



### Review of current Risk Assessments

Global Risks Scenario's, Countries at Risk, and Global Risks

FIGURE 1.1

"What is your outlook for the world over the next three years?"

Negative scenarios Positive scenario

41.8%

Consistently volatile with multiple surprises

Source: WEF, 2022

37.4%

Fractured trajectories separating relative winners and losers 10.7%

Accelerating global recovery

10.1%

Progressive tipping points with increasing catastrophic outcomes

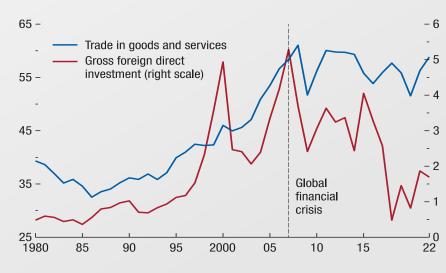
### Global growth continually adjusted lower

Prolonged inflationary pressures, impact of the war and monetary tightening

Y-o-Y % change	IMF				2023			2024		
	2019	2020	2021	2022		WB- Jan	OECD -Mar		WB	OECD
World	2.9	-3.1	6	3.4		1.7	2.6		2.7	2.9
Advanced countries	1.7	-4.5	5.2	2.7		0.5	2.6		1.6	2.9
US	2.3	-3.4	5.7	2		0.5	1.5		1.6	0.9
Euro area	1.2	-6.4	5.2	3.5		0	0.8		1.6	1.5
Japan	1	-4.5	1.7	1.4		1	1.4		0.7	1.1
China	6.1	2.3	8.1	3		4.3	-		5	-
India	4.8	-7.3	8.7	6.8		6.6	5.9		6.1	7.1
South Africa	0.2	-6.4	4.9	2.6		1.4	0.6		1.4	0.9
Nigeria	2.2	-1.8	3.6	3		2.9	-		2.9	-
Sub Saharan Africa	3.1	-1.7	4.7	3.8		3.6	-		3.9	-

**Figure 4.1. "Slowbalization"** (Percent of GDP)

Foreign direct investment sharply declined after the global financial crisis.

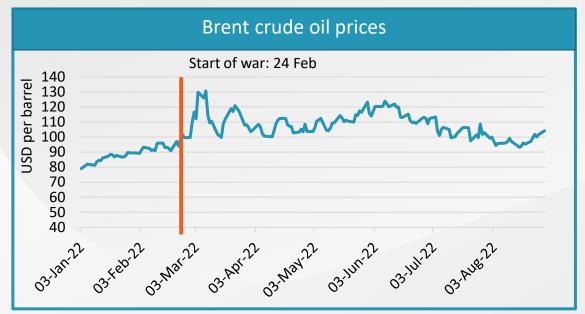


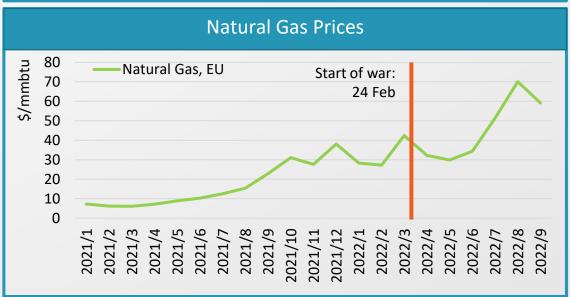
Source: IMF staff calculations.

