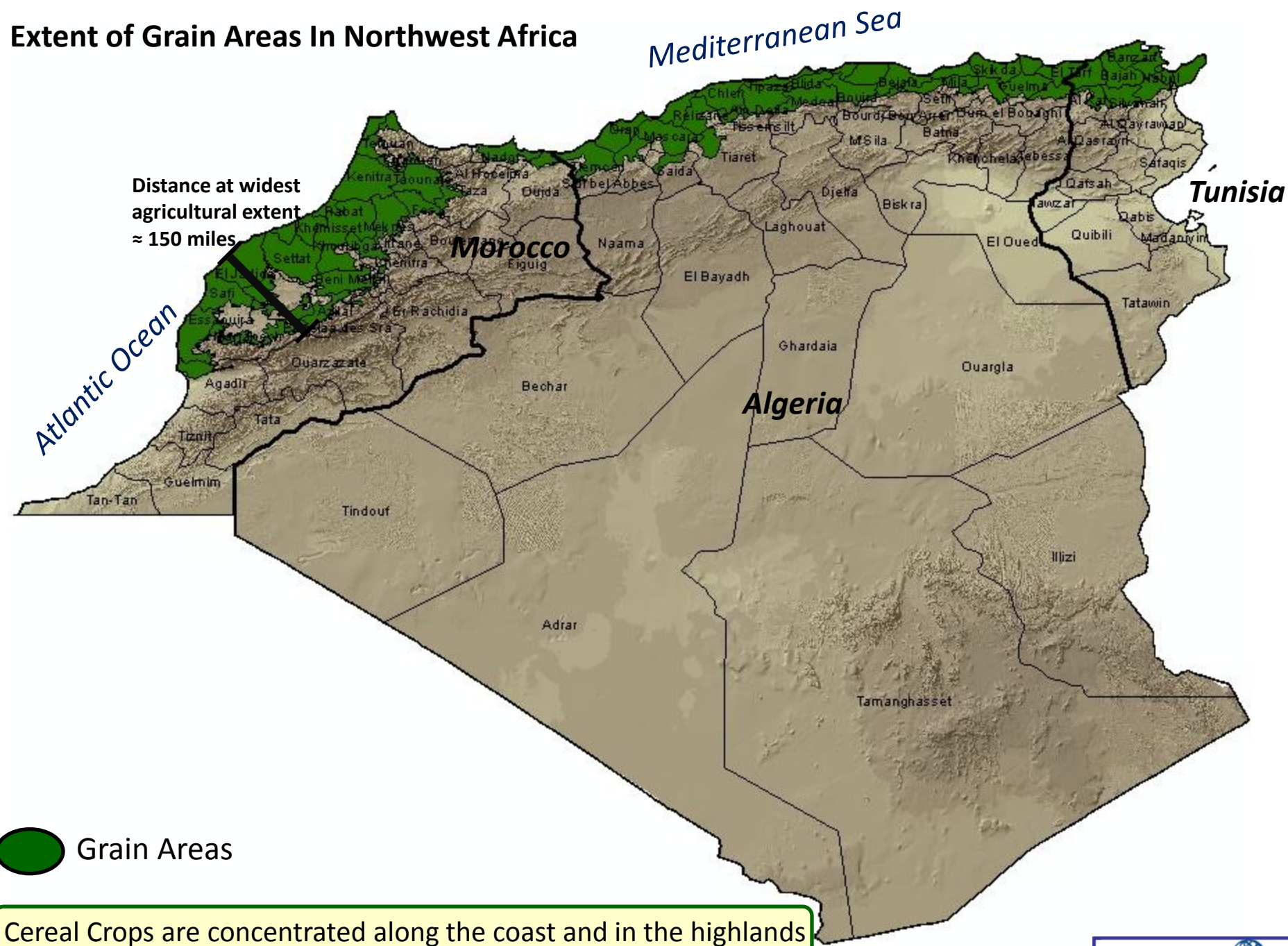
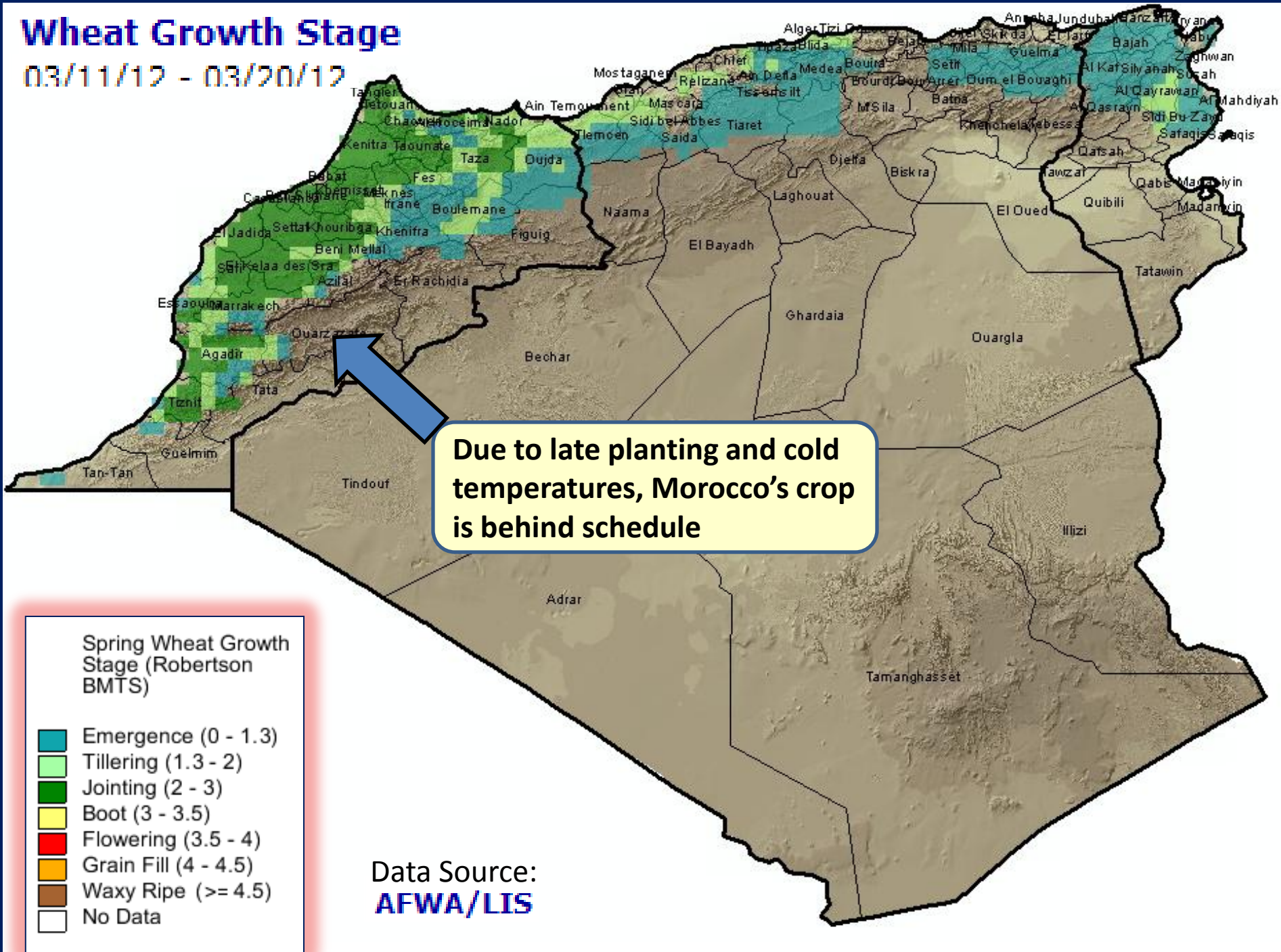


Extent of Grain Areas In Northwest Africa



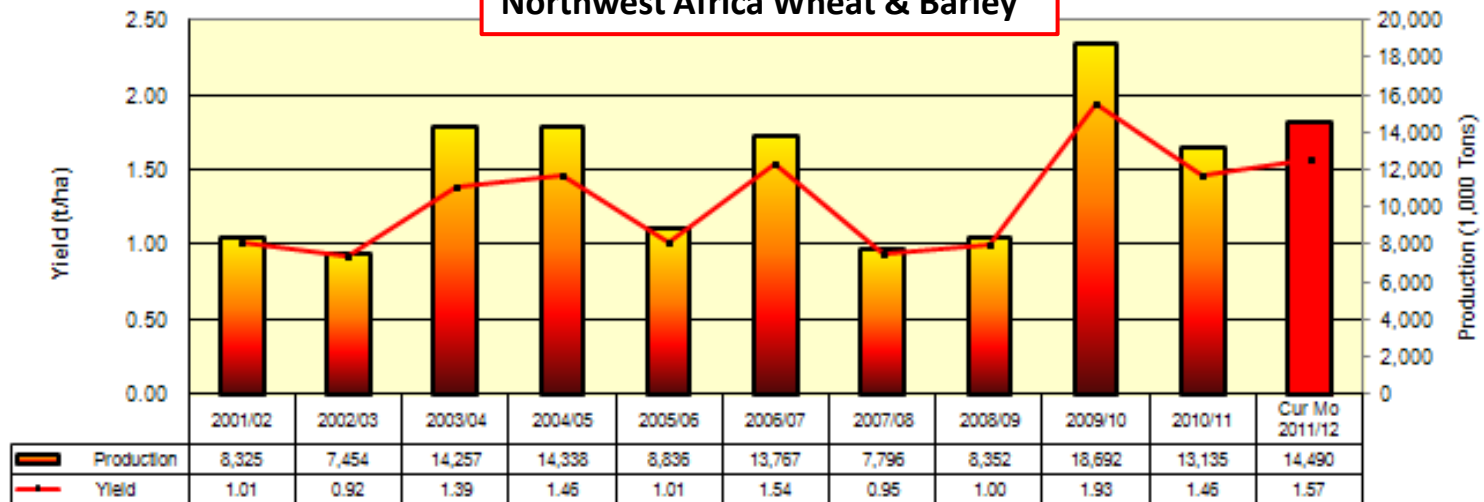
Satellite Derived landcover

03/11/12 - 03/20/12

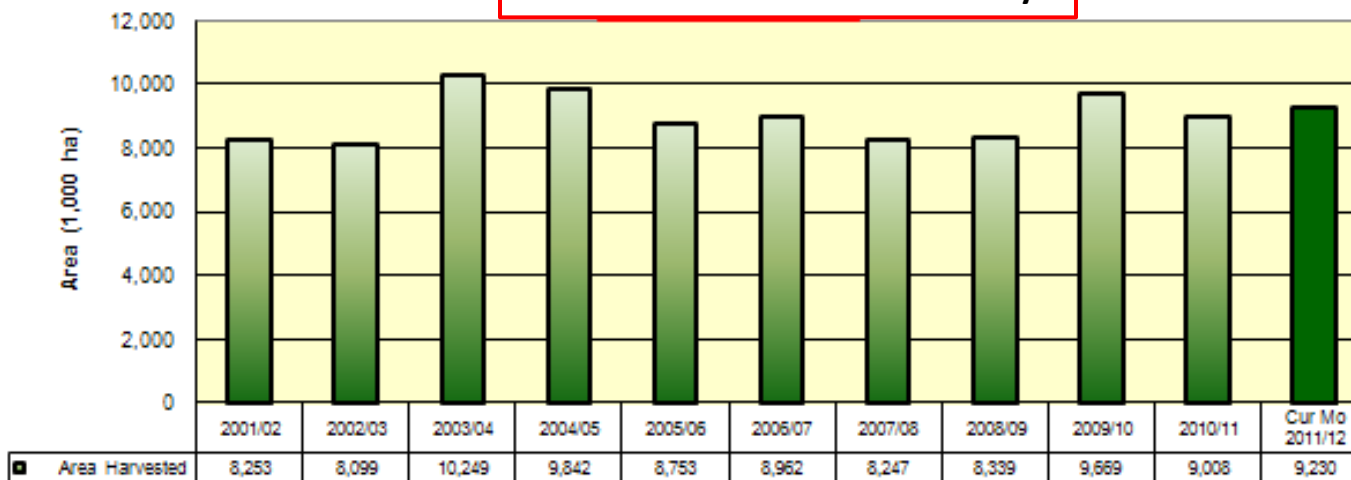


Northwest Africa (Morocco, Algeria, & Tunisia) Combined Wheat & Barley Area, Yield, & Production

Northwest Africa Wheat & Barley



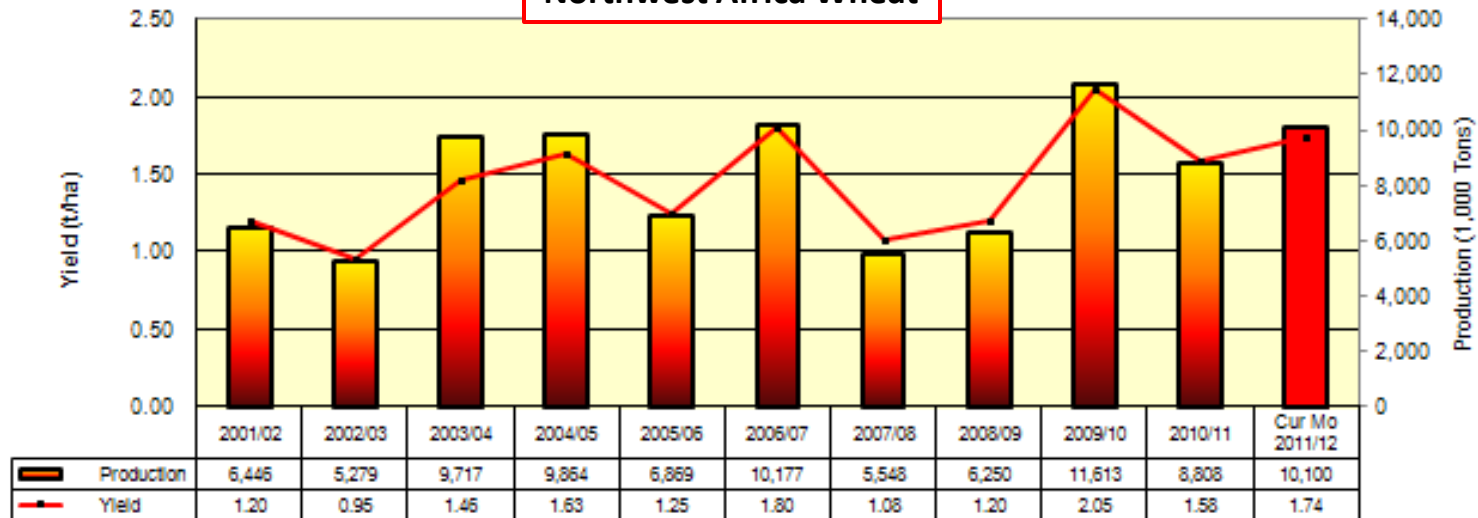
Northwest Africa Wheat & Barley



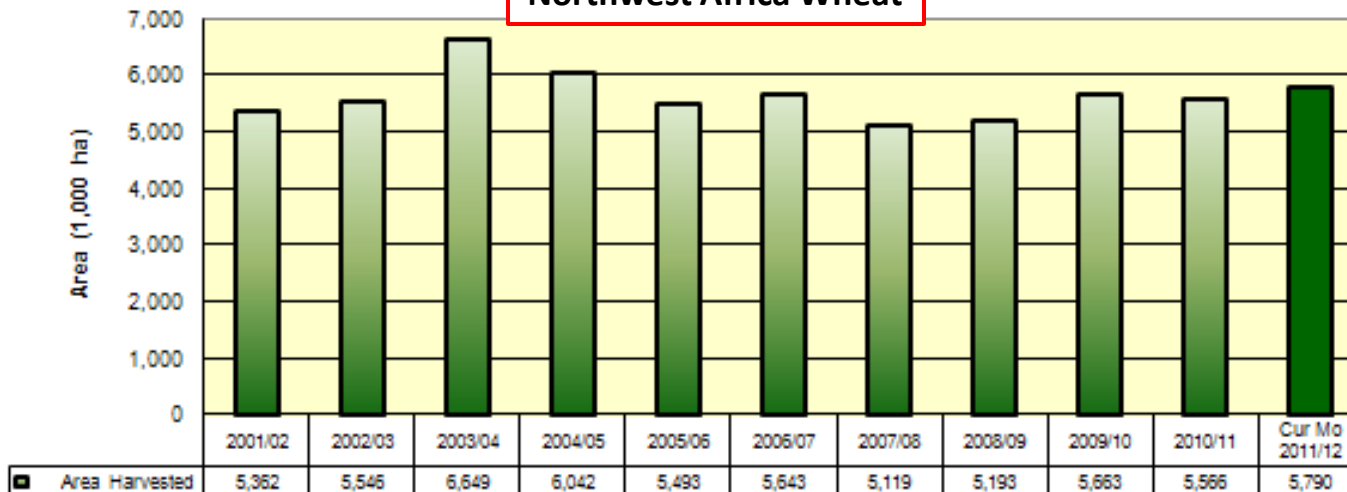
Northwest Africa (Morocco, Algeria, & Tunisia)

