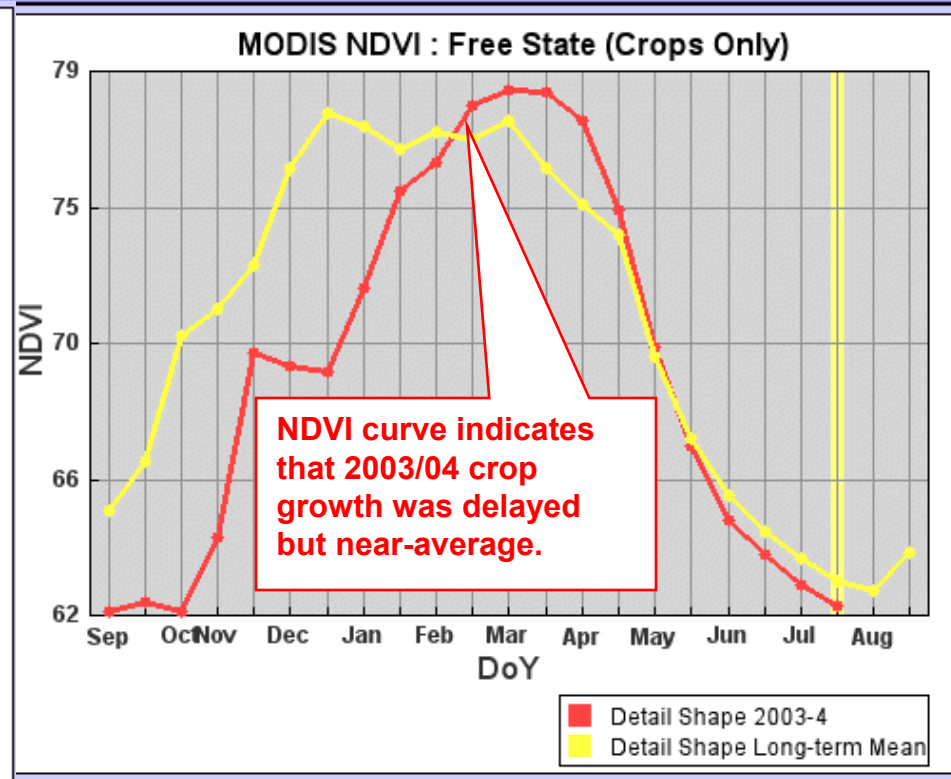
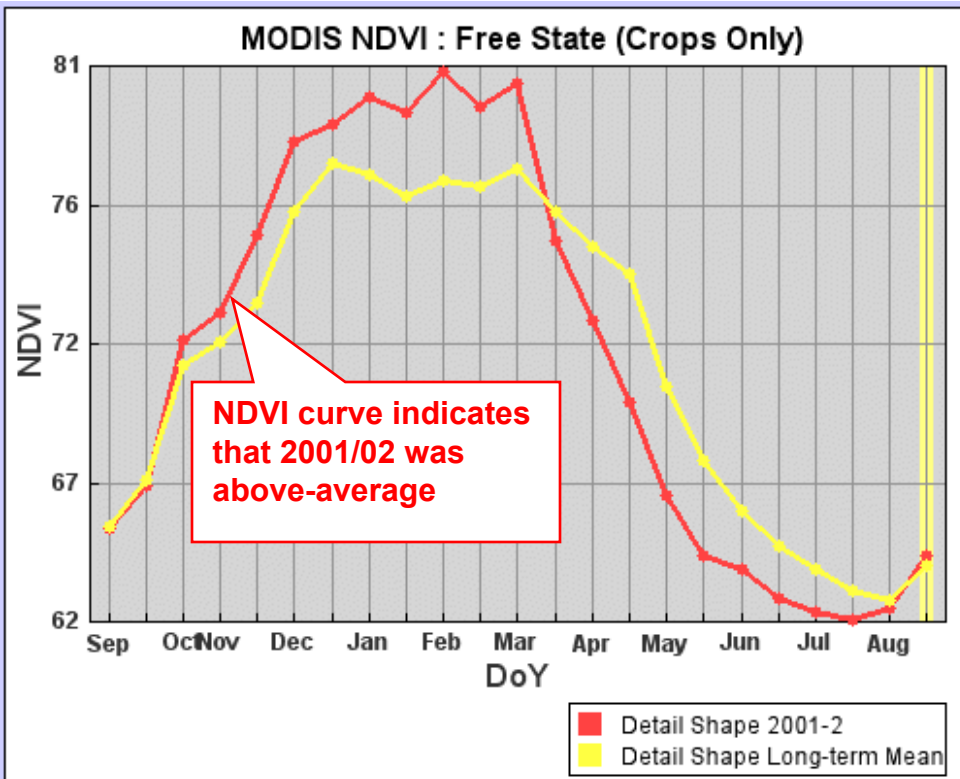