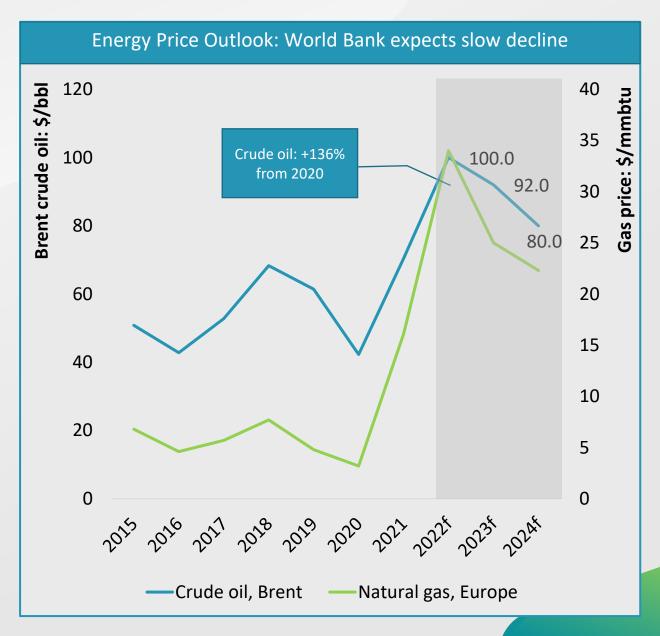
- Global growth again adjusted downward and remains well below 2021 and 2022 levels
- Persistence of inflation, although energy prices have come down in the past few months.
- Many factors are weighing on global growth prospects for 2023 including the Russian war in Ukraine, consequent inflationary challenges and responses by most central banks of rising interest rates to control inflation
- At the same time, China's reopening after 3 years of COVID-19 related restrictions have paved the way for a faster than initially expected recovery in China, which will support global prospects to some extent

### Energy prices have peaked and trending downwards



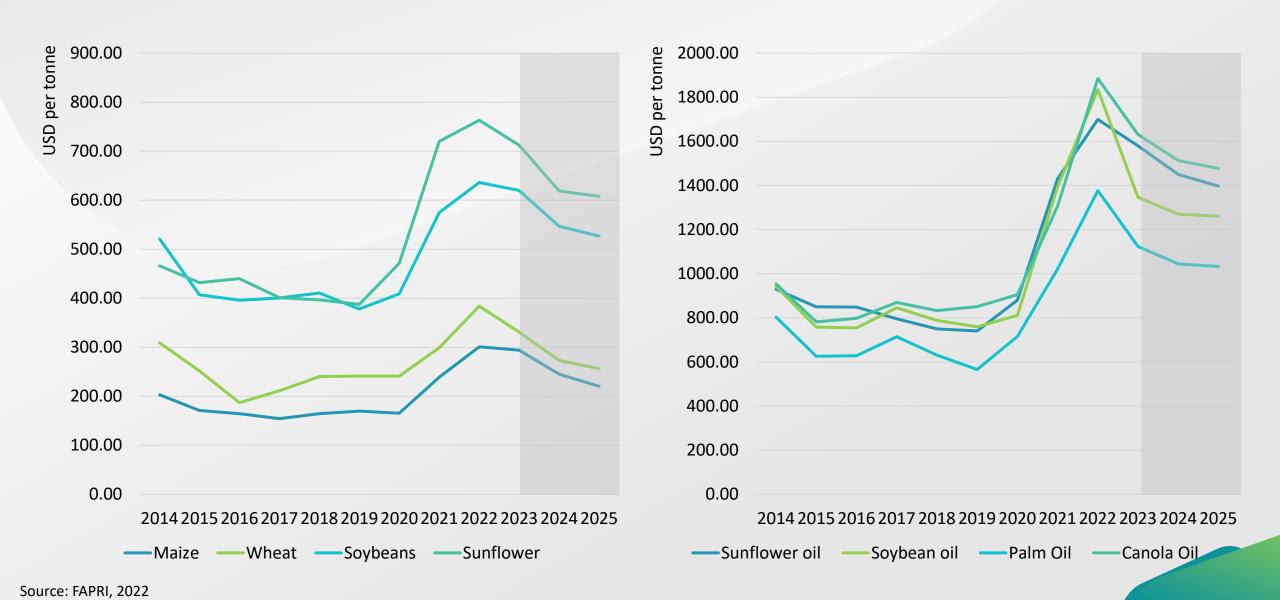






Source: BFAP compiled from World Bank, 2022

### Global agricultural markets are trending downwards



#### Global fertiliser trade

Top 10 countries that trade in fertiliser





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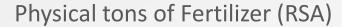


