



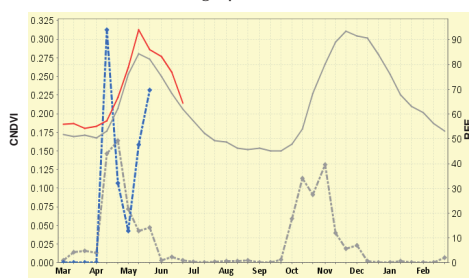
Galgadud Pastoral (Herbaceous)



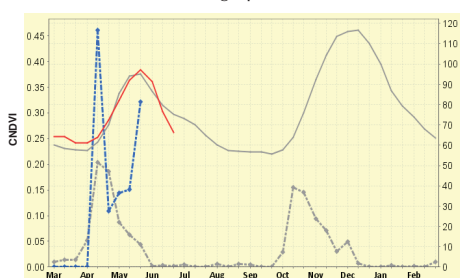
Nugal Pastoral (Savannah)



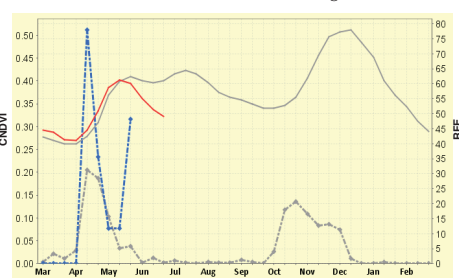
Hiran Agropastoral (Rainfed)



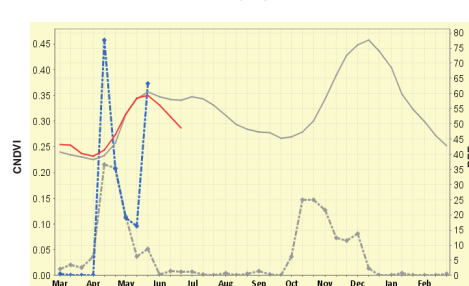
Middle Shabelle Agropastoral (Rainfed)



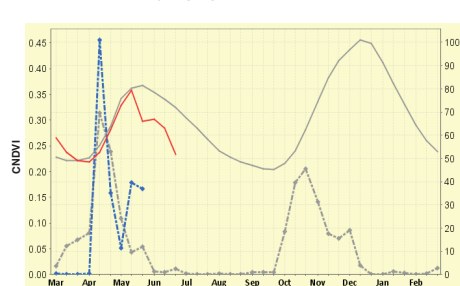
Lower Shabelle Riverine (Irrigated)



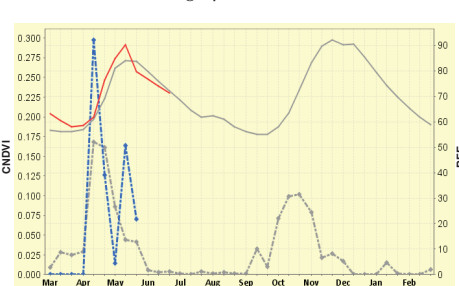
Lower Shabelle Agropastoral (Rainfed)



Bay Agropastoral (Rainfed)



Bakool Agropastoral (Rainfed)