Wheat Area, Yield, & Production

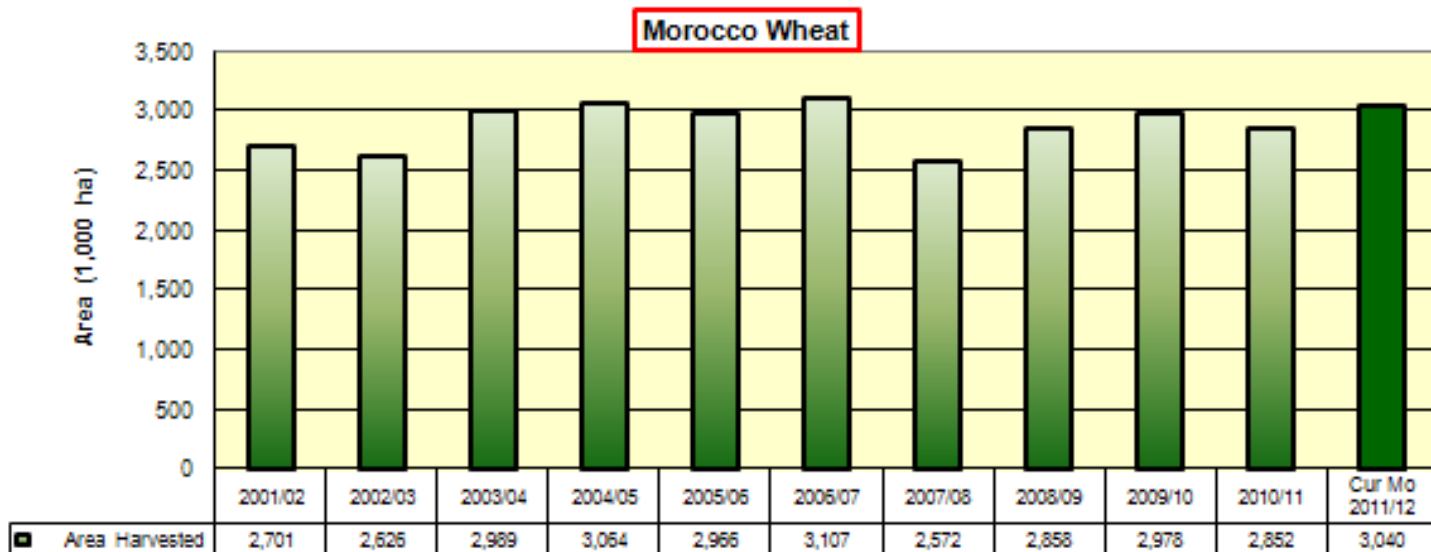
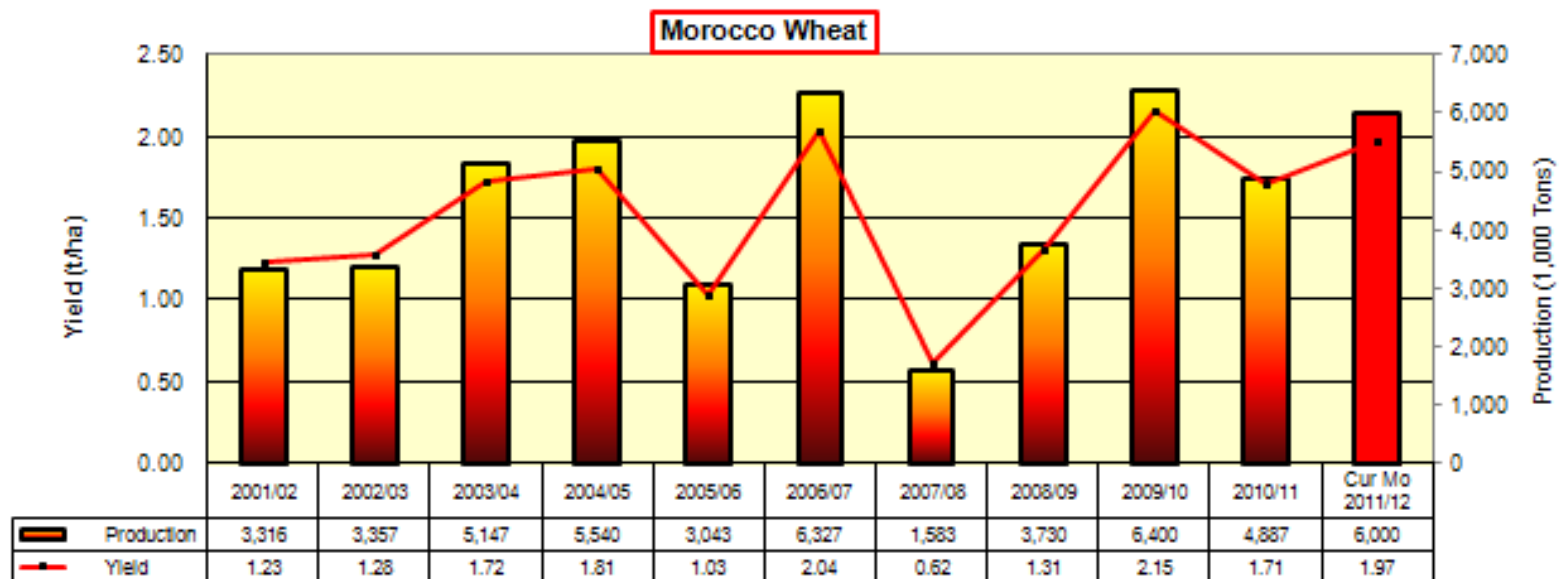
Northwest Africa Wheat



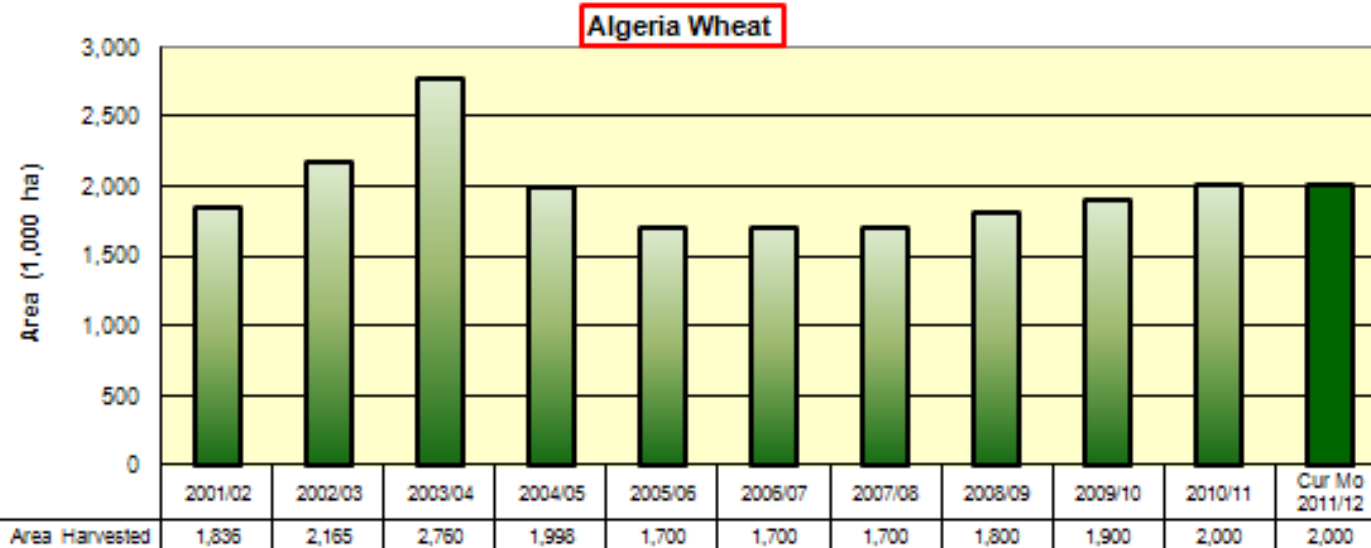
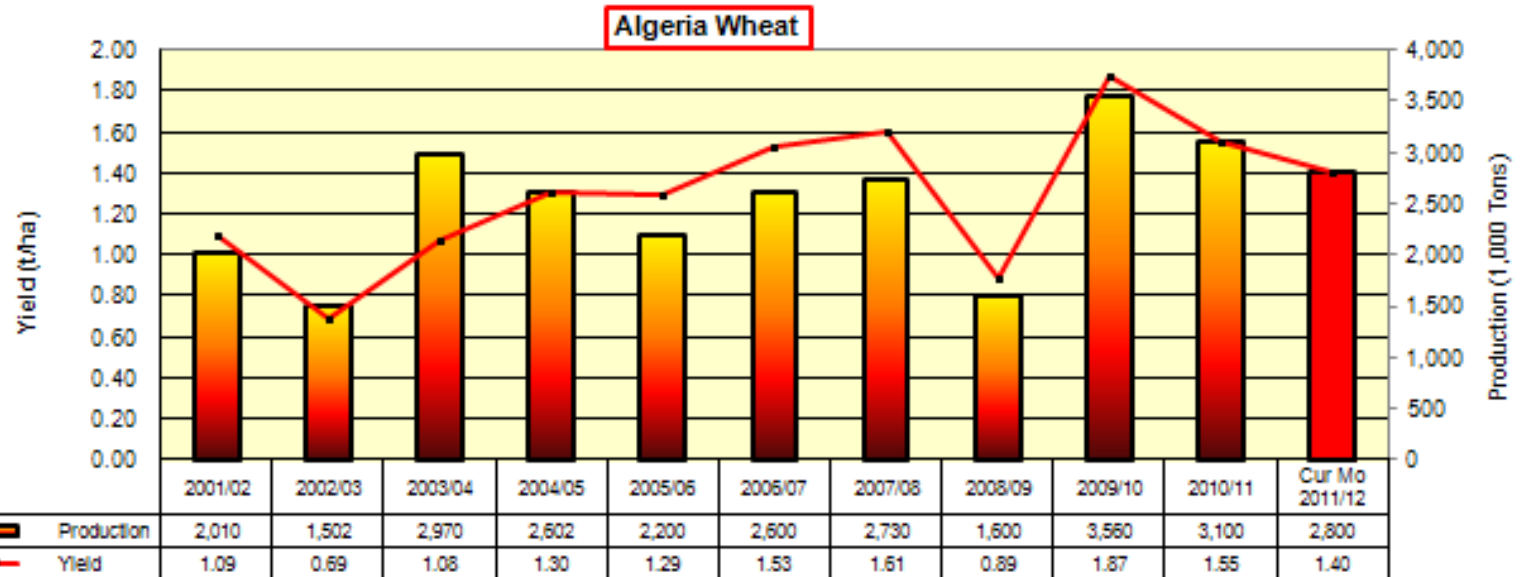
Northwest Africa Wheat



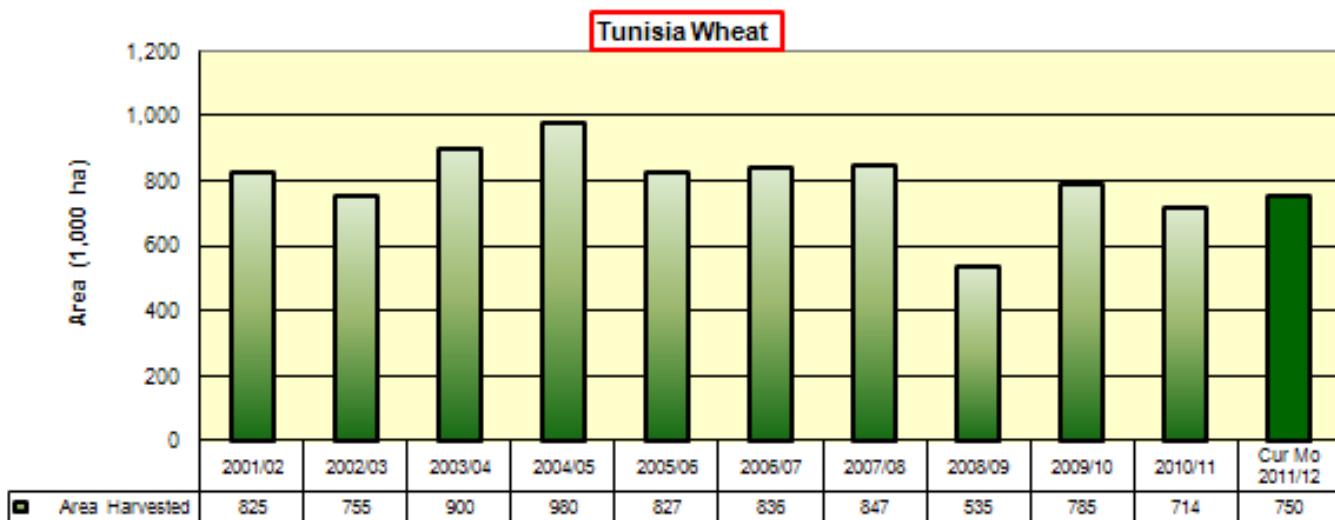
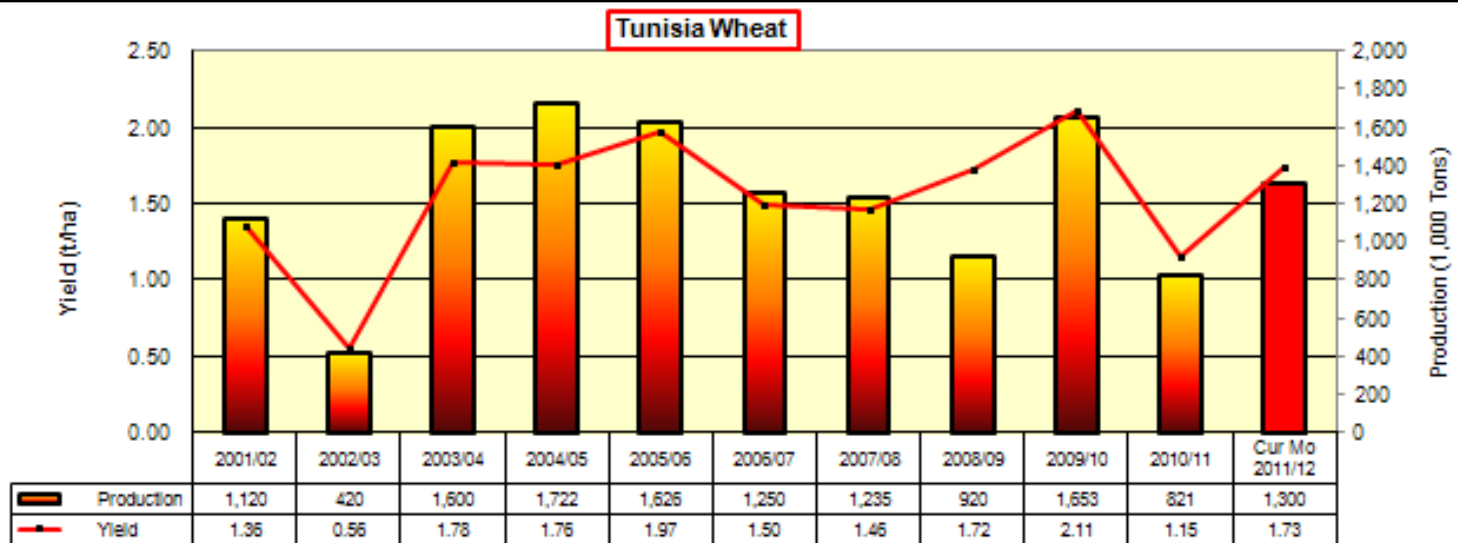
Morocco Wheat Area, Yield, & Production



Algeria Wheat Area, Yield, & Production

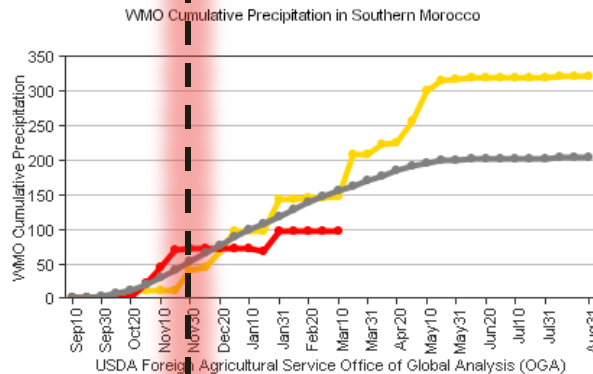
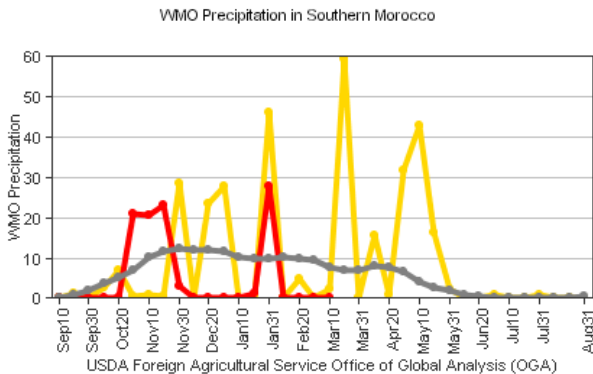
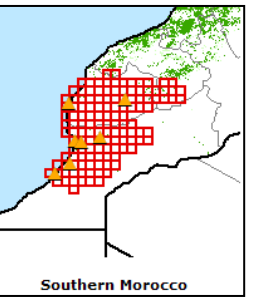
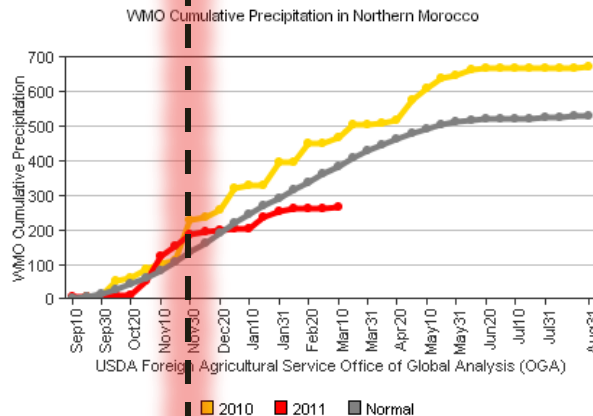
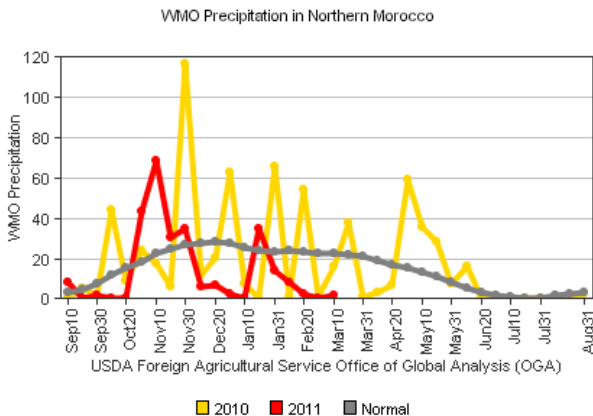
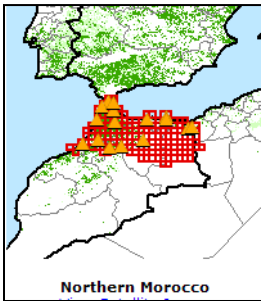
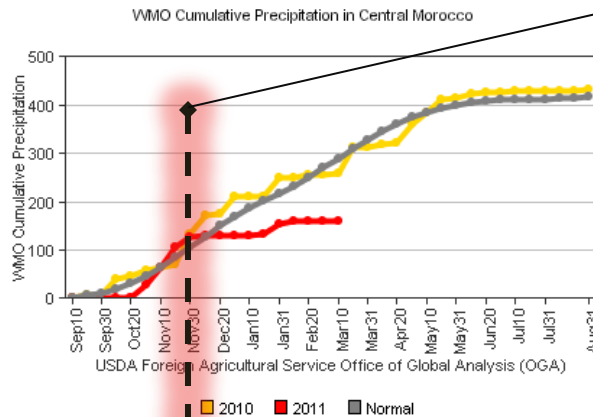
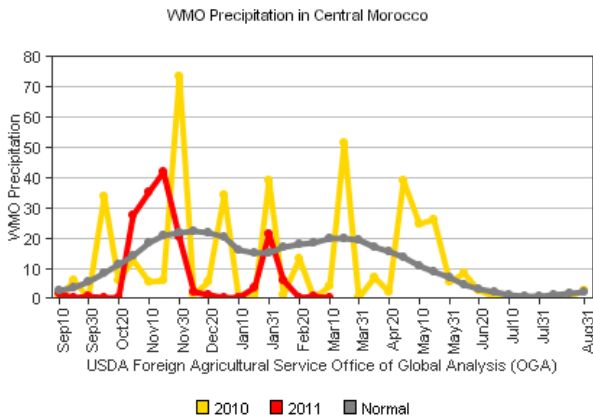
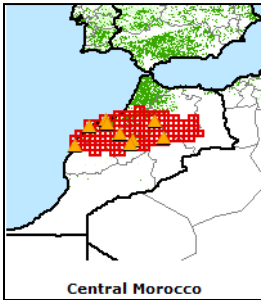