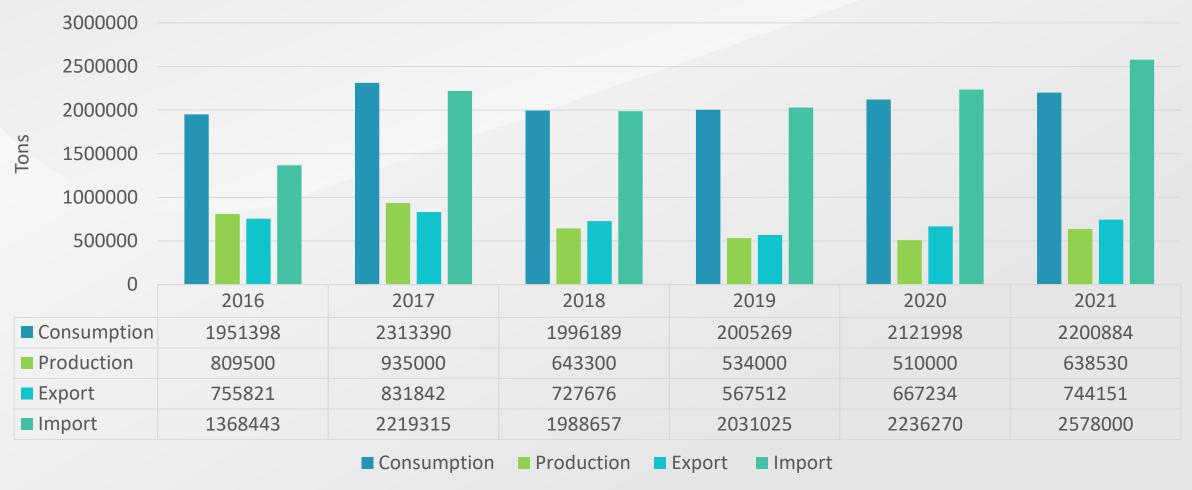
- Russia exports
  14,1% of total
  global fertiliser
  followed by
  China with
  12,5%
- Brazil Imports
   13,9% of global
   fertiliser
   followed by
   India with
   10,1%
- USA is a net importer of fertiliser with a value of \$3,78 Billion

## SA is highly dependent on fertilizer imports.



Approx 25% is produced locally (N, P, but no K)



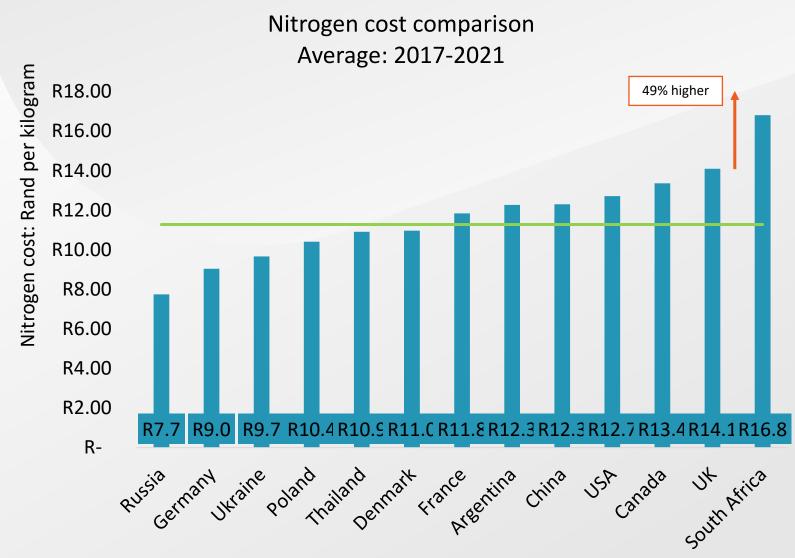


Source: Fertasa, 2022

### Global nitrogen cost competitiveness



## South African farms pay roughly 49% more compared to international sample space of 12 countries



#### Approach:

- Compared cost of nitrogen in 13 countries, including South Africa
- N-cost per kilogram = Total nitrogen (nutrient equivalent) cost per hectare divided by nitrogen applied
- Average calculated across crops: Maize, soybeans, wheat, barley, sunflower, oats, canola, linseed, lentils, potatoes, sugar beet and rice

#### Findings:

- Over the period between 2017 to 2021, South Africa indicated the highest cost of nitrogen = R16.80/kg
  - Eastern Free State = lowest
  - Northern / Western Free State = highest
  - On average, South African farms paid 49% more for nitrogen compared to the international sample average
- Lowest cost observed in Russia followed by Germany and Ukraine (below R10/kg)