# Free State: NDVI/MODIS Time Series Analysis



Free State	Production (tons)	Area (ha)	Yield (tons/ha)	CEC Ranking	NDVI/MODIS Graphs (250m cropland pixels)	Recommendation
3-year Avg (2000-2003)			2.97			
1999/2000	3862500	1200000	3.22			
2000/2001	2596000	975000	2.66			
2001/2002	3217000	1066000	3.02			
2002/2003	3336500	1115000	2.99			
2003/2004	2759000	930000	2.97	Average	Average	OK

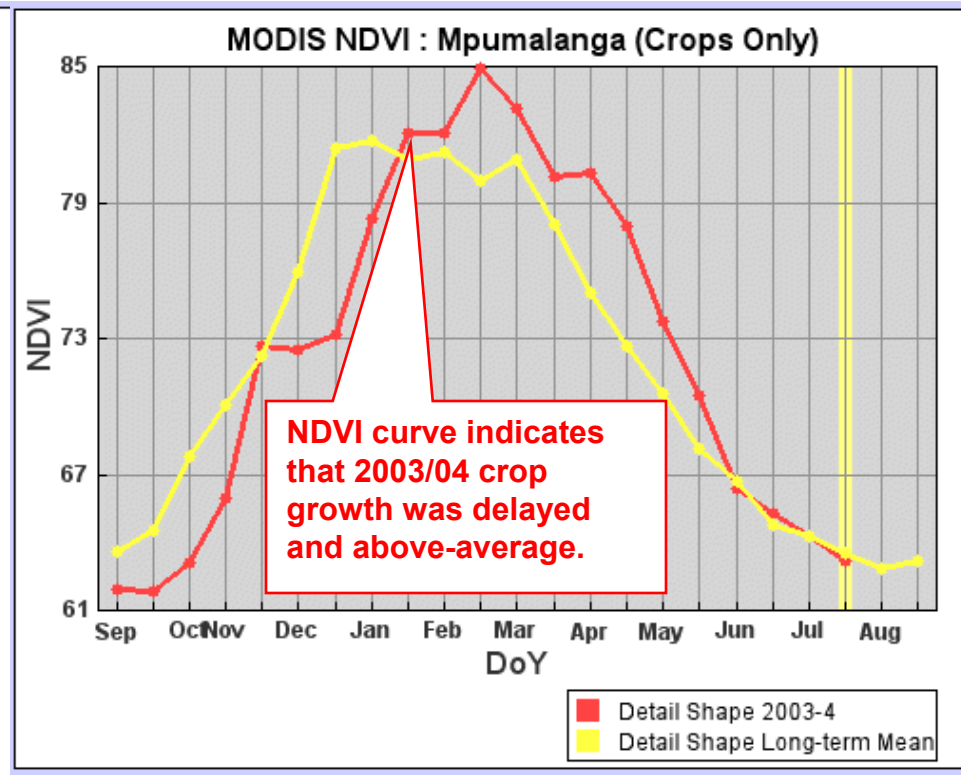
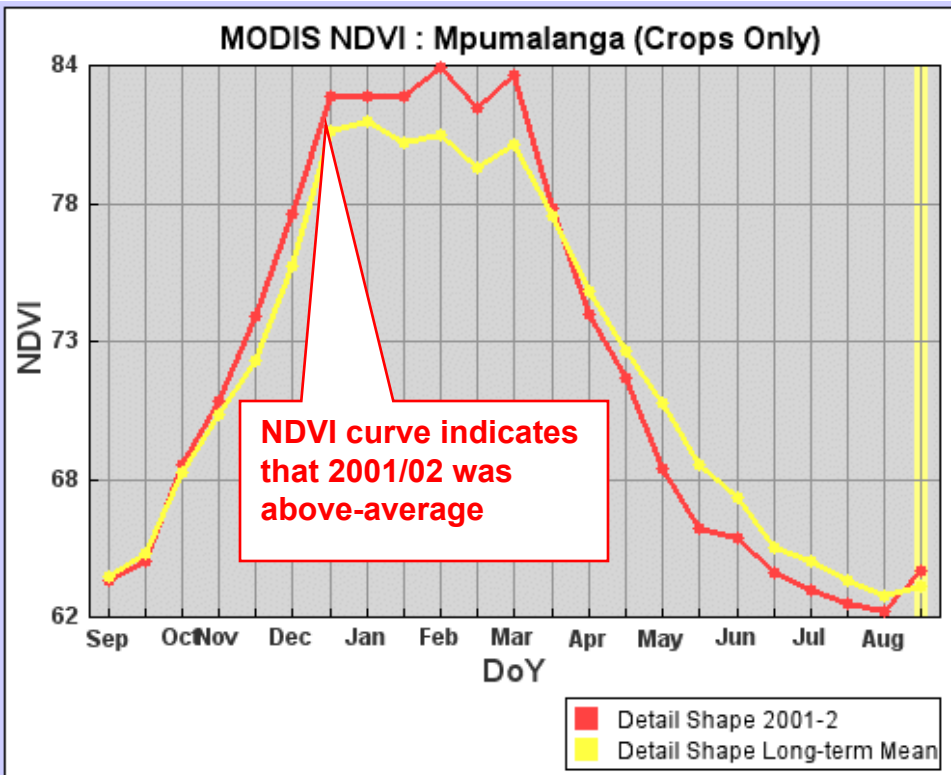
Data Sources:

Production and Area Estimates from CEC at <http://www.sagis.org.za/>

NDVI/MODIS Time Series Graphs from <http://pekko.geog.umd.edu/usda/demo1/index.php>



# Mpumalanga: NDVI/MODIS Time Series Analysis



Mpumalanga	Production (tons)	Area (ha)	Yield (tons/ha)	CEC Ranking	NDVI/MODIS Graphs (250m cropland pixels)	Recommendation
3-year Avg (2000-2003)	1805733	542000	3.33			
1999/2000	2176500	600000	3.63			
2000/2001	1467200	524000	2.8			
2001/2002	2067500	542000	3.81	Bumper		
2002/2003	1882500	560000	3.36			
2003/2004	2065000	510000	4.05	Above bumper	Near average & below bumper	Increase CEC area to reduce relative yield

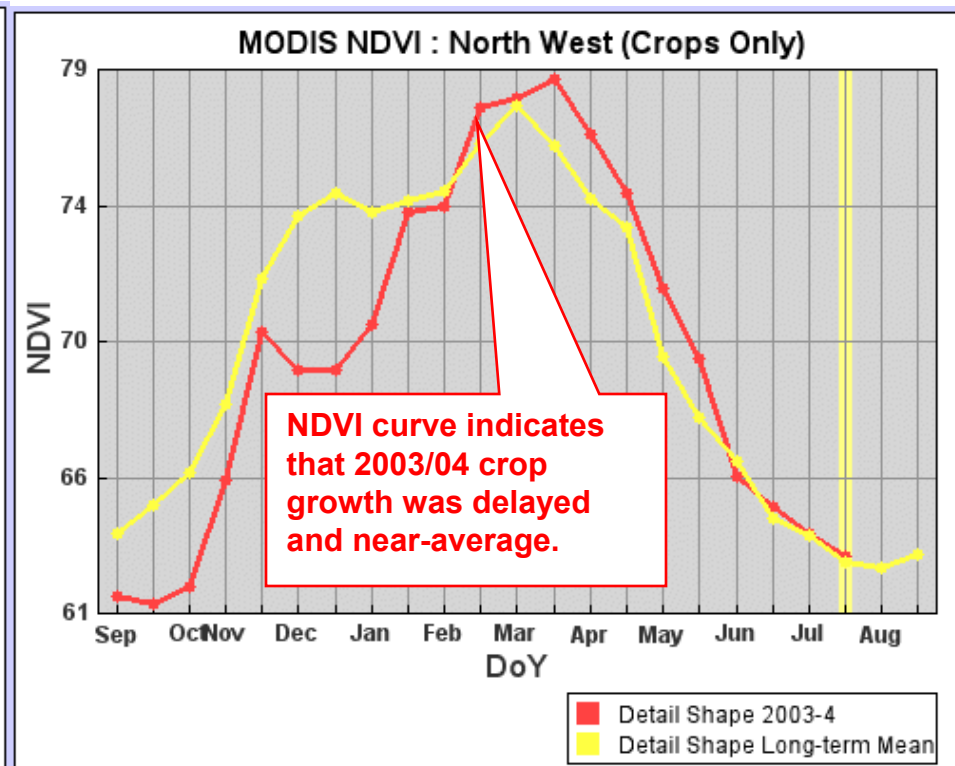
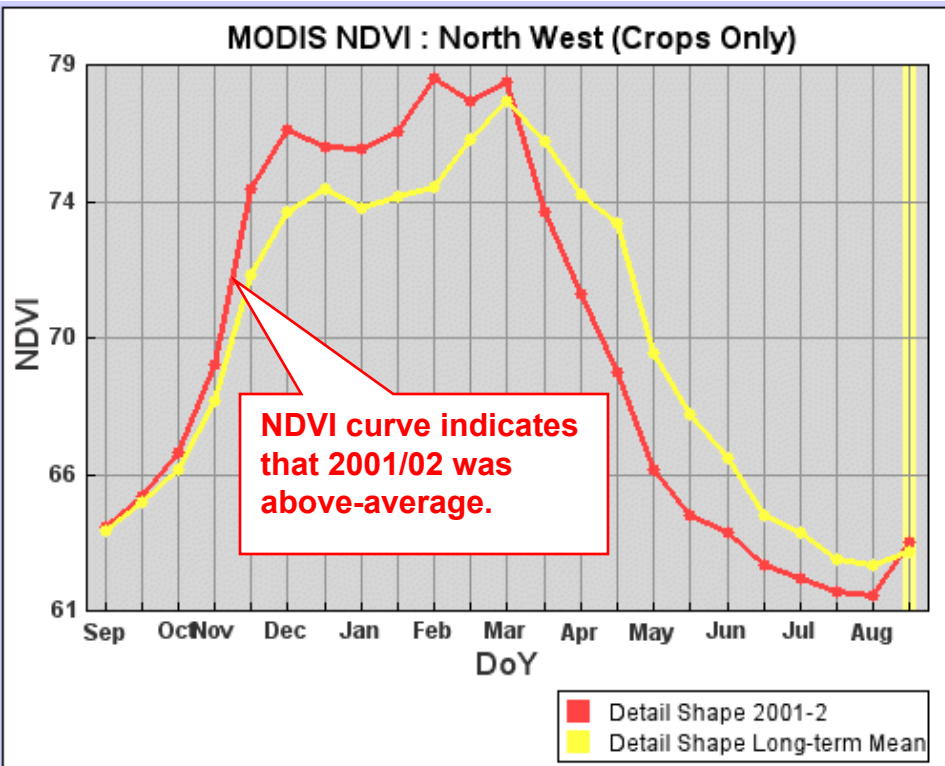
Data Sources:

Production and Area Estimates from CEC at <http://www.sagis.org.za/>

NDVI/MODIS Time Series Graphs from <http://pekko.geog.umd.edu/usda/demo1/index.php>



# Northwest: NDVI/MODIS Time Series Analysis



Northwest	Production (tons)	Area (ha)	Yield (tons/ha)	CEC Ranking	NDVI/MODIS Graphs (250m cropland pixels)	Recommendation
3-year Avg (2000-2003)			2.43			
1999/2000	2990000	1150000	2.6			