Tunisia Wheat Area, Yield, & Production



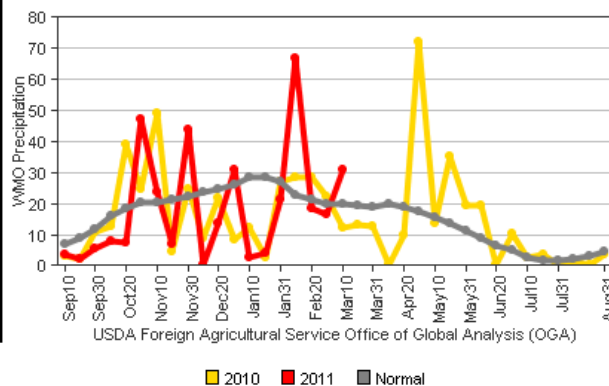
Cumulative Precipitation in Morocco

Rainfall rapidly diminished in all areas of Morocco just before December

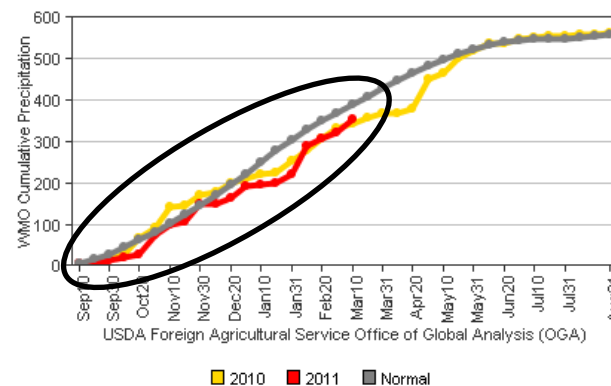


Cumulative Seasonal Precipitation in Algeria has been close to normal

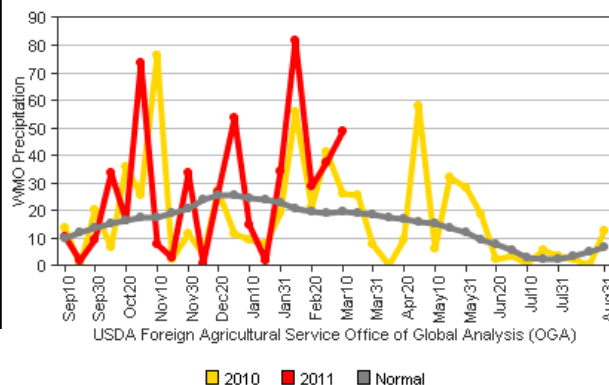
WMO Precipitation in Central Algeria



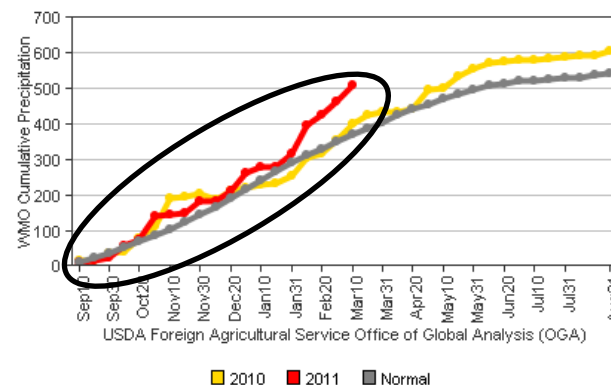
WMO Cumulative Precipitation in Central Algeria



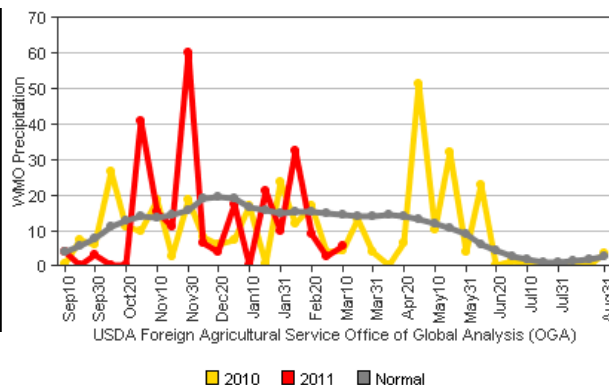
WMO Precipitation in Eastern Algeria



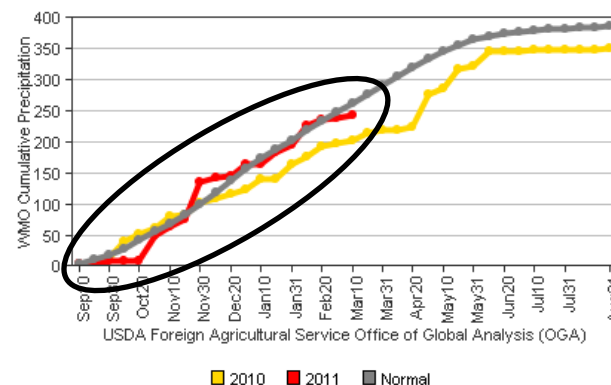
WMO Cumulative Precipitation in Eastern Algeria



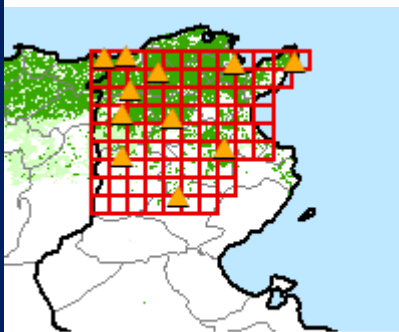
WMO Precipitation in Western Algeria



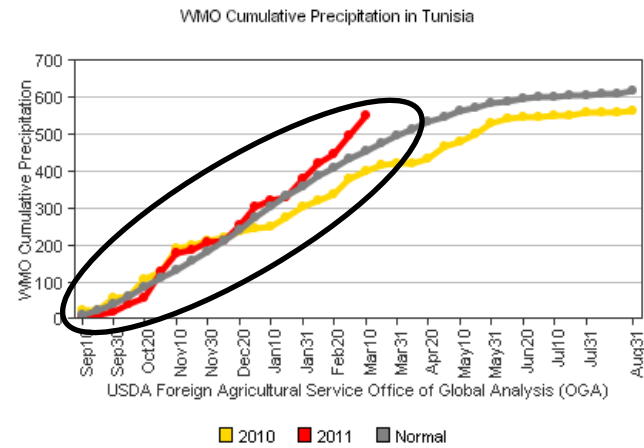
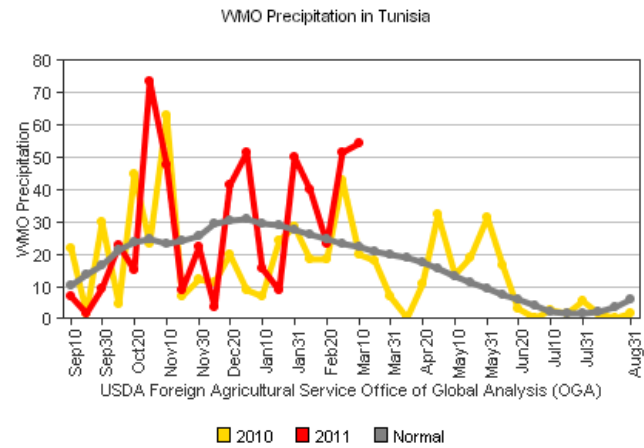
WMO Cumulative Precipitation in Western Algeria



Precipitation in Tunisia has been favorable with normal or above-normal amounts all season.

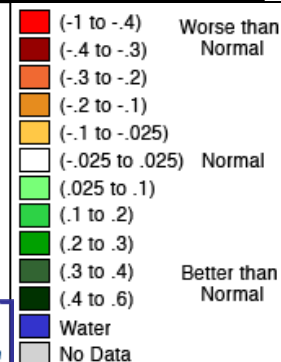
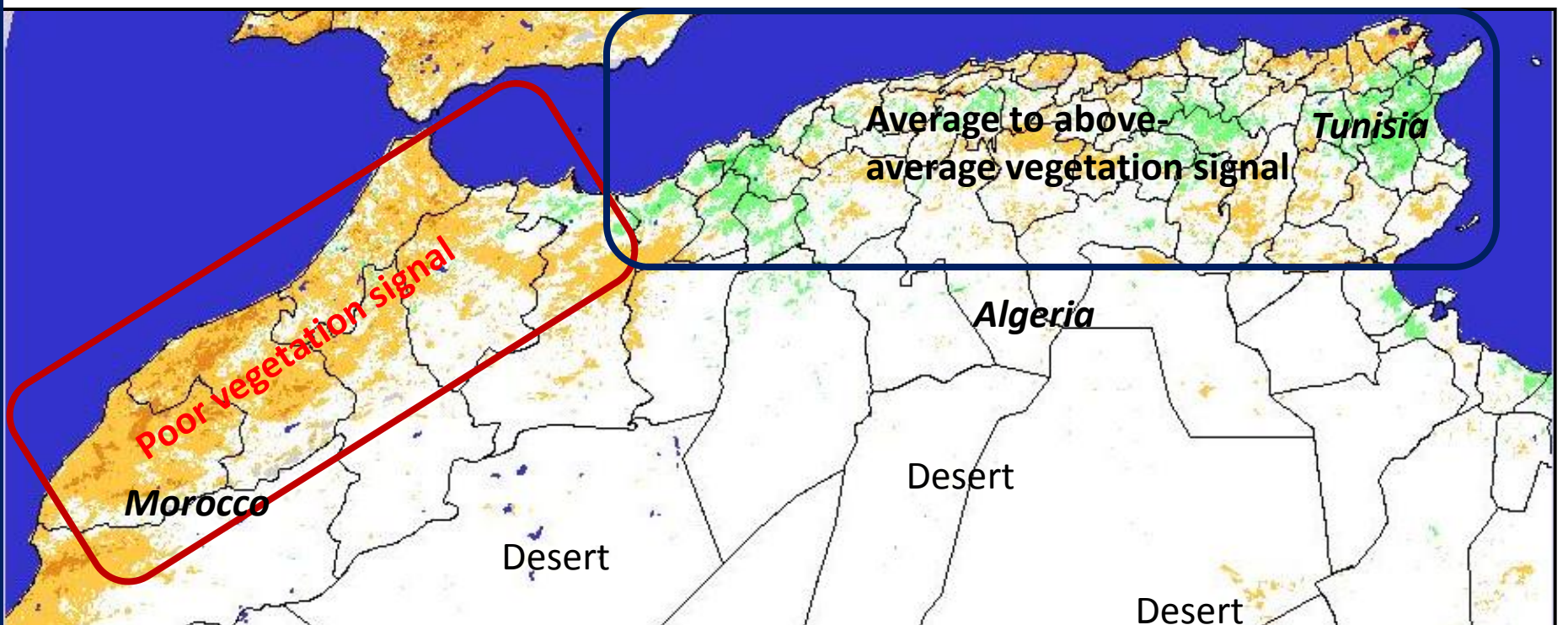


Tunisia



Conditions in North Africa as depicted by MODIS Satellite Data

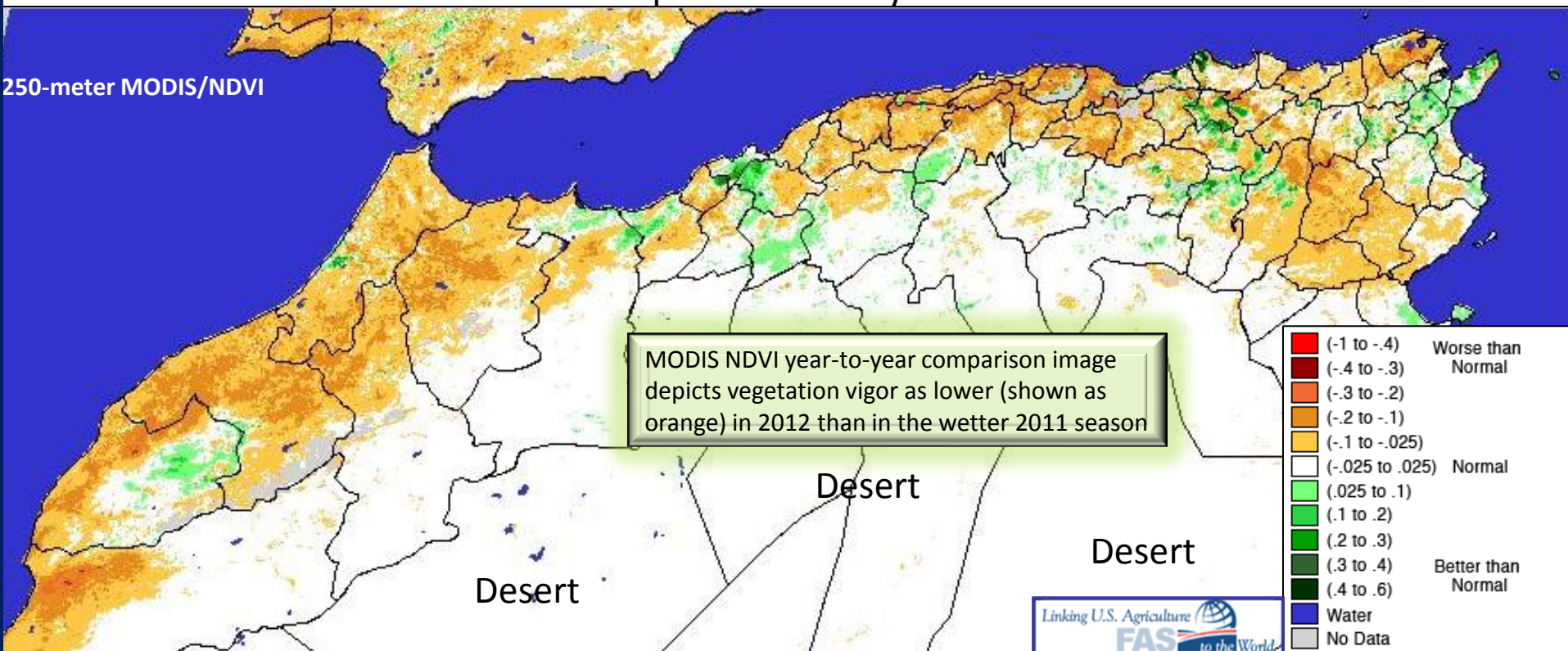
Composite of Mar-05 to Mar-20 2012 vs. Ten-Year Average



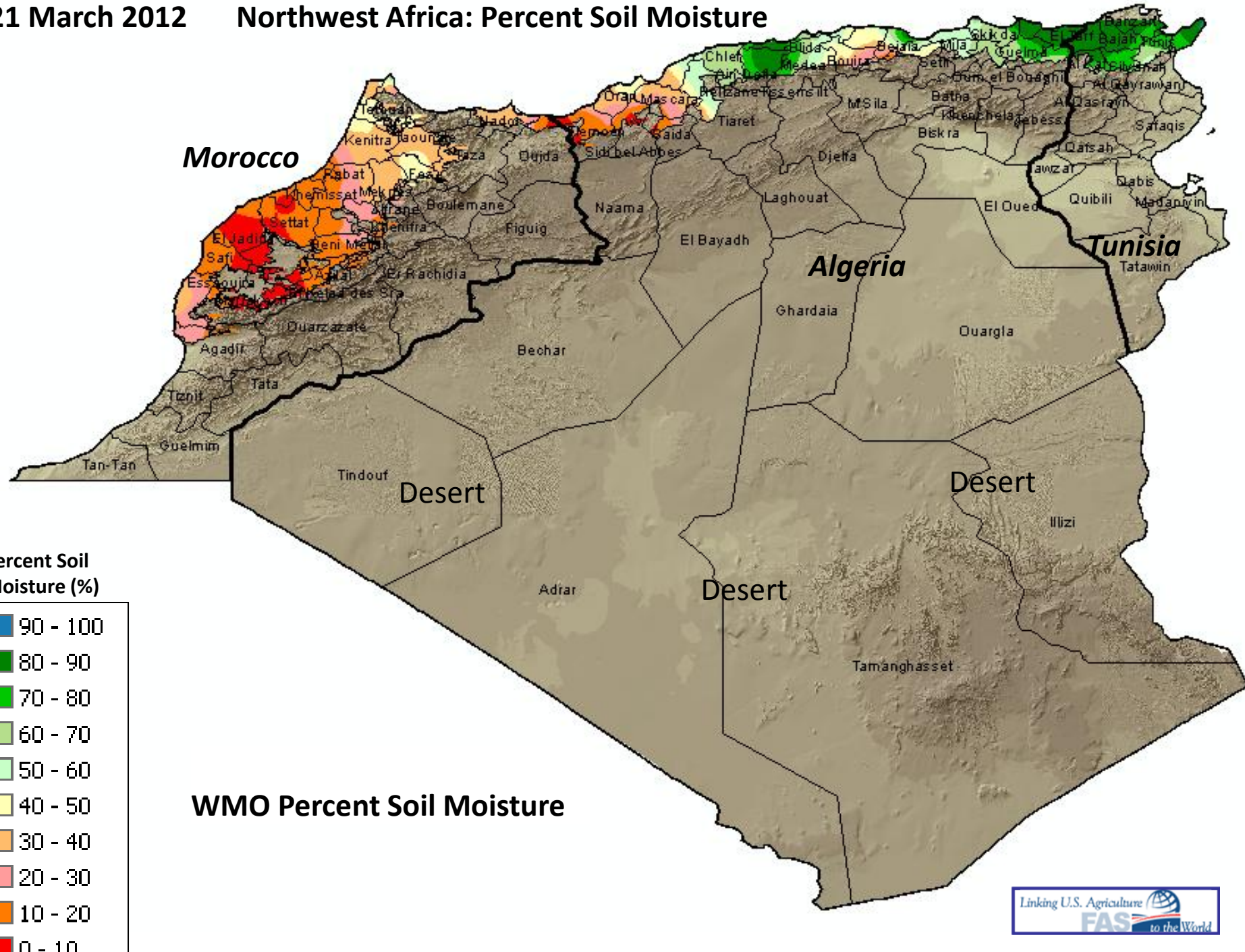
Conditions in North Africa as depicted by MODIS Satellite Data

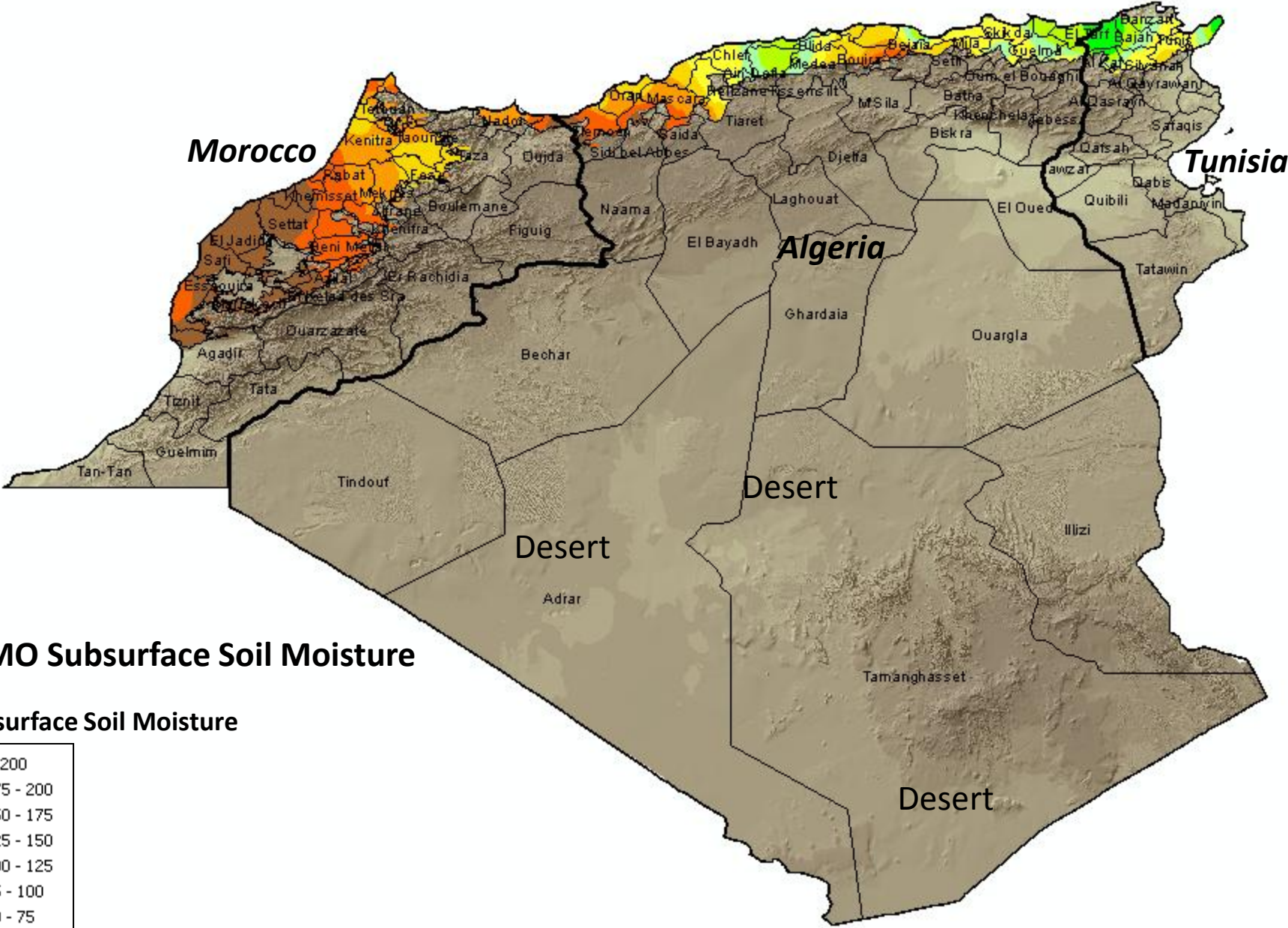
Composite of March 5 -20, 2012 vs. March 2011