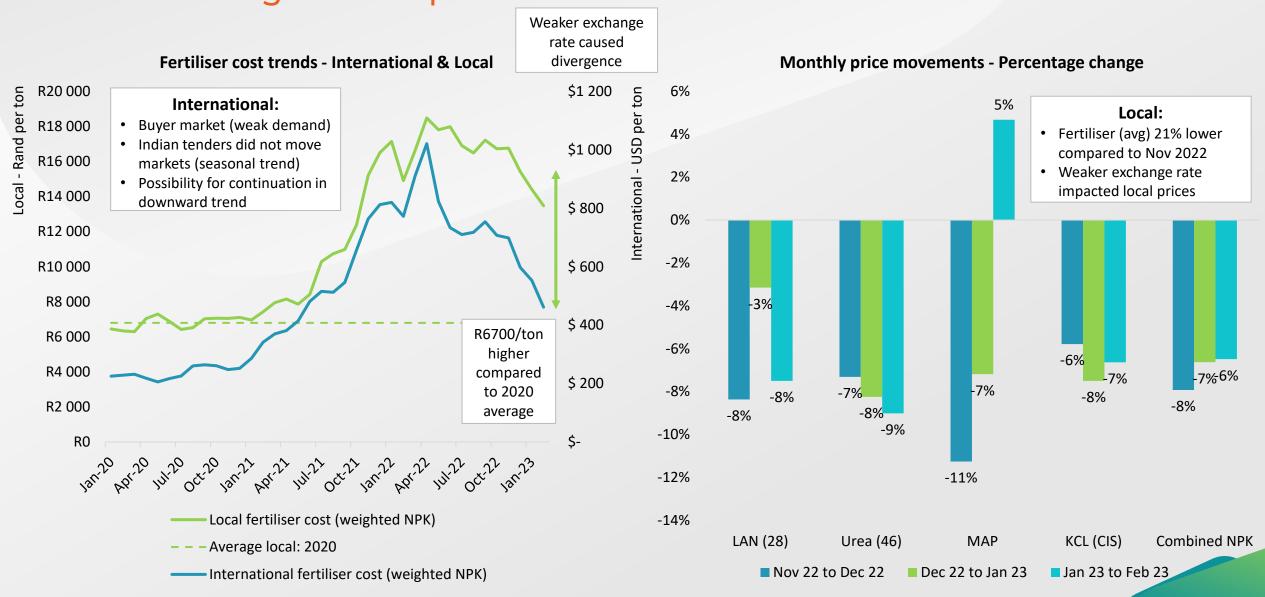
#### #ertilizers: Both international and local prices continued