2000/2001	2133000	940000	2.27			
2001/2002	2885250	1092000	2.64	Bumper		
2002/2003	2601000	1170000	2.22			
2003/2004	2461250	925000	2.66	Above bumper	Near average & below bumper	Increase CEC area to reduce relative yield

Data Sources:

Production and Area Estimates from CEC at <http://www.sagis.org.za/>

NDVI/MODIS Time Series Graphs from <http://pekko.geog.umd.edu/usda/demo1/index.php>



# South Africa's Commercial Corn Production by Province

## Commercial Corn Production for 2003/04

Province	Production (tons)	Area planted (ha)	Yield (tons/ha)	Three Major Provinces
Western Cape	14600	2100	6.95	
Northern Cape	475000	45500	10	
Free State	2759000	930000	2.9	2697000
Eastern Cape	83000	20000	4.15	
KwaZulu-Natal	376100	75000	5.01	
Mpumalanga	2065000	510000	3.95	2014000
Limpopo	96300	34000	2.78	
Gauteng	376000	104000	3.62	
North-West	2461250	925000	2.56	2368750
<b>Total</b>	<b>8706250</b>	<b>2645600</b>	<b>3.29</b>	<b>7079750</b>

83.5 % of commercial production  
is from the above three provinces

Data Sources:

Production and Area Estimates from CEC at <http://www.sagis.org.za/>