Comparison to last year



When compared to last year's crop this year's vegetation in Northwest Africa appears much worse





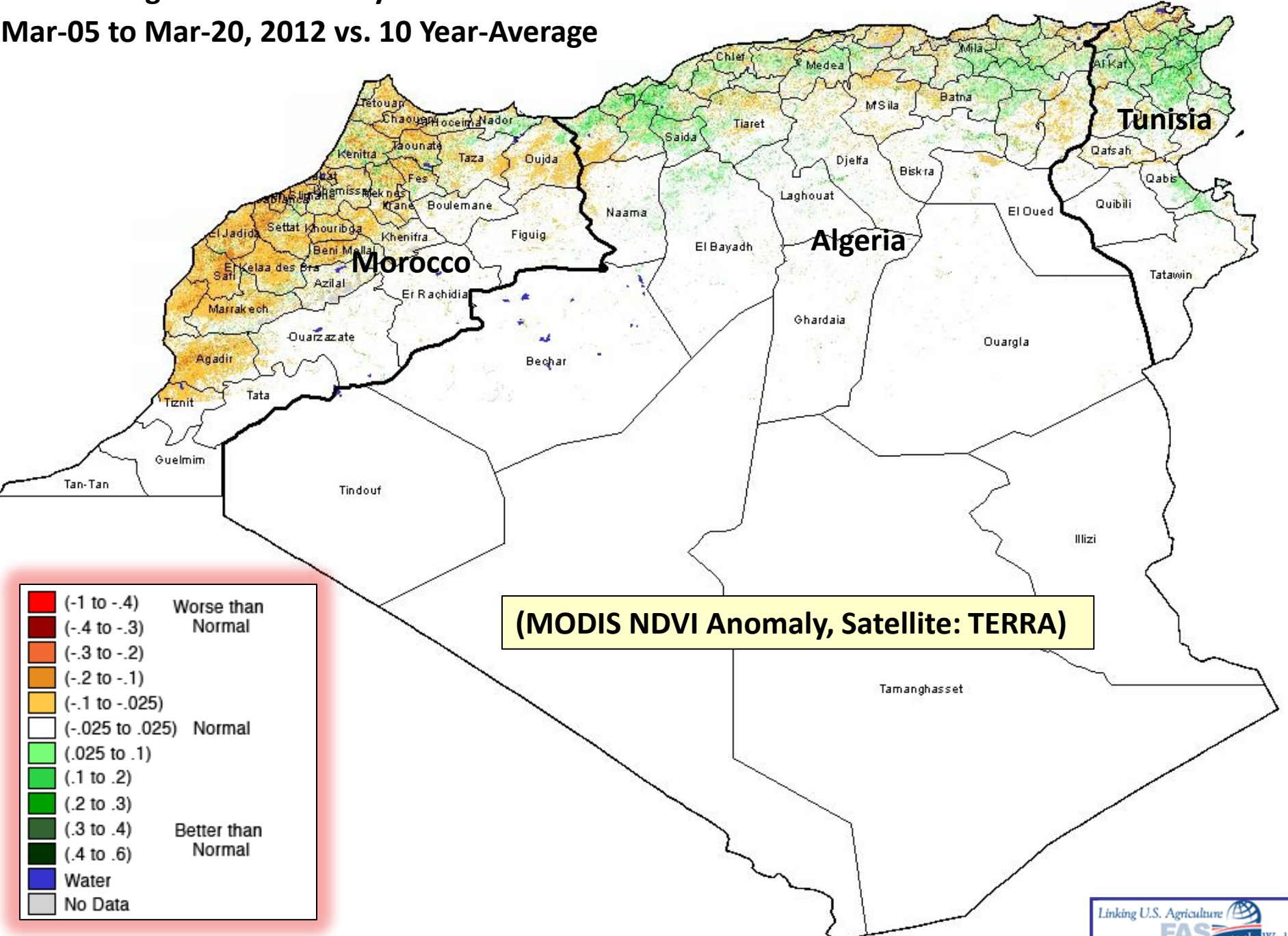
WMO Subsurface Soil Moisture

Subsurface Soil Moisture

> 200
175 - 200
150 - 175
125 - 150
100 - 125
75 - 100
50 - 75
25 - 50
0 - 25

Current Vegetation Anomaly
Mar-05 to Mar-20, 2012 vs. 10 Year-Average

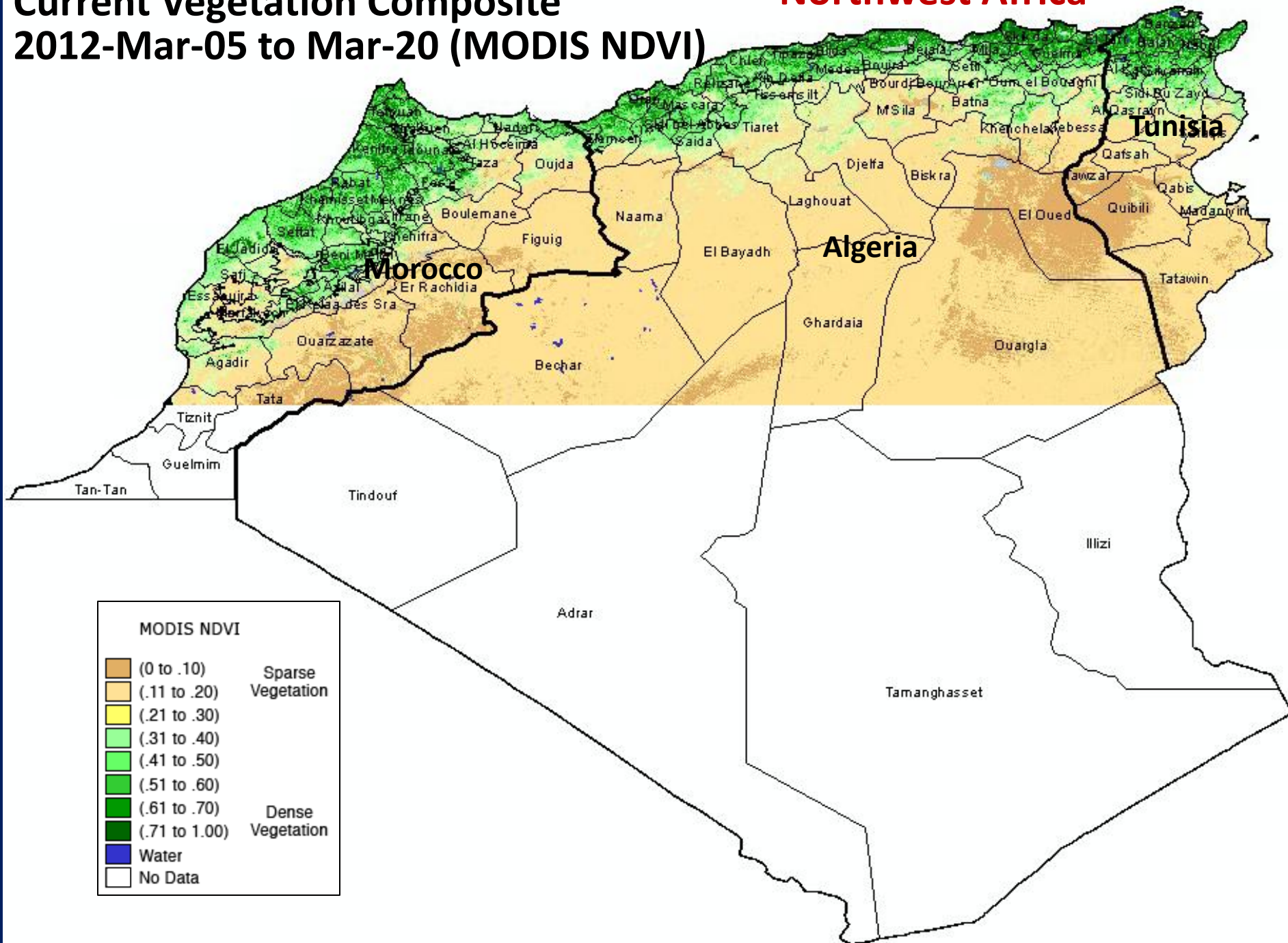
Northwest Africa



Red	(-1 to -.4)	Worse than Normal
Dark Red	(-.4 to -.3)	Normal
Orange	(-.3 to -.2)	
Light Orange	(-.2 to -.1)	
Yellow	(-.1 to -.025)	
White	(-.025 to .025)	Normal
Light Green	(.025 to .1)	
Green	(.1 to .2)	
Dark Green	(.2 to .3)	
Very Dark Green	(.3 to .4)	Better than Normal
Black	(.4 to .6)	
Blue	Water	
Grey	No Data	

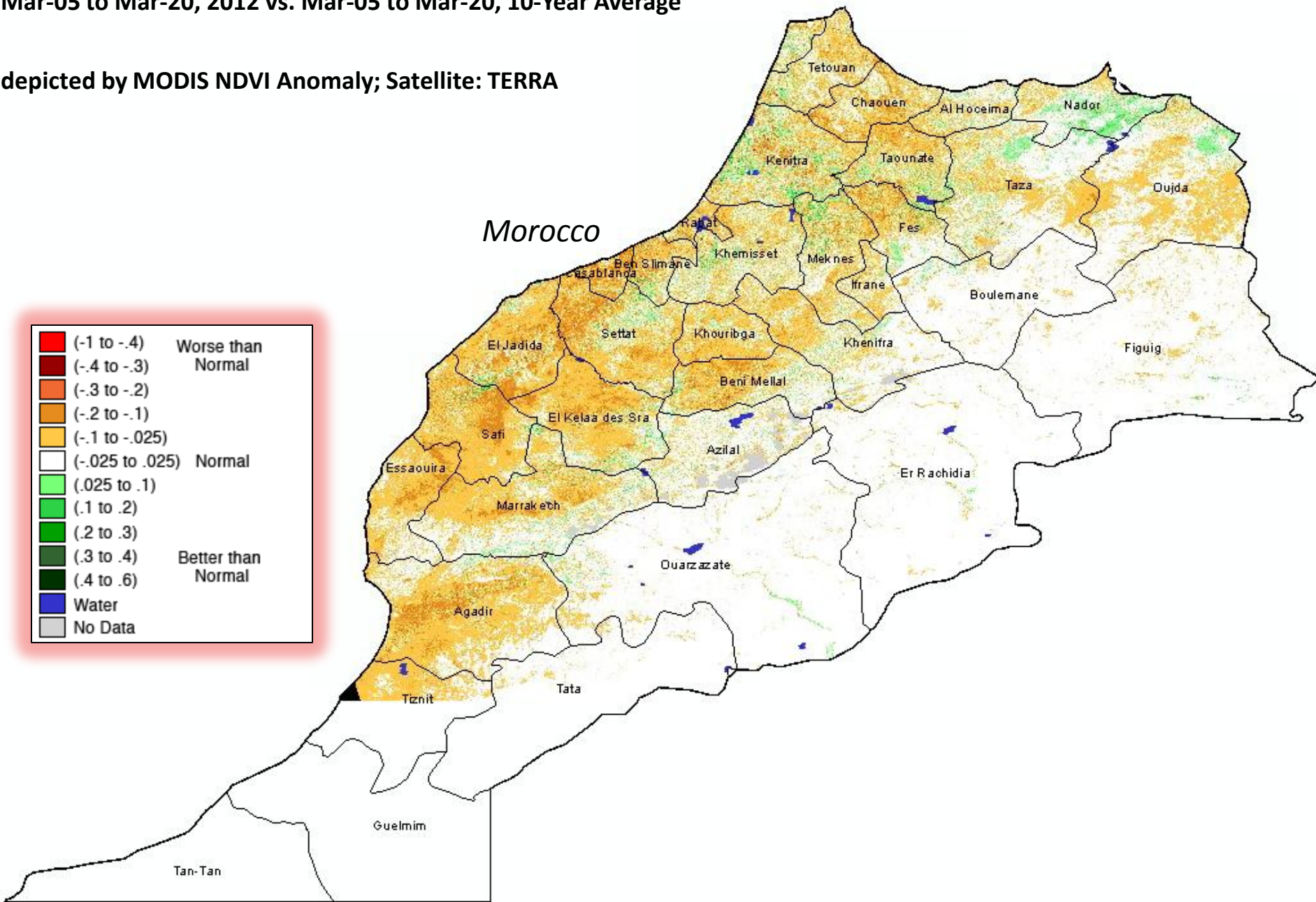
(MODIS NDVI Anomaly, Satellite: TERRA)

Northwest Africa

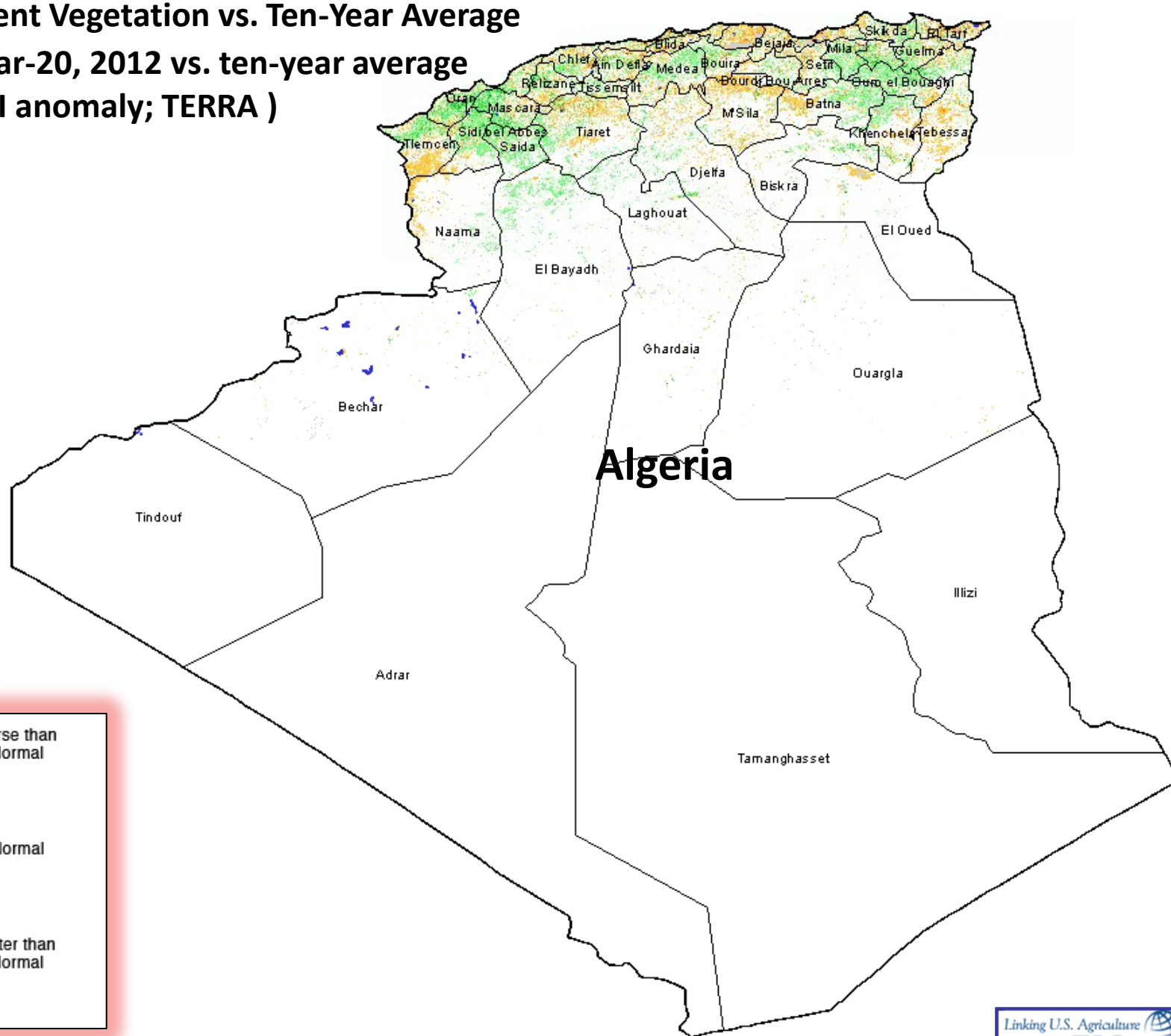


Current Vegetation vs. Ten-Year Average
Mar-05 to Mar-20, 2012 vs. Mar-05 to Mar-20, 10-Year Average

depicted by MODIS NDVI Anomaly; Satellite: TERRA



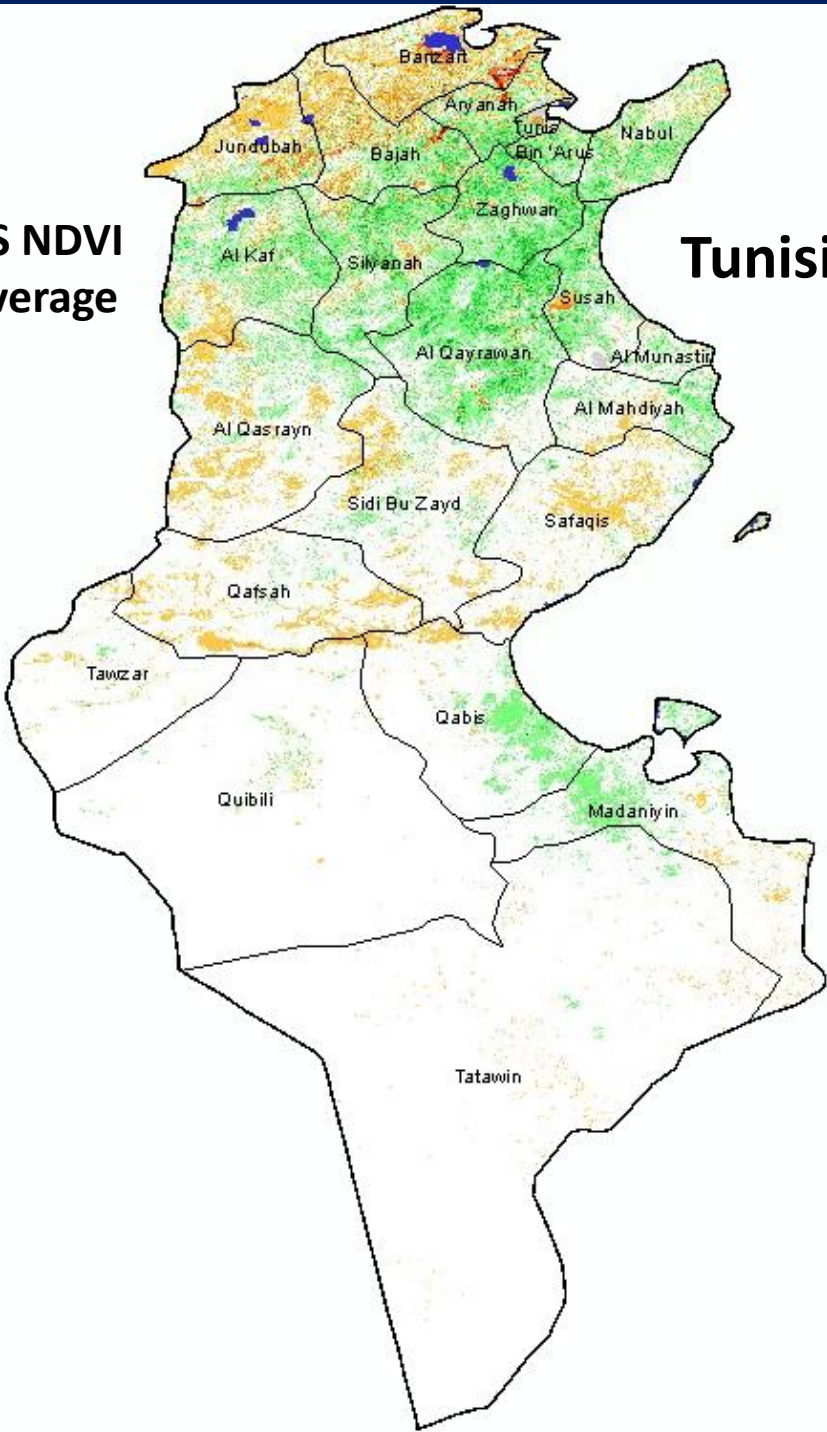
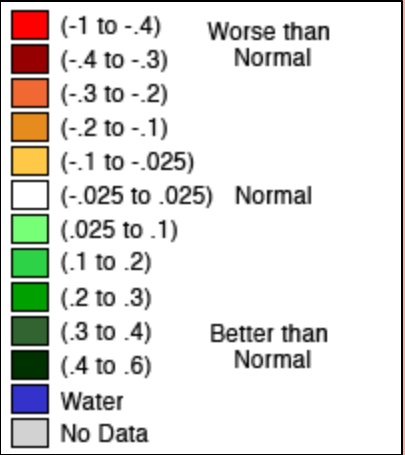
**Mar-05 to Mar-20, 2012 vs. ten-year average
(MODIS NDVI anomaly; TERRA)**