### downward trend

Source: Grain SA & BFAP, 2023

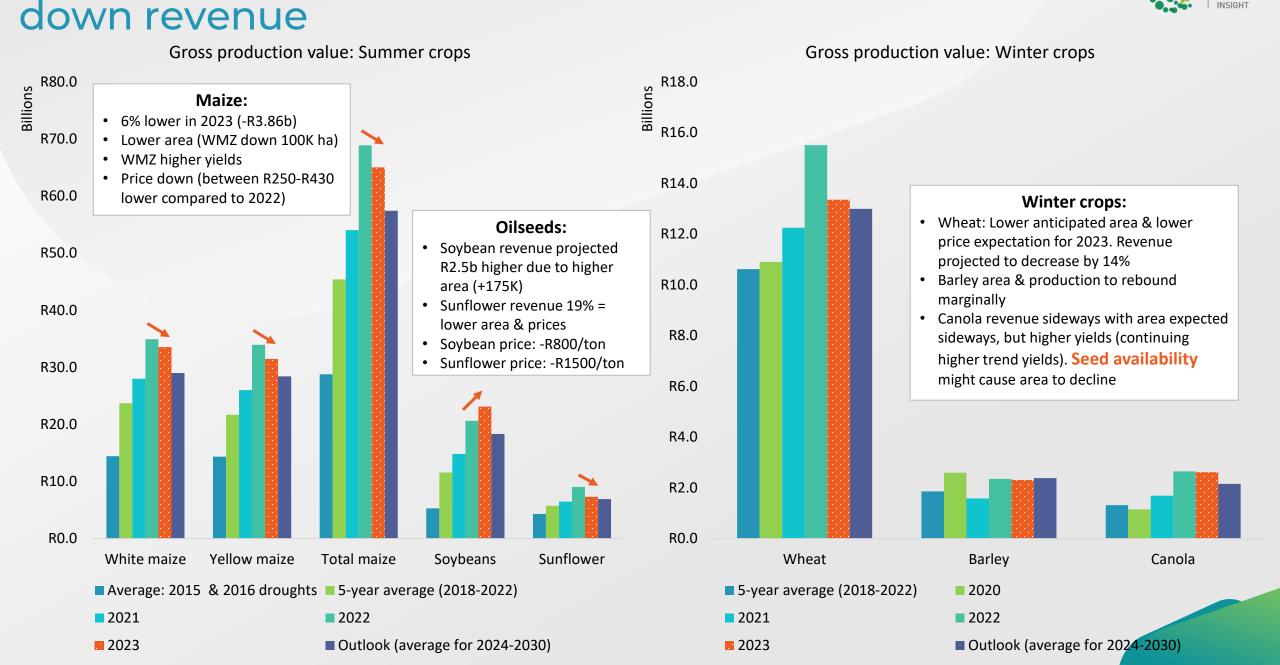


#### Weaker exchange rate impacts local costs



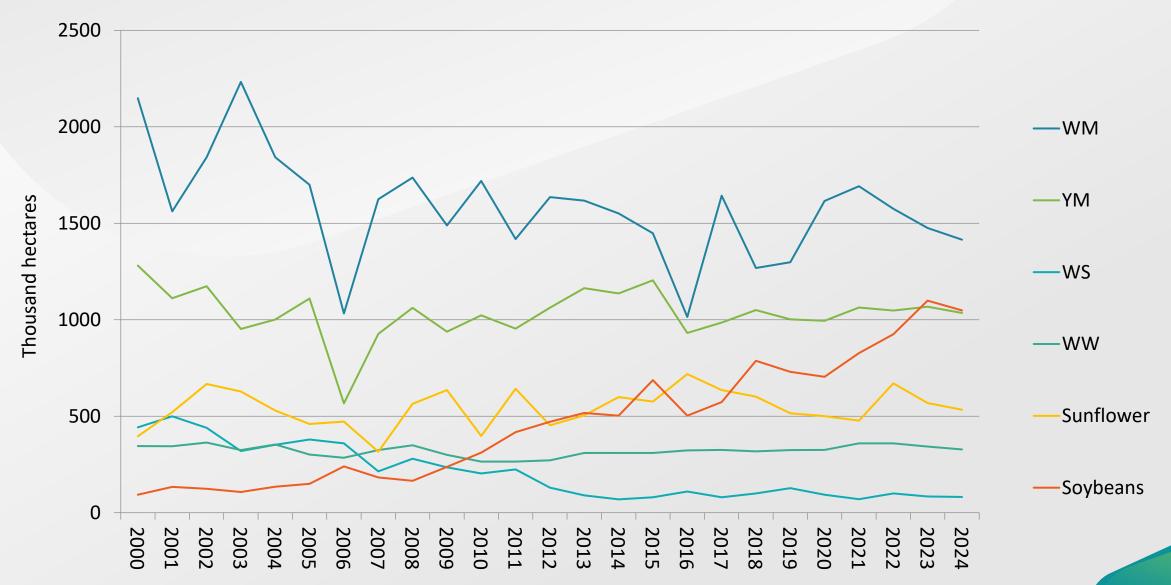
### Gross Production Value: Lower projected prices to drive