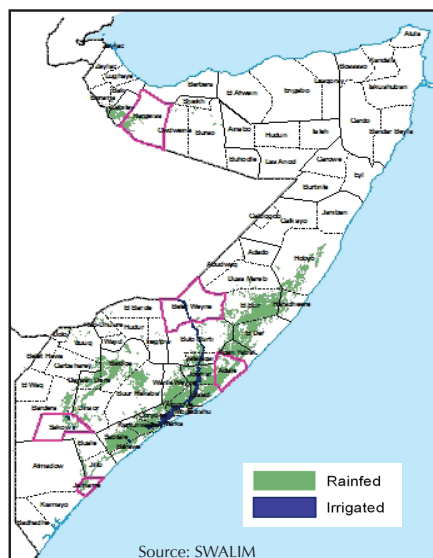


— RFE 2012 — RFE Avg: 1999 2012 — NDVIC 2012 — NDVIC LTA-MEAN

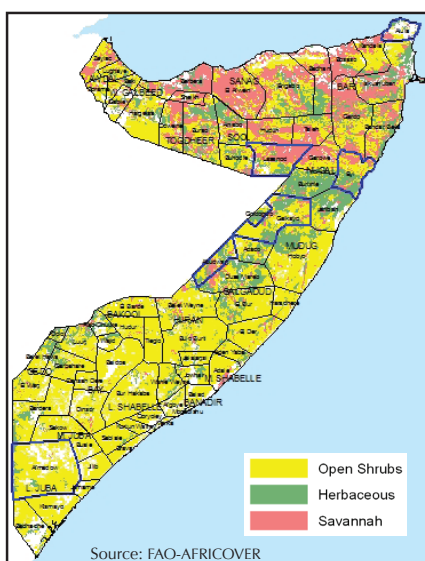


## Seasonal rainfall and NDVI trends for selected districts

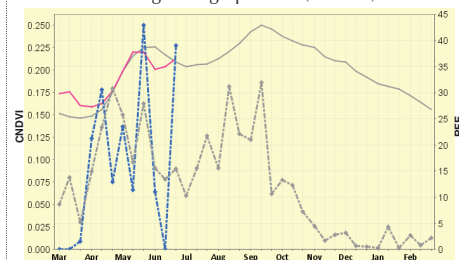
Map 13: Agricultural Areas



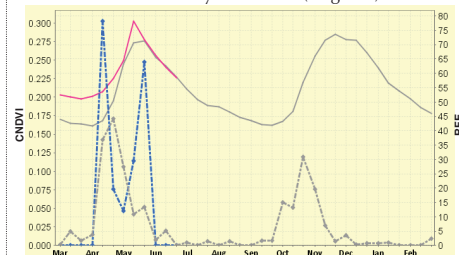
Map 14: Pastoral Areas



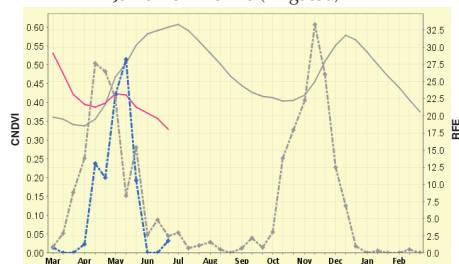
Hargeisa Agropastoral (Rainfed)



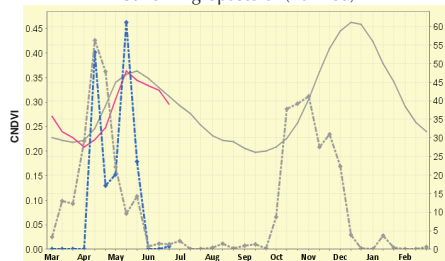
Beletweyn Riverine (Irrigated)



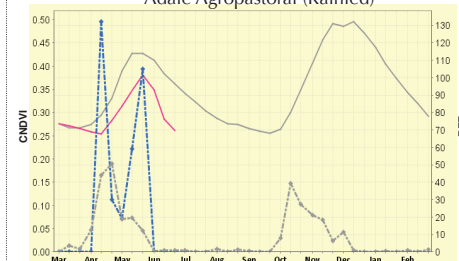
Jamame Riverine (Irrigated)



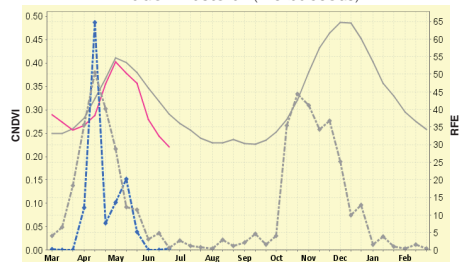
Sakow Agropastoral (Rainfed)



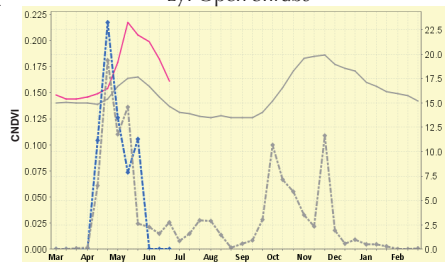
Adale Agropastoral (Rainfed)



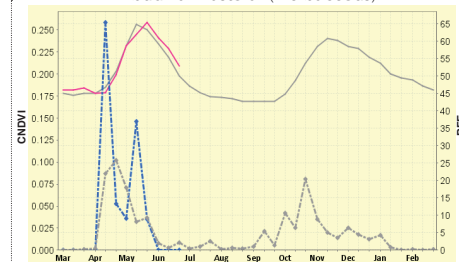
Afmadow Pastoral (Herbaceous)



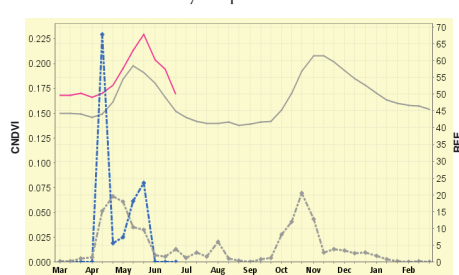
Eyl Open Shrubs



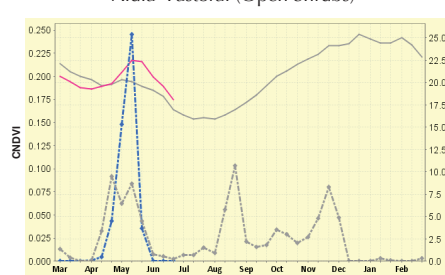
Abudwak Pastoral (Herbaceous)



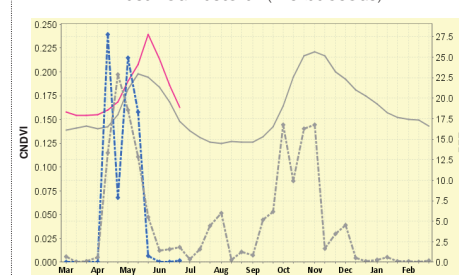
Galkayo Open Shrubs



Alula Pastoral (Open Shrubs)



Lasanod Pastoral (Herbaceous)



— RFE 2012 — RFE Avg: 1999 2012 — NDVIC 2012 — NDVIC LTA-MEAN

Technical and Managerial Support



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