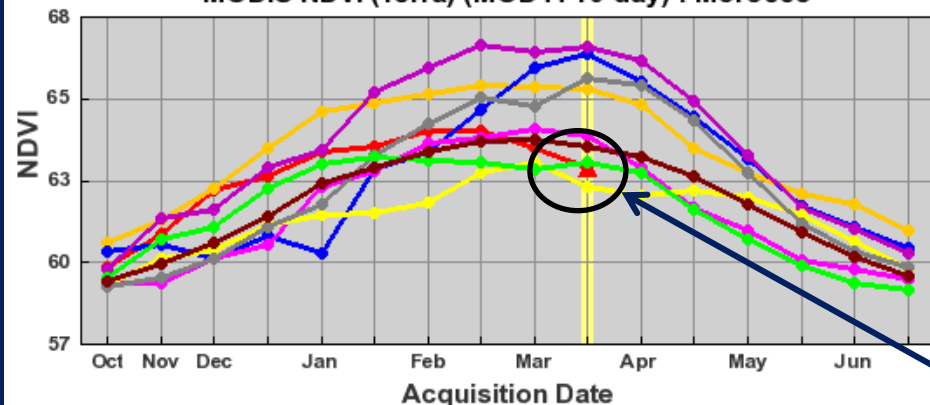
Tunisia: Current Vegetation vs.
Ten-Year Average

Mar-05 to Mar-20, 2012 (MODIS NDVI
Anomaly TERRA) vs. Ten-Year Average

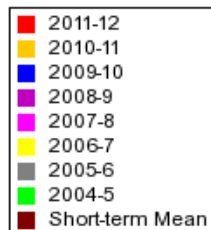
Tunisia



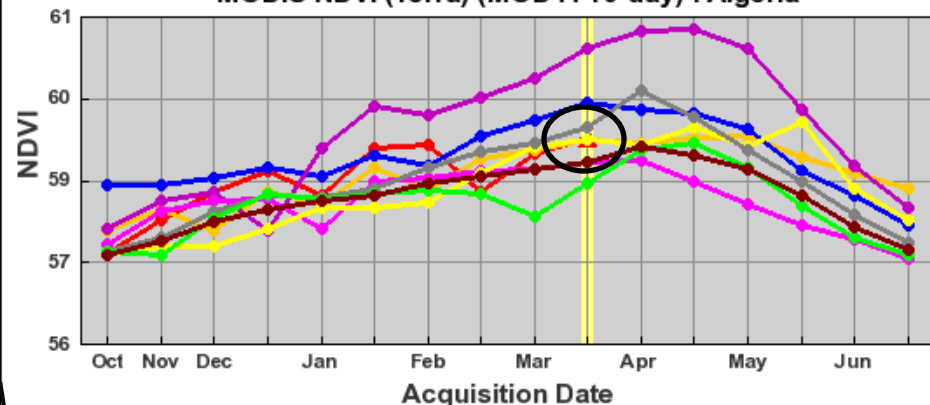
MODIS NDVI (Terra) (MOD44 16-day) : Morocco



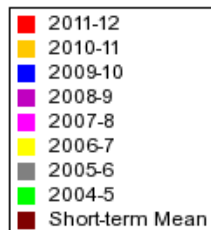
Source: USDA/NASA/UMD GLAM project
 Region: Africa, North
 Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
 Shape: Morocco
 Detail Point: 35.92224 -12.09840
 Watermask: Standard (MOD12)



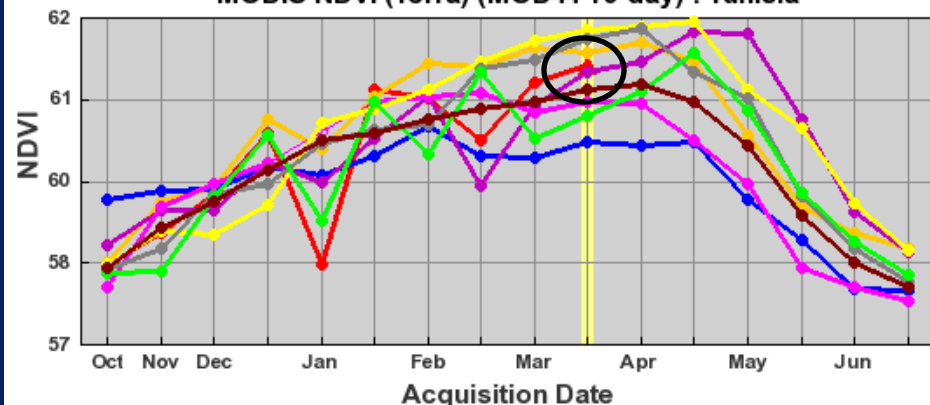
MODIS NDVI (Terra) (MOD44 16-day) : Algeria



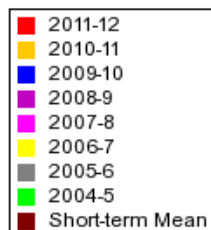
Source: USDA/NASA/UMD GLAM project
 Region: Africa, North
 Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
 Shape: Algeria
 Detail Point: 37.09135 -8.66907
 Watermask: Standard (MOD12)



MODIS NDVI (Terra) (MOD44 16-day) : Tunisia



Source: USDA/NASA/UMD GLAM project
 Region: Africa, North
 Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
 Shape: Tunisia
 Detail Point: 37.34316 7.49037
 Watermask: Standard (MOD12)



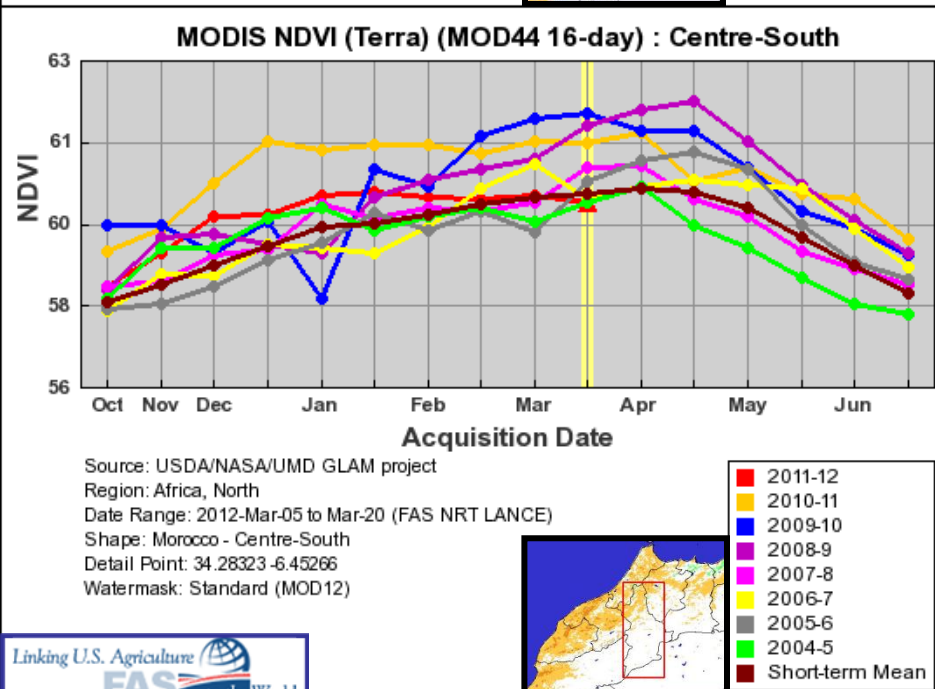
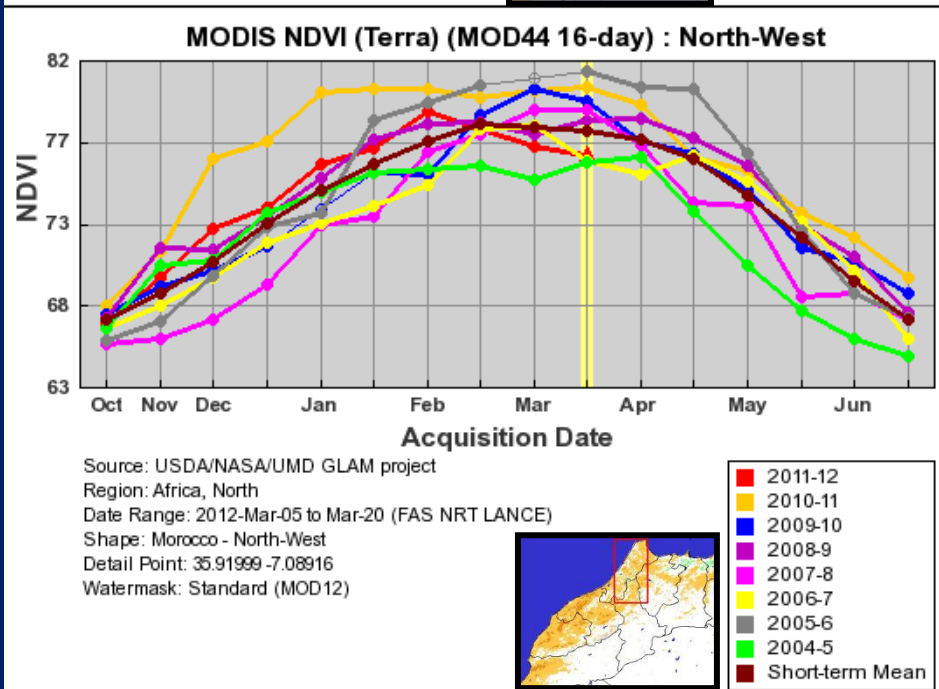
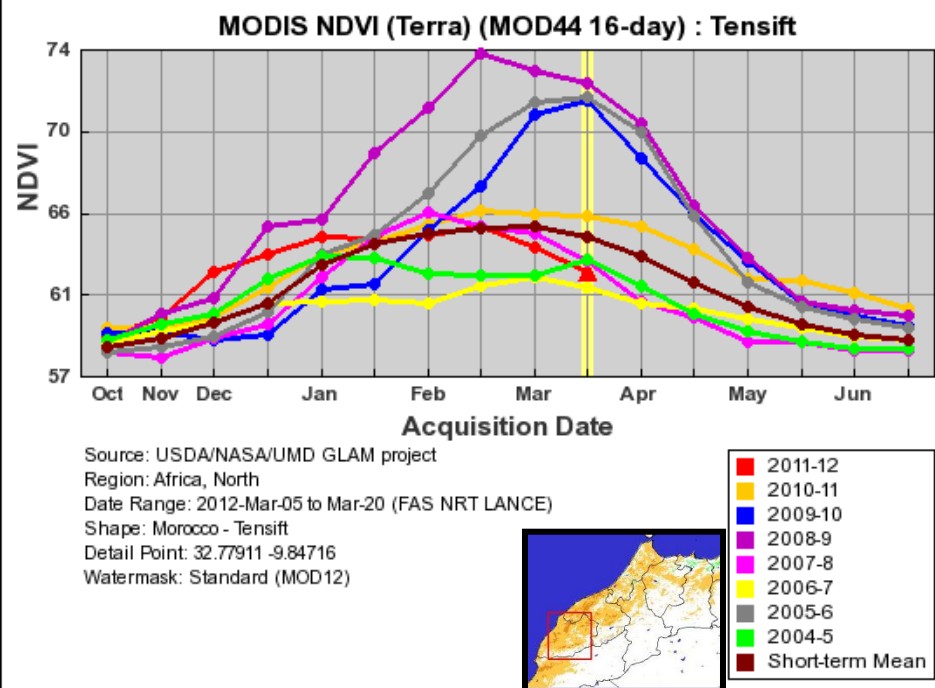
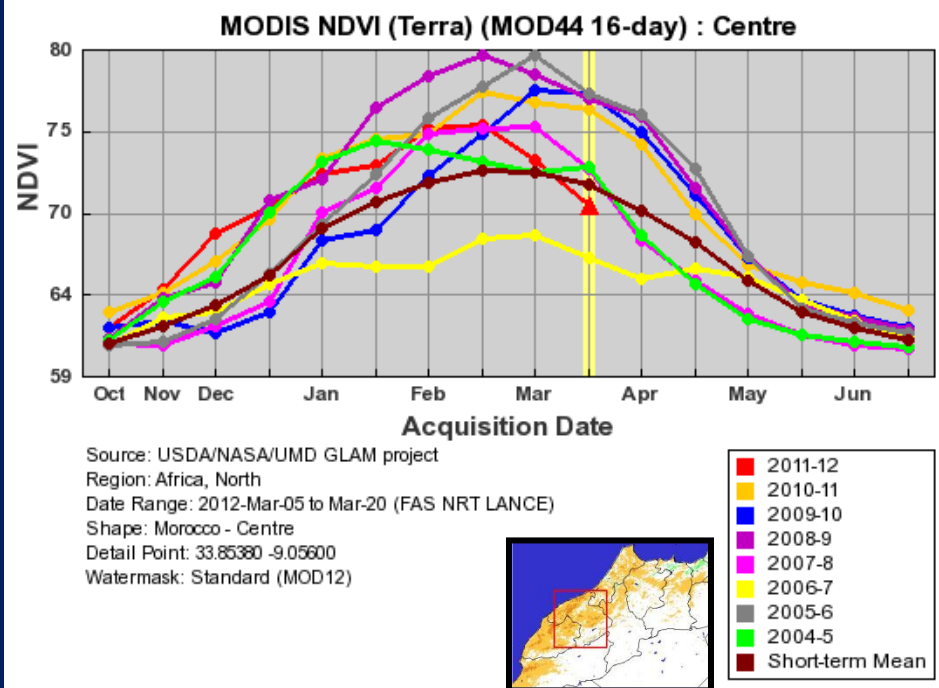
Northwest Africa NDVI Graphs:

Vegetation Index in Morocco continues to fall after peaking in early February, about a month earlier than normal.

Algeria and Tunisia NDVI graphs appear to be still rising. This year appears about average in Algeria and a little higher than average in Tunisia

NDVI graphs are good indicators of vegetation health over a period of time. Generally, the higher NDVI graphs correspond to healthier, denser vegetation, which can then be inferred to the crops.

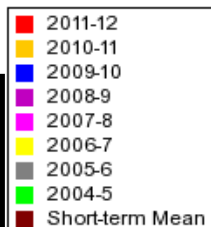
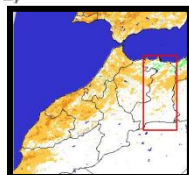
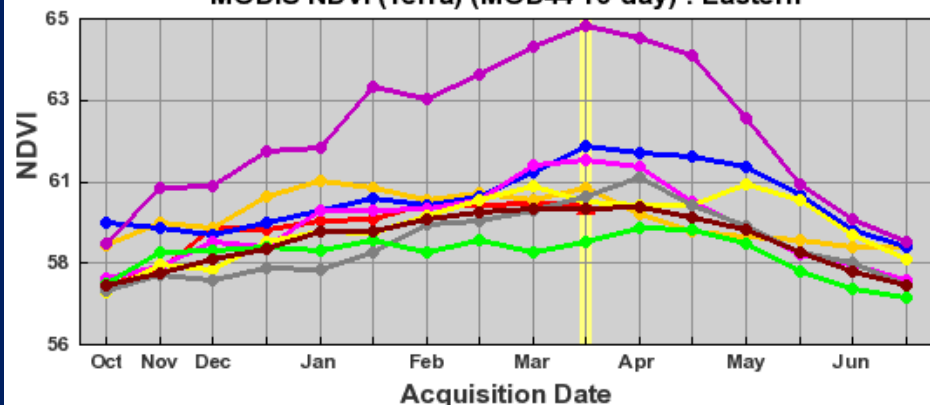
Morocco: 2011/12 NDVI Depicts Below-Average Crop Conditions



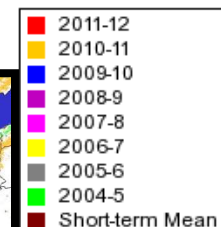
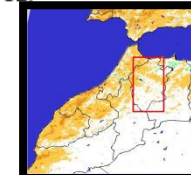
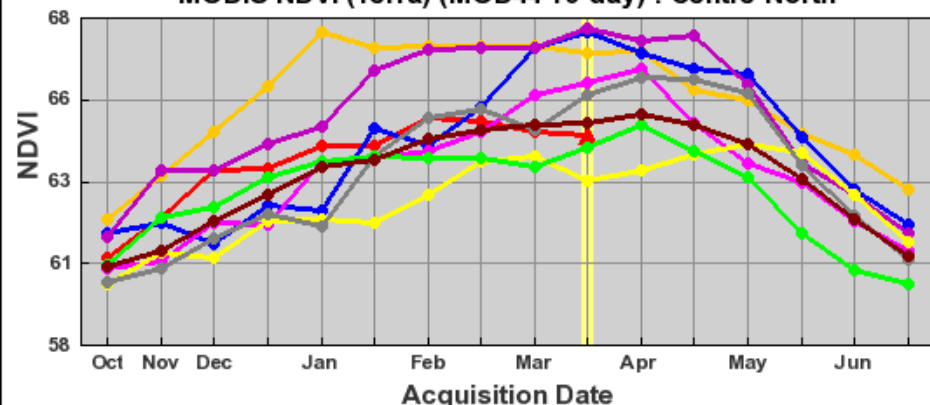
NDVI depicts poor-to-average crop conditions in eastern Morocco