# Total summer area increased over past 5 years, but projected to decline marginally in near future

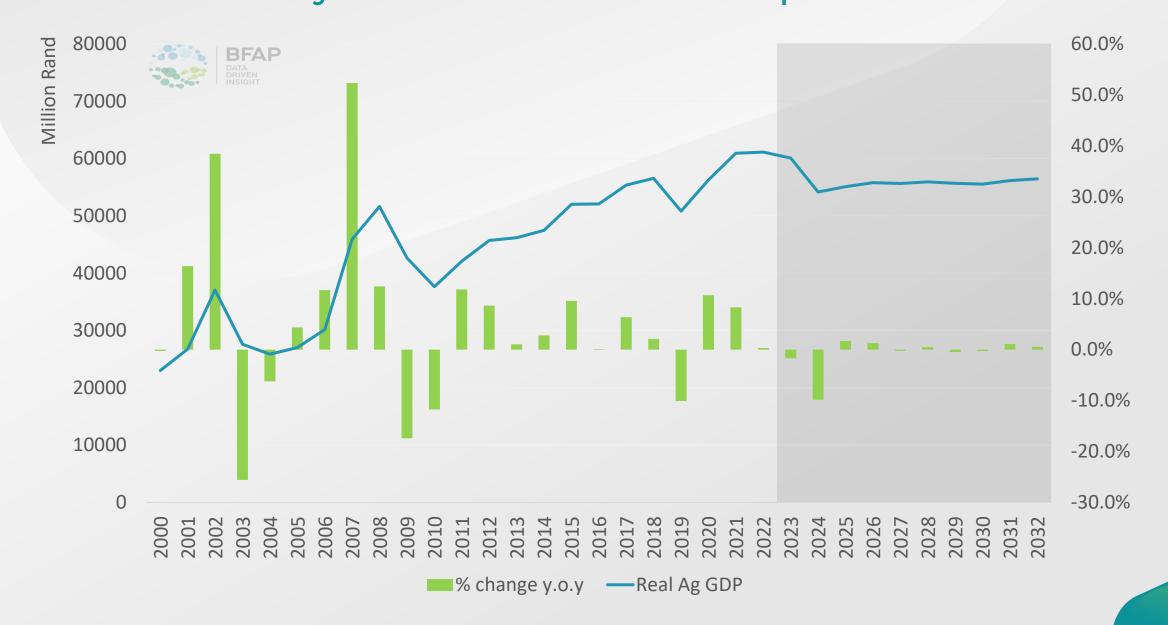






# Agriculture has been a top performer in SA economy - but uncertainty abounds & slowdown expected







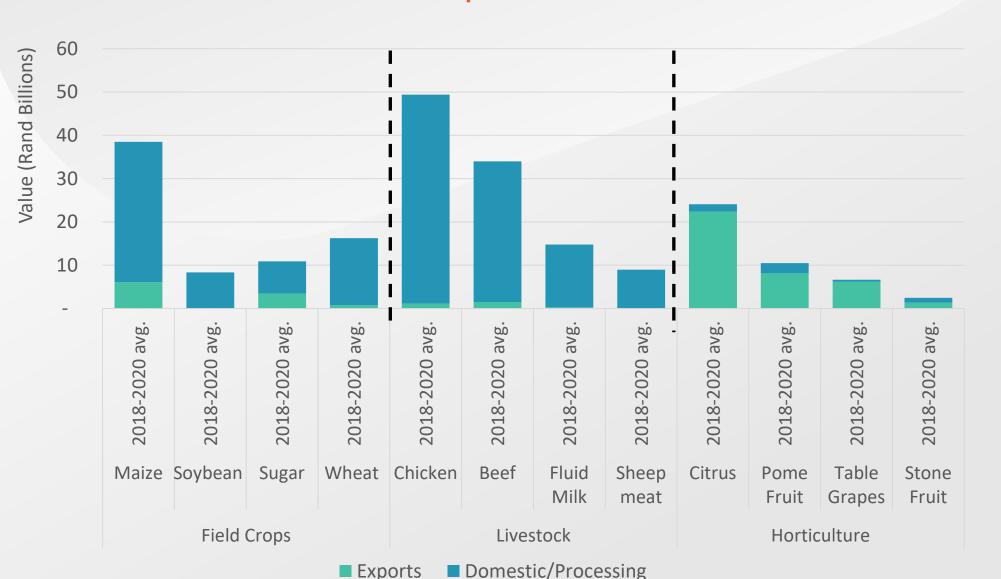
Identifying opportunities amidst imminent risks & inefficiencies



# The Markets: Critical to ensure sustainability Combination of local, regional & global markets necessary



Combination of local, regional & global markets necessary to create the "demand pull