Morocco

MODIS NDVI (Terra) (MOD44 16-day) : Eastern

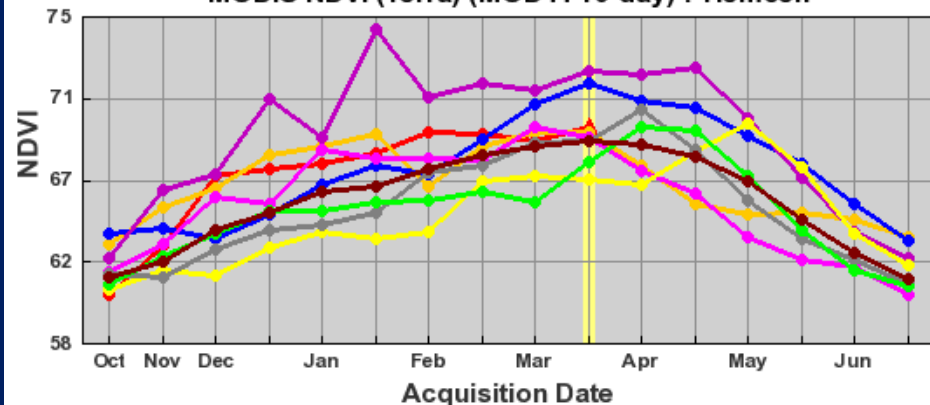


MODIS NDVI (Terra) (MOD44 16-day) : Centre-North

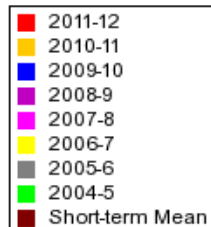


Western Algeria MODIS NDVI Time Series: 2011/12 NDVI Depicts Average Crop Conditions

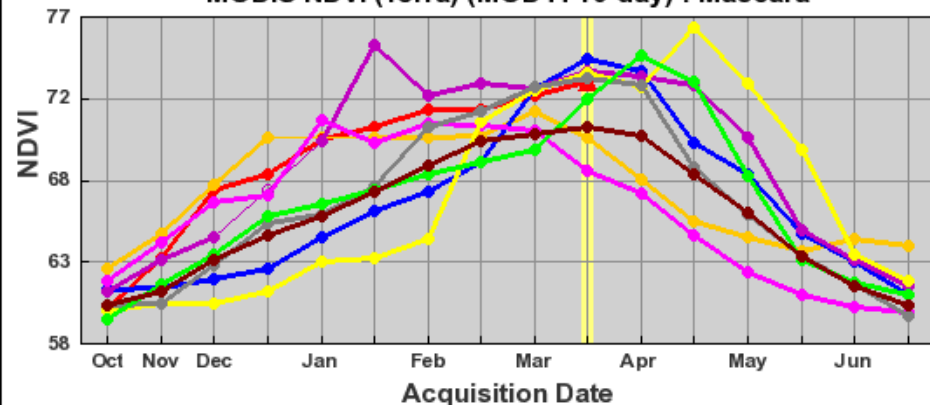
MODIS NDVI (Terra) (MOD44 16-day) : Tlemcen



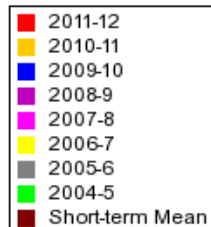
Source: USDA/NASA/UMD GLAM project
 Region: Africa, North
 Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
 Shape: Algeria - Tlemcen
 Detail Point: 35.31969 -2.21053
 Watermask: Standard (MOD12)



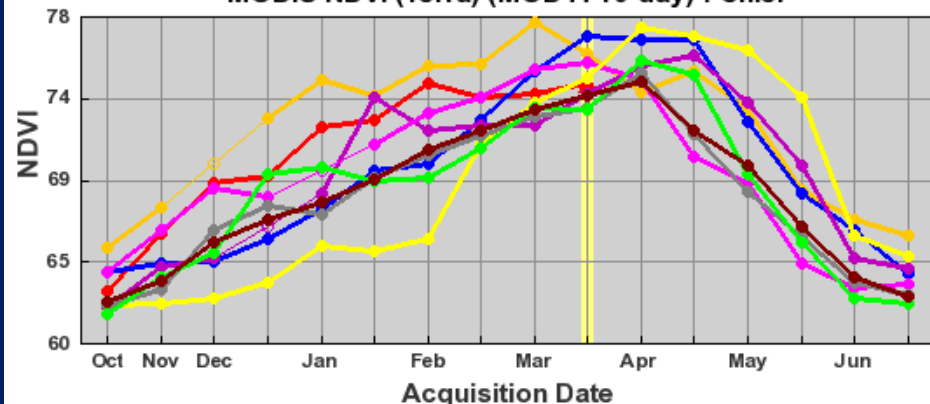
MODIS NDVI (Terra) (MOD44 16-day) : Mascara



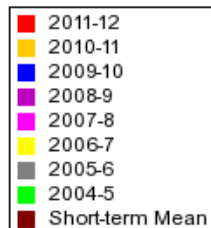
Source: USDA/NASA/UMD GLAM project
 Region: Africa, North
 Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
 Shape: Algeria - Mascara
 Detail Point: 35.73788 -0.54832
 Watermask: Standard (MOD12)



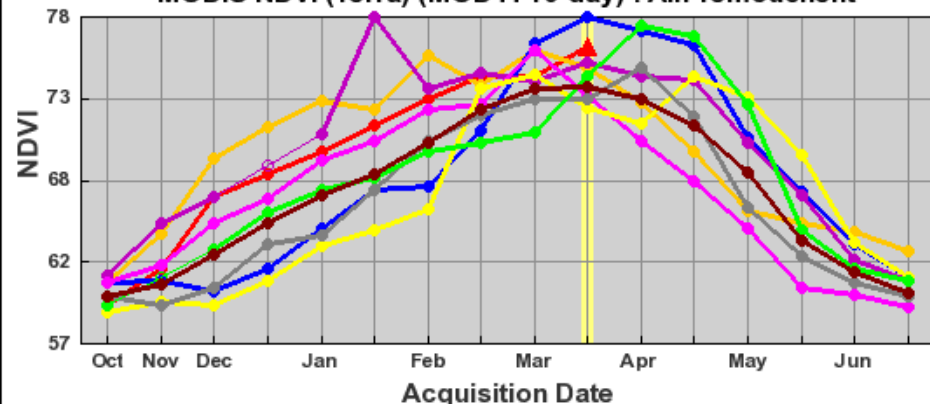
MODIS NDVI (Terra) (MOD44 16-day) : Chlef



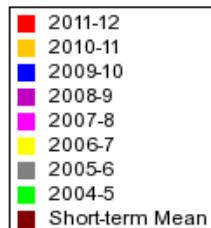
Source: USDA/NASA/UMD GLAM project
 Region: Africa, North
 Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
 Shape: Algeria - Chlef
 Detail Point: 36.55176 0.68712
 Watermask: Standard (MOD12)



MODIS NDVI (Terra) (MOD44 16-day) : Ain Temouchent

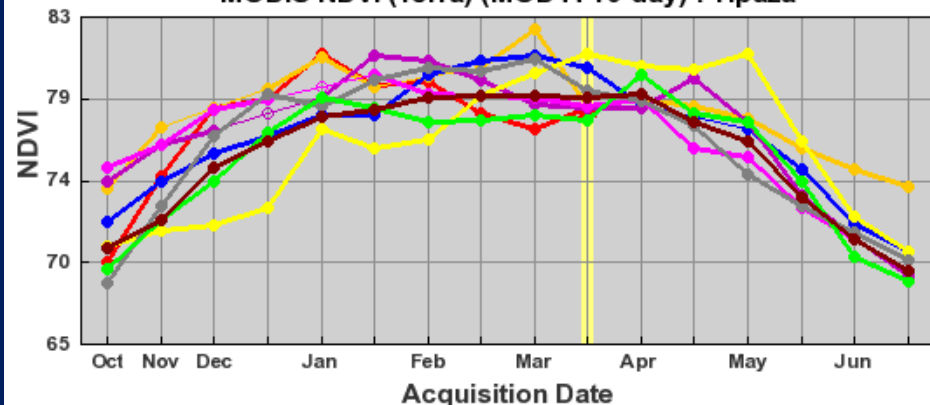


Source: USDA/NASA/UMD GLAM project
 Region: Africa, North
 Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
 Shape: Algeria - Ain Temouchent
 Detail Point: 35.67942 -1.36361
 Watermask: Standard (MOD12)

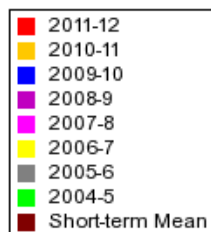


Central Algeria: 2011/12 NDVI Depicts Average Crop Conditions

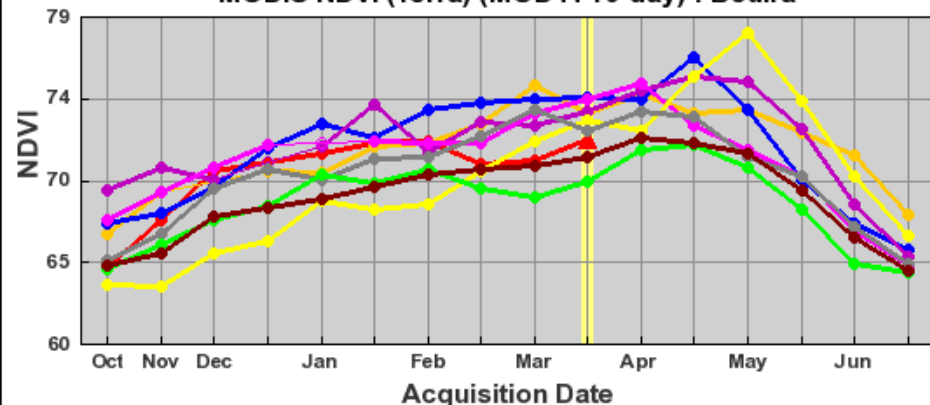
MODIS NDVI (Terra) (MOD44 16-day) : Tipaza



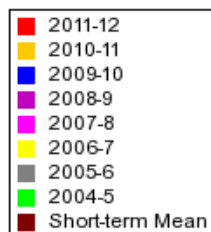
Source: USDA/NASA/UMD GLAM project
Region: Africa, North
Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
Shape: Algeria - Tipaza
Detail Point: 36.80357 1.69363
Watermask: Standard (MOD12)



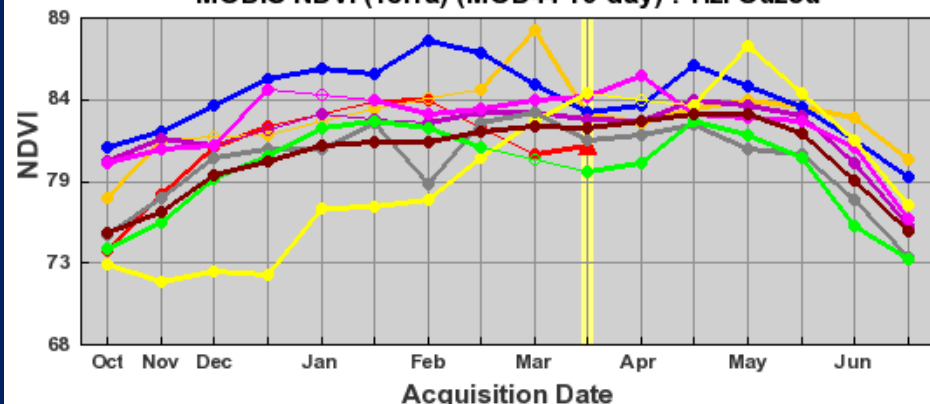
MODIS NDVI (Terra) (MOD44 16-day) : Bouira



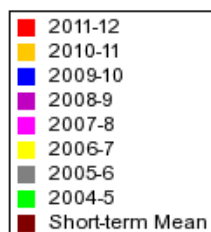
Source: USDA/NASA/UMD GLAM project
Region: Africa, North
Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
Shape: Algeria - Bouira
Detail Point: 36.69790 3.26107
Watermask: Standard (MOD12)



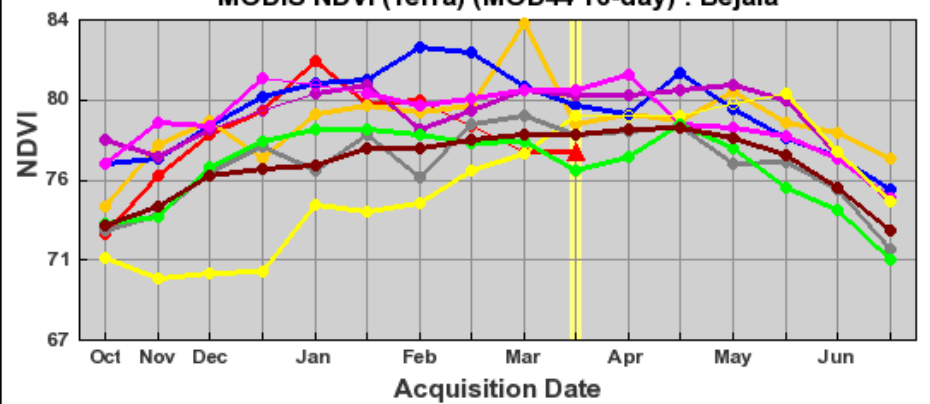
MODIS NDVI (Terra) (MOD44 16-day) : Tizi Ouzou



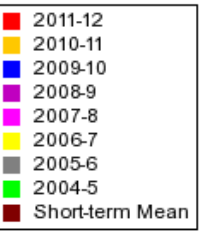
Source: USDA/NASA/UMD GLAM project
Region: Africa, North
Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
Shape: Algeria - Tizi Ouzou
Detail Point: 36.90699 3.72704
Watermask: Standard (MOD12)



MODIS NDVI (Terra) (MOD44 16-day) : Bejaia

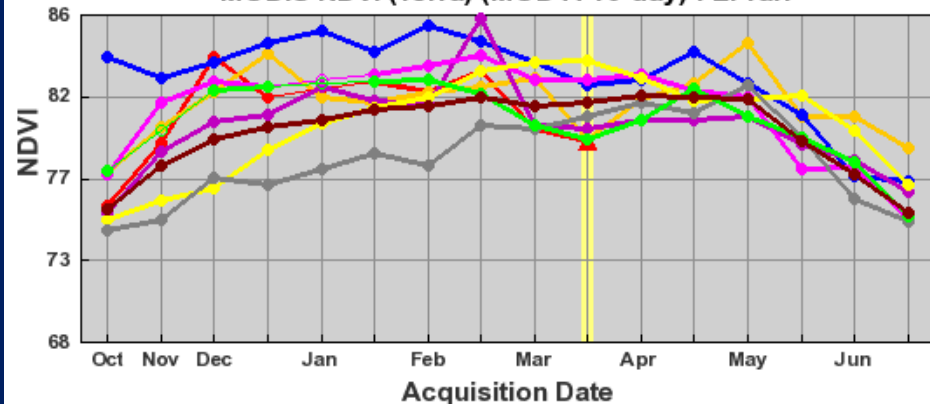


Source: USDA/NASA/UMD GLAM project
Region: Africa, North
Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
Shape: Algeria - Bejaia
Detail Point: 36.89675 4.35074
Watermask: Standard (MOD12)

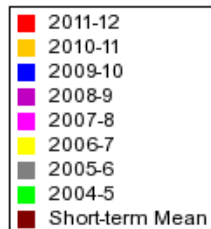


Eastern Algeria: 2011/12 NDVI Depicts Average Crop Conditions

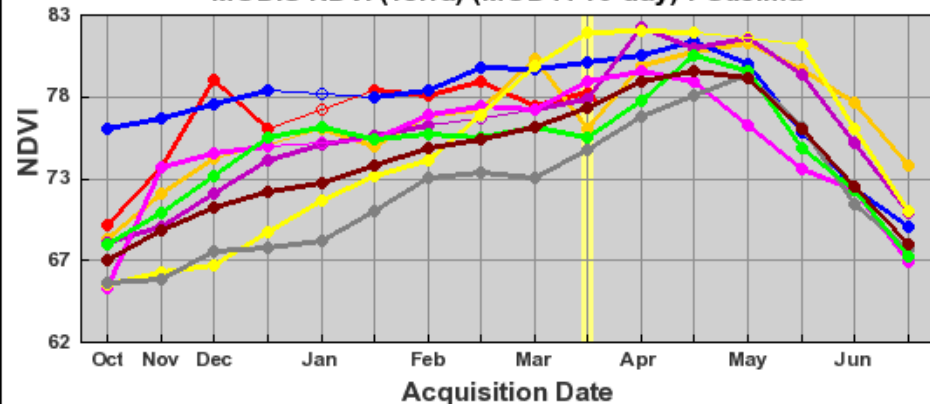
MODIS NDVI (Terra) (MOD44 16-day) : El Tarf



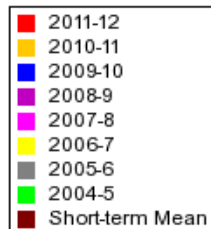
Source: USDA/NASA/UMD GLAM project
Region: Africa, North
Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
Shape: Algeria - El Tarf
Detail Point: 36.96646 7.58794
Watermark: Standard (MOD12)



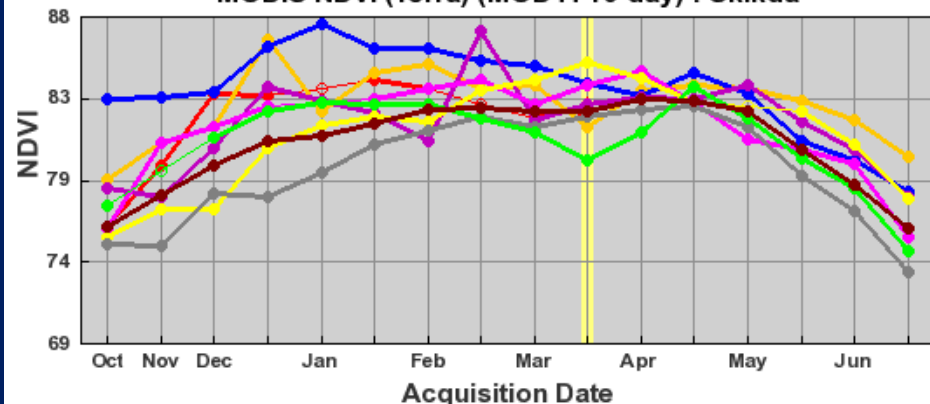
MODIS NDVI (Terra) (MOD44 16-day) : Guelma



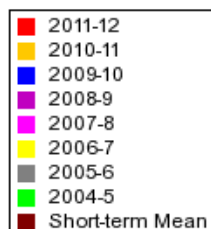
Source: USDA/NASA/UMD GLAM project
Region: Africa, North
Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
Shape: Algeria - Guelma
Detail Point: 36.74287 6.90712
Watermark: Standard (MOD12)



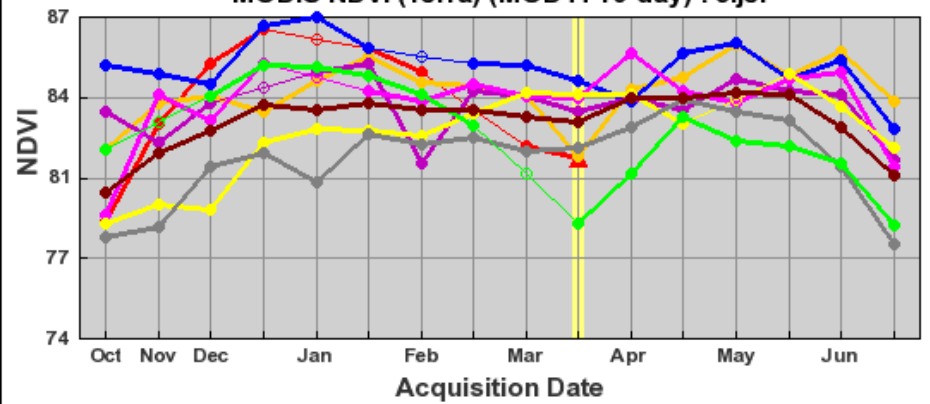
MODIS NDVI (Terra) (MOD44 16-day) : Skikda



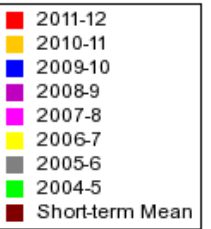
Source: USDA/NASA/UMD GLAM project
Region: Africa, North
Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
Shape: Algeria - Skikda
Detail Point: 37.09360 6.23229
Watermark: Standard (MOD12)



MODIS NDVI (Terra) (MOD44 16-day) : Jijel

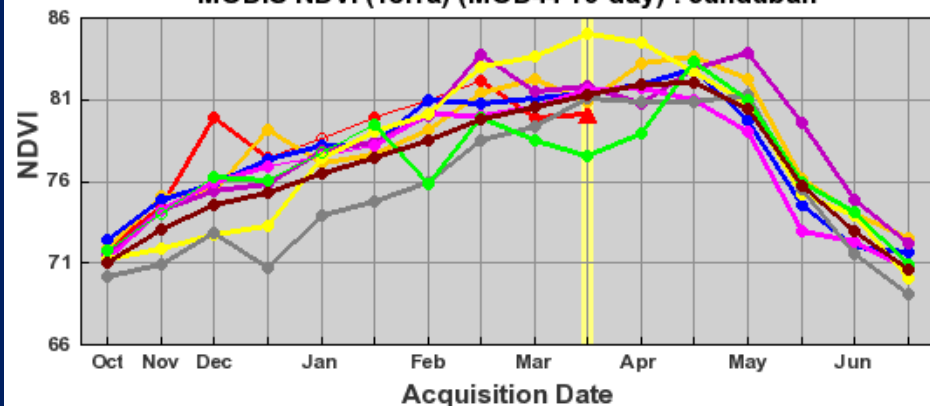


Source: USDA/NASA/UMD GLAM project
Region: Africa, North
Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
Shape: Algeria - Jijel
Detail Point: 36.91599 5.43486
Watermark: Standard (MOD12)

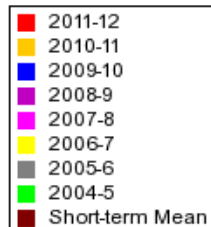


Northern Tunisia: 2011/12 NDVI Depicts Good Crop Conditions

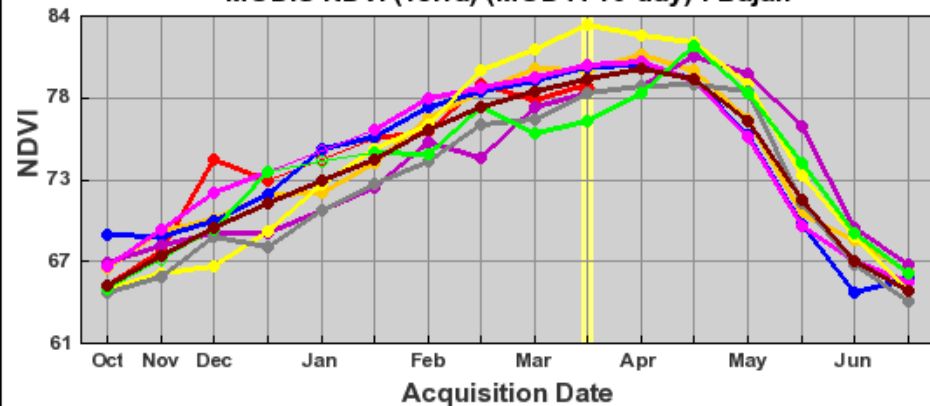
MODIS NDVI (Terra) (MOD44 16-day) : Jundubah



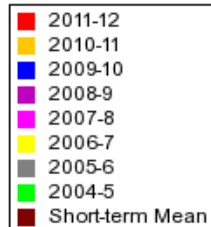
Source: USDA/NASA/UMD GLAM project
Region: Africa, North
Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
Shape: Tunisia - Jundubah
Detail Point: 37.02166 8.17992
Watermask: Standard (MOD12)



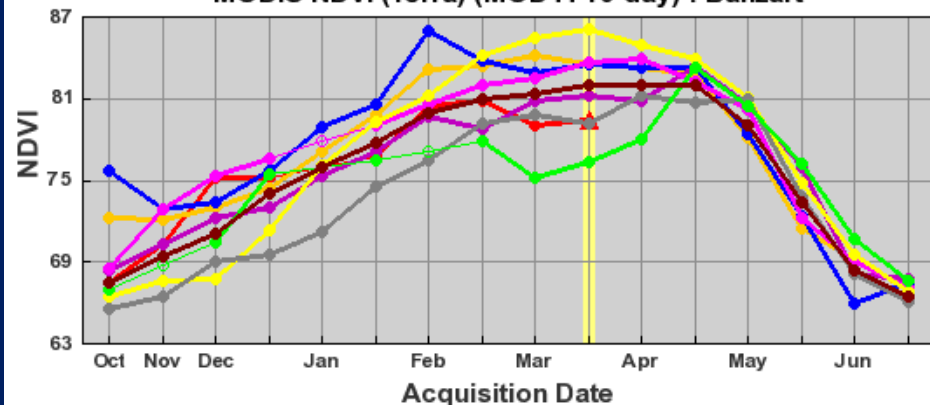
MODIS NDVI (Terra) (MOD44 16-day) : Bajah



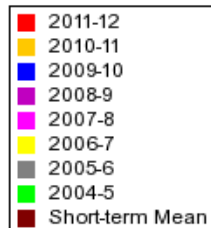
Source: USDA/NASA/UMD GLAM project
Region: Africa, North
Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
Shape: Tunisia - Bajah
Detail Point: 37.16555 8.89664
Watermask: Standard (MOD12)



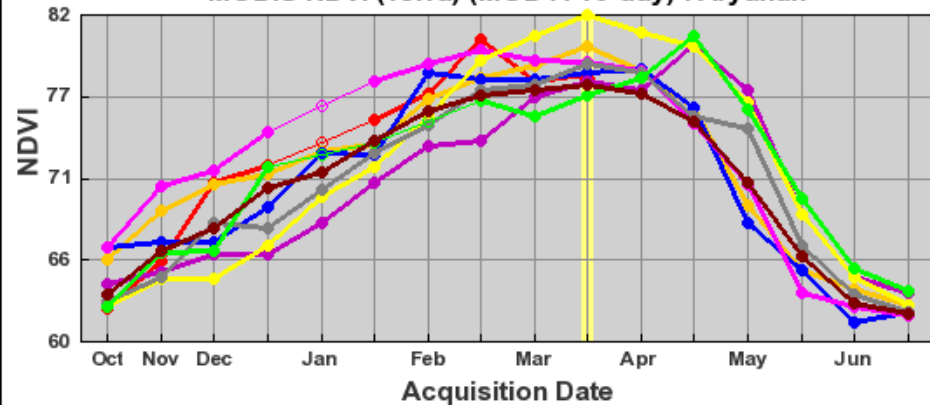
MODIS NDVI (Terra) (MOD44 16-day) : Banzart



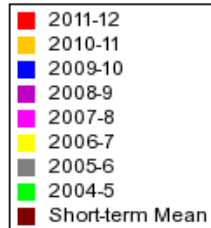
Source: USDA/NASA/UMD GLAM project
Region: Africa, North
Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
Shape: Tunisia - Banzart
Detail Point: 37.54101 8.89484
Watermask: Standard (MOD12)



MODIS NDVI (Terra) (MOD44 16-day) : Aryanah

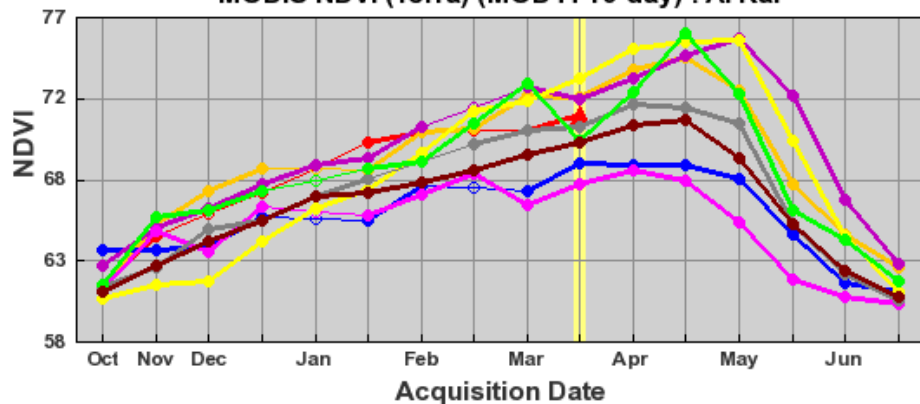


Source: USDA/NASA/UMD GLAM project
Region: Africa, North
Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
Shape: Tunisia - Aryanah
Detail Point: 37.12957 9.55334
Watermask: Standard (MOD12)

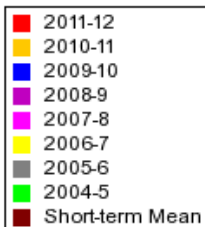


Southern Tunisia: 2011/12 NDVI Depicts Good Crop Conditions

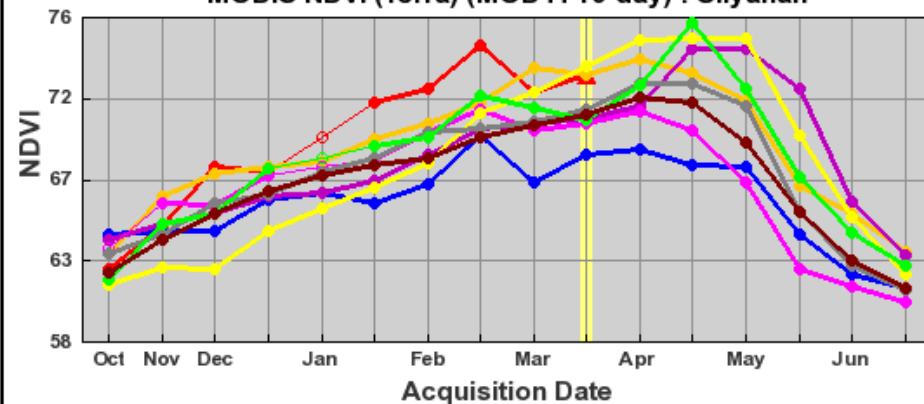
MODIS NDVI (Terra) (MOD44 16-day) : Al Kaf



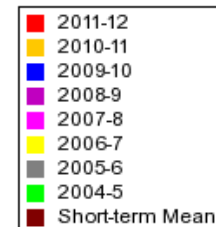
Source: USDA/NASA/UMD GLAM project
Region: Africa, North
Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
Shape: Tunisia - Al Kaf
Detail Point: 36.43935 8.26084
Watermask: Standard (MOD12)



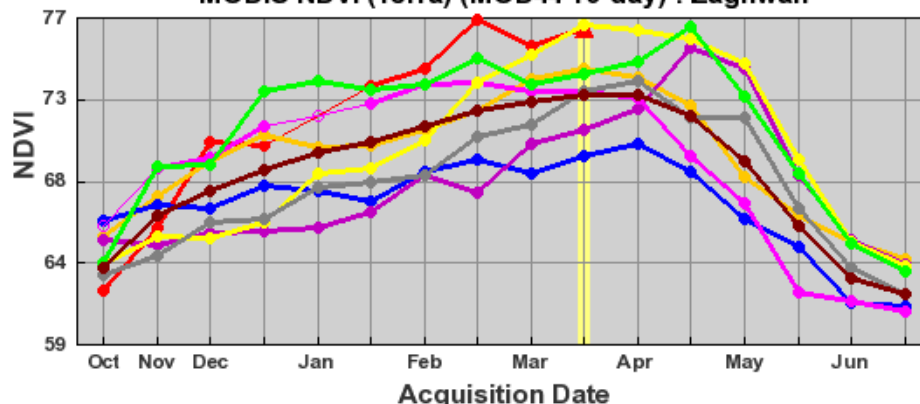
MODIS NDVI (Terra) (MOD44 16-day) : Silyanah



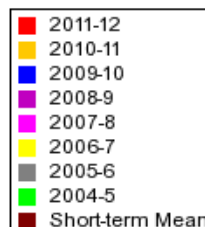
Source: USDA/NASA/UMD GLAM project
Region: Africa, North
Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
Shape: Tunisia - Silyanah
Detail Point: 36.45733 8.91782
Watermask: Standard (MOD12)



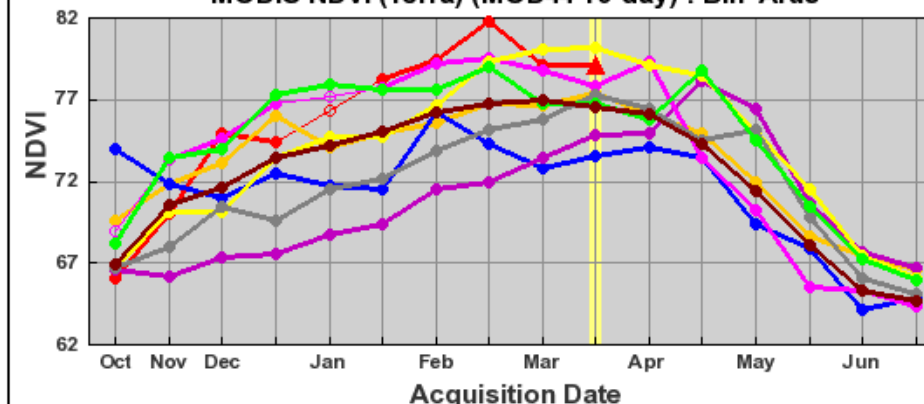
MODIS NDVI (Terra) (MOD44 16-day) : Zaghwane



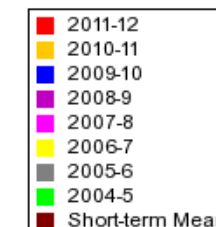
Source: USDA/NASA/UMD GLAM project
Region: Africa, North
Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
Shape: Tunisia - Zaghwane
Detail Point: 36.65293 9.56792
Watermask: Standard (MOD12)



MODIS NDVI (Terra) (MOD44 16-day) : Bin 'Arus

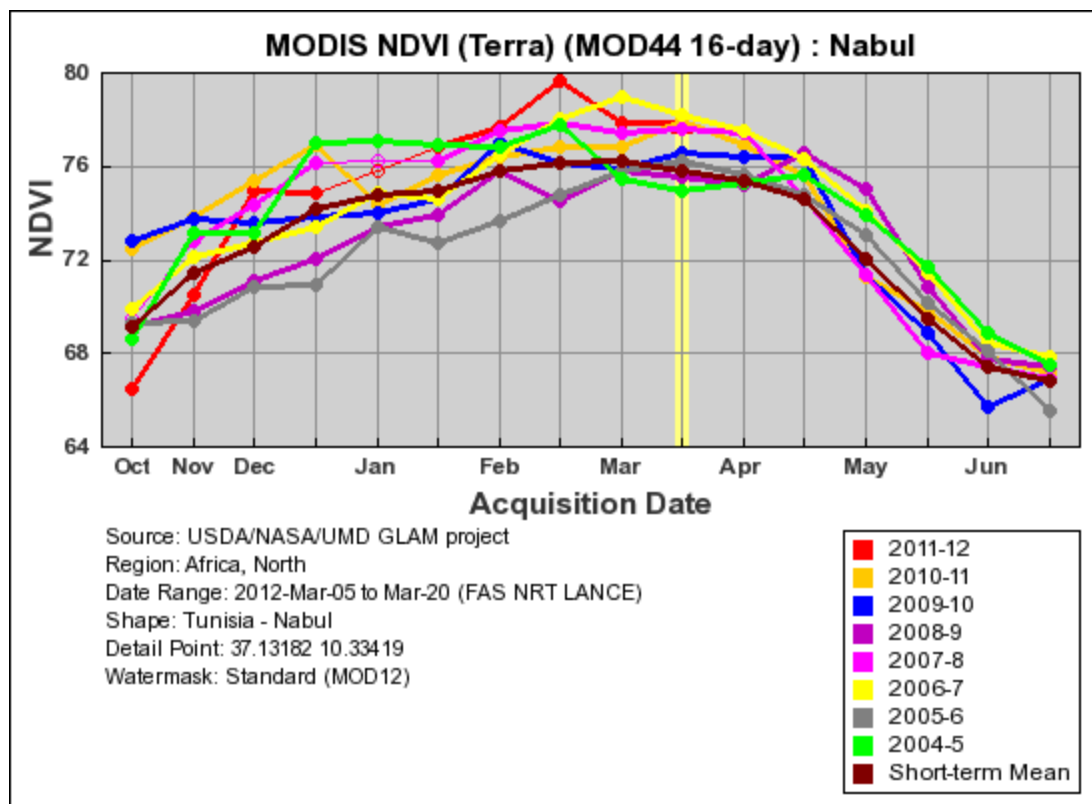


Source: USDA/NASA/UMD GLAM project
Region: Africa, North
Date Range: 2012-Mar-05 to Mar-20 (FAS NRT LANCE)
Shape: Tunisia - Bin 'Arus
Detail Point: 36.78783 9.97069
Watermask: Standard (MOD12)



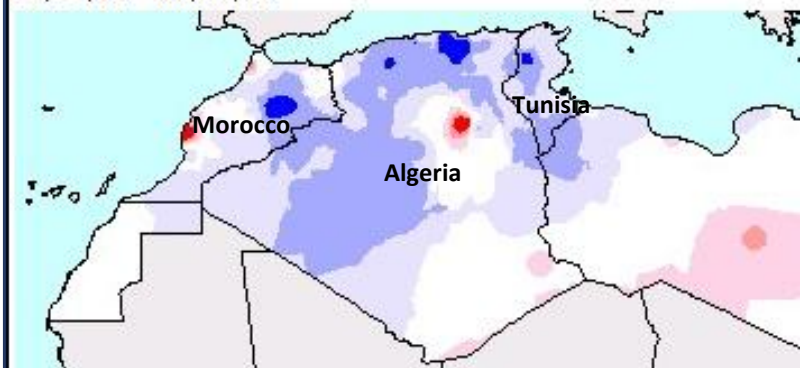
2011/12 NDVI Depicts Good Crop Conditions

Southern Tunisia



WMO Average Temperature Departure From Normal

02/11/12 - 02/20/12

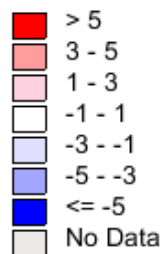


WMO Average Temperature Departure From Normal

02/01/12 - 02/10/12



Temperature Departure
(Celsius)

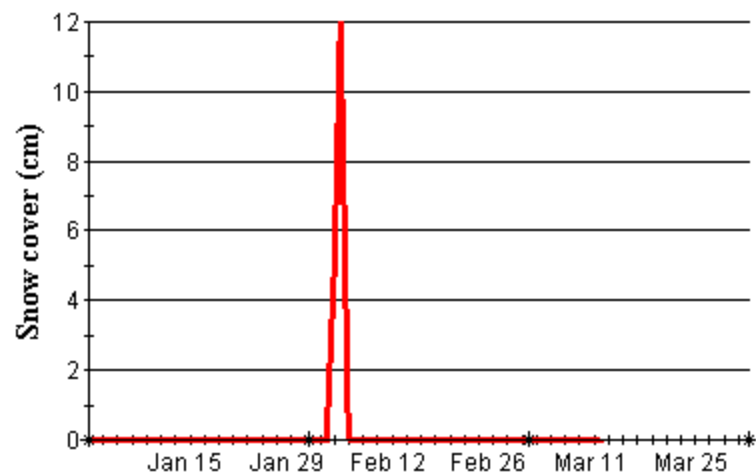


An Unusually Cold February in Northwest Africa

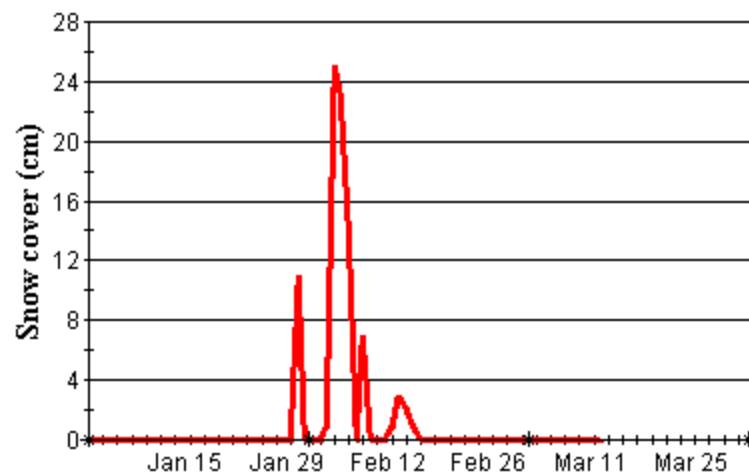
Cold winter temperatures have delayed crop progress and may have reduced yield potential. It is feared that head size, kernel size, and number of kernels may be reduced due to the unusual cold.

Rare Snow in Algeria

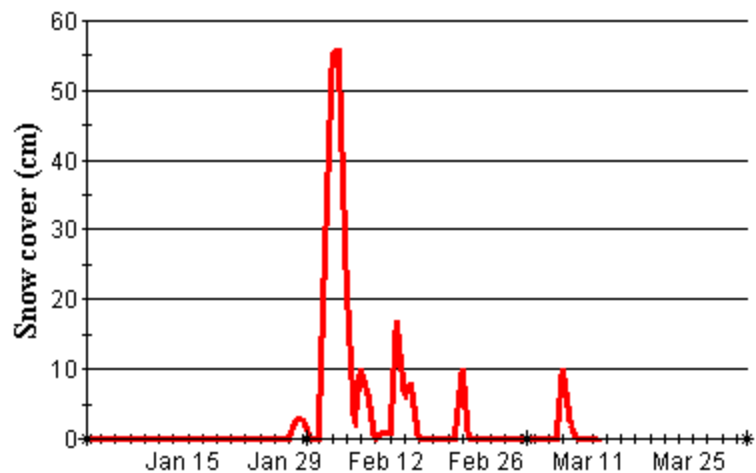
STATION:60425 CHLEF



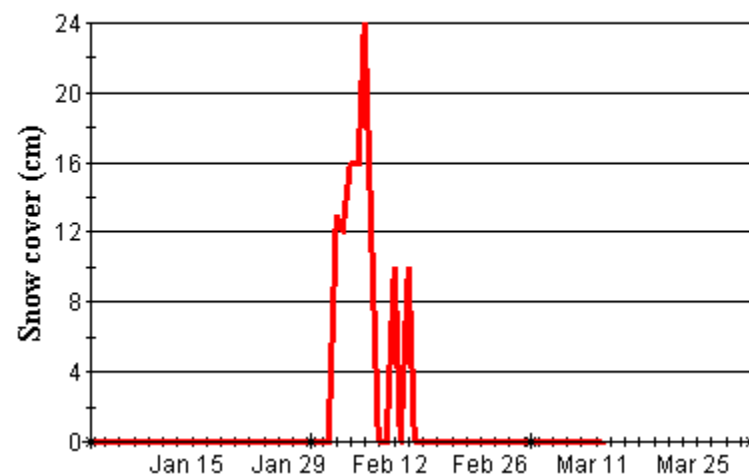
STATION:60430 MILIANA



STATION:60437 MEDEA

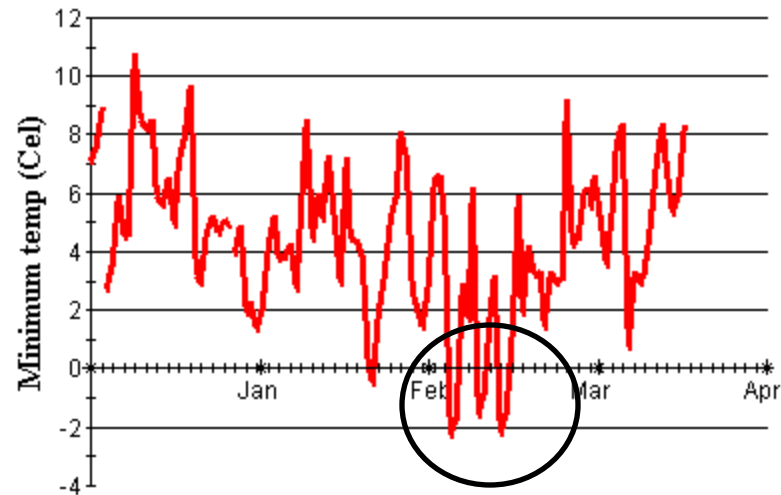


STATION:60423 SOUK_AHRAS

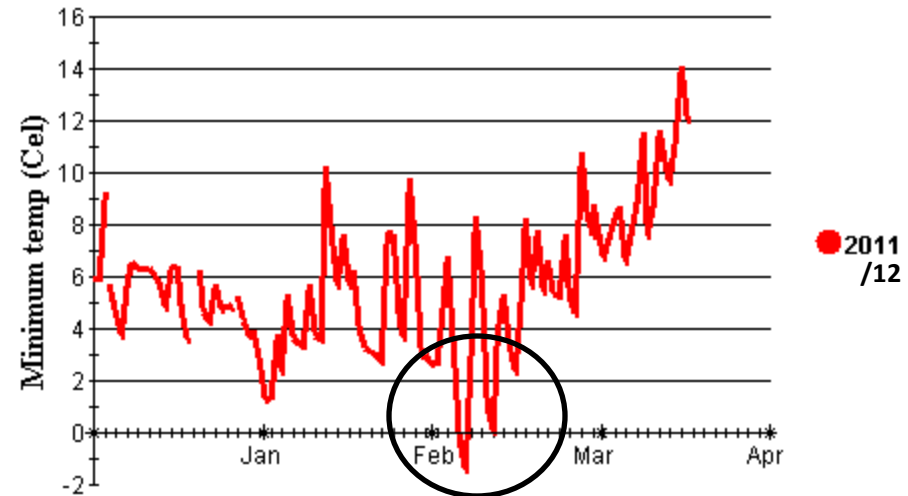


Morocco Minimum Temperatures

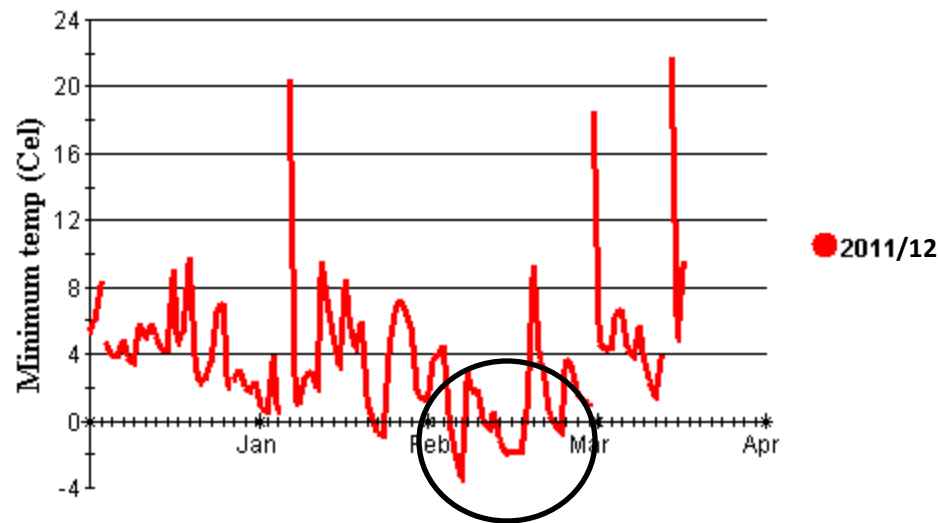
STATION:60150 MEKNES



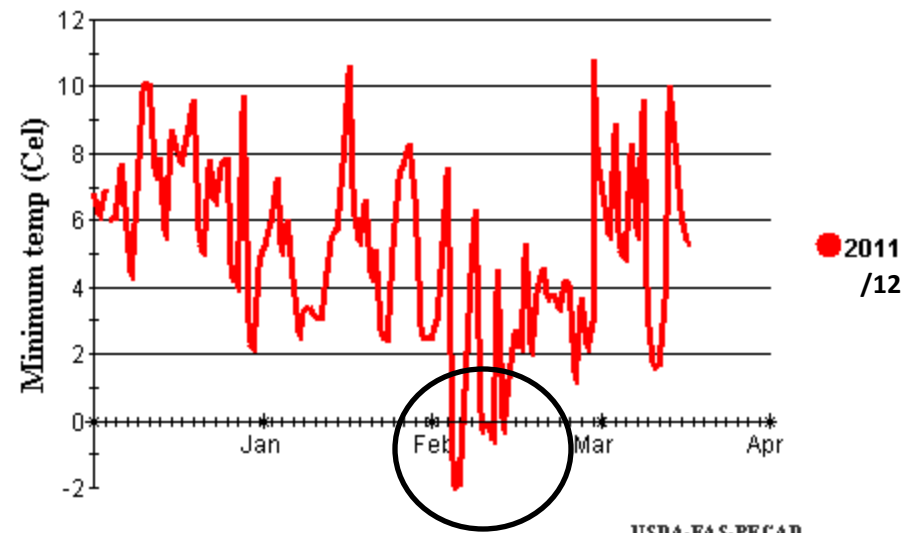
STATION:60230 MARRAKECH



STATION:60156 NOUASSEUR/CASABLANC



STATION:60135 RABAT-SALE

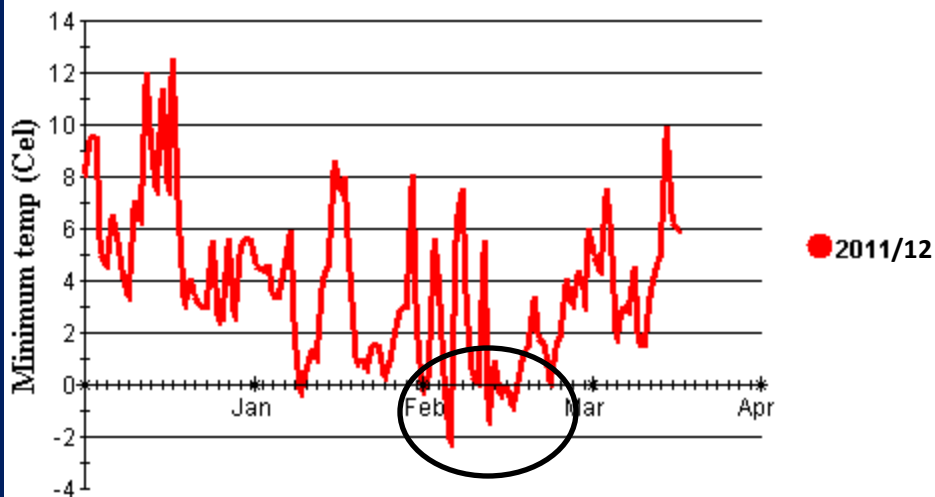


USDA-FAS-PECAD

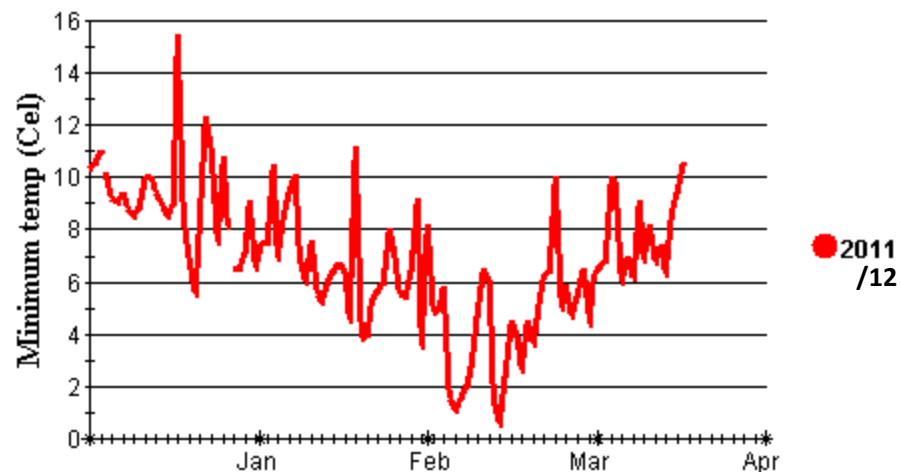
USDA-FAS-PECAD

Algeria Minimum Temperatures

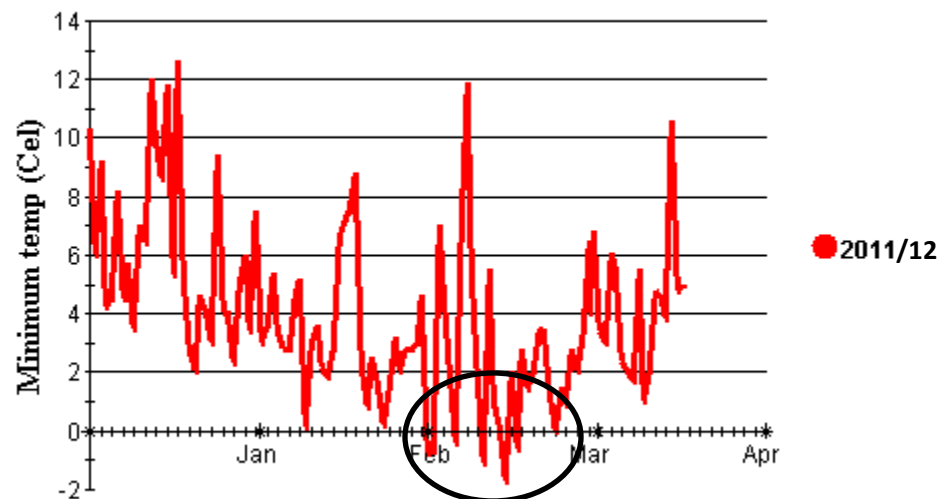
STATION:60492 RELIZANE



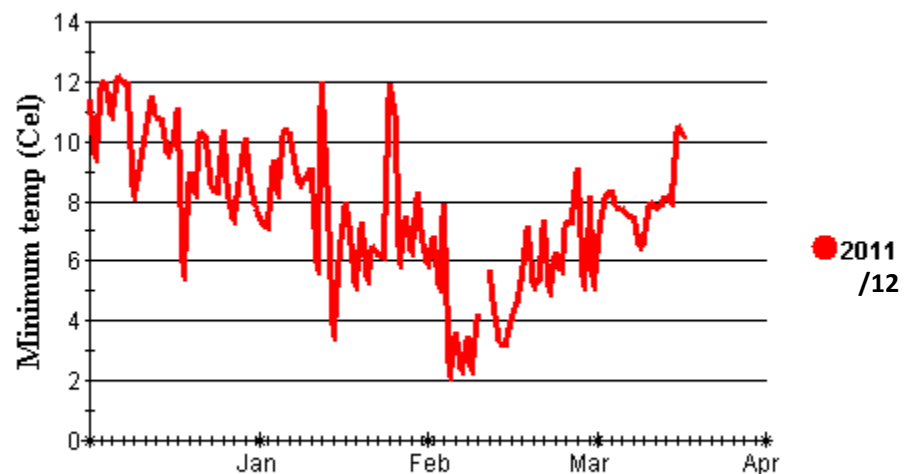
STATION:60402 BEJAIA



STATION:60457 MOSTAGANEM

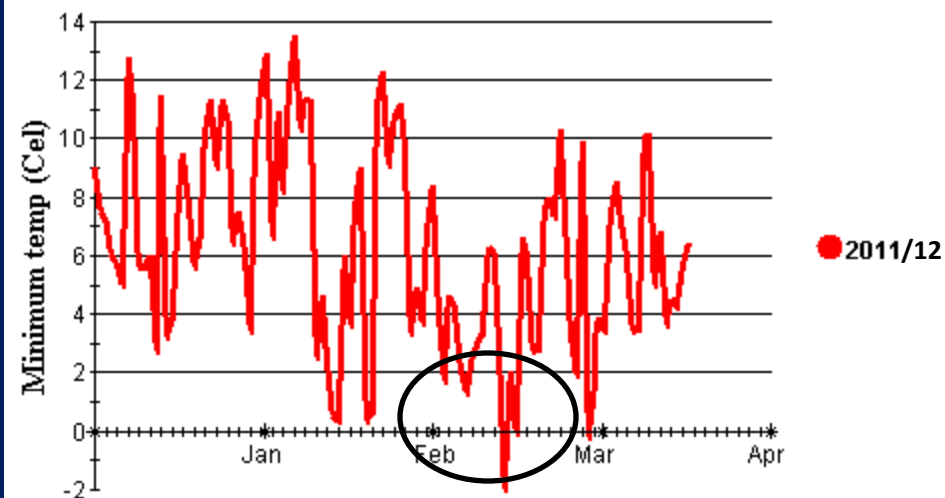


STATION:60367 EL-KALA

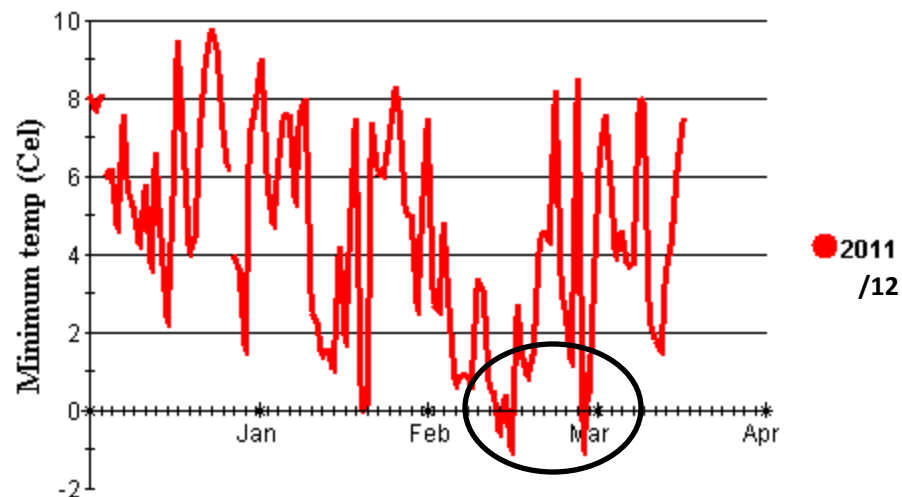


Tunisia Minimum Temperatures

STATION:60723 BEJA

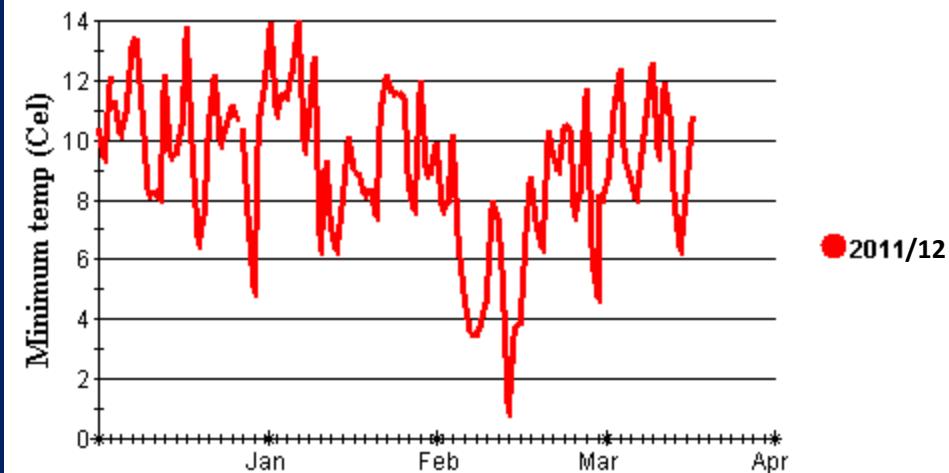


STATION:60734 SILIANA



USDA-FAS-PECAD

STATION:60715 TUNIS-CARTHAGE



USDA-FAS-PECAD