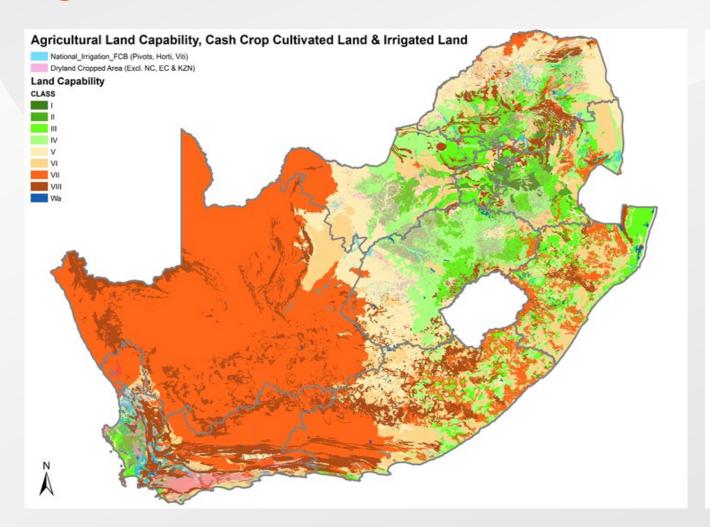


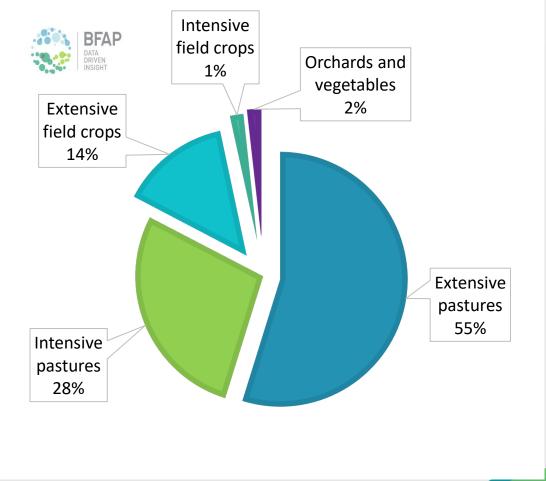
- Growing role for exports in beef sector, key factor supporting prices through 2020 & 2021
- Livestock & Field Crop sectors predominantly reliant on domestic markets
- Fruit sectors very much export orientated





SA is semi-arid country with weak resource base of agriculture – regular climate volatilities





### The farmers: SA has diverse farming systems



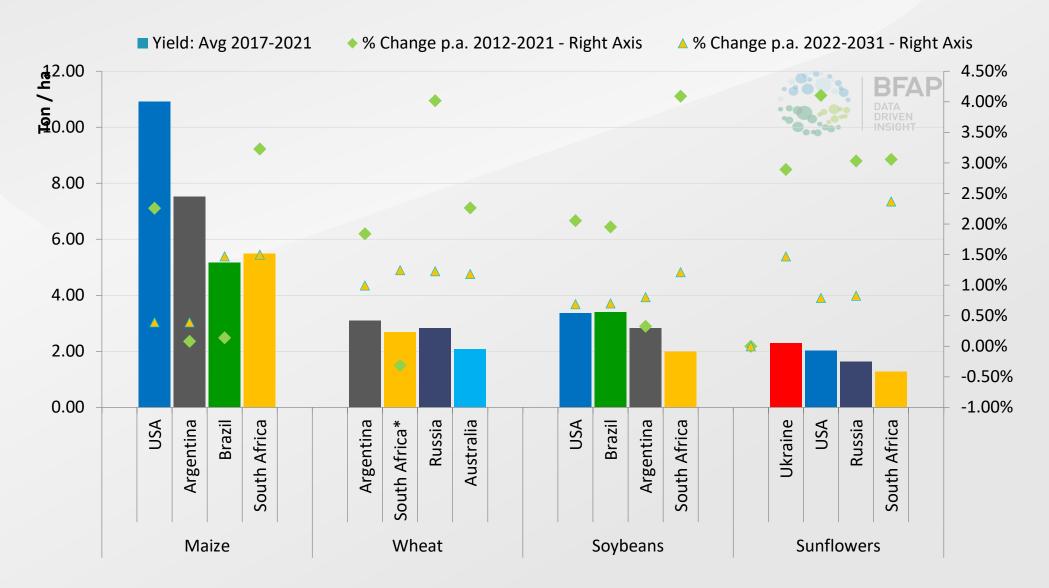
# Large-scale: targeting global markets & growing urbanization Small-scale: strength on shorter chains

	Со	Smallholder				
Number of farms and households	Large (R22.5 million)	Medium-Small (R2.25 million - R22.5 million)	Micro (=R2.25 million)	Total		HH's
Field Crops	387	2 474	5 698	8 559	162 583	975 776
Mixed farms	812	4 409	7 237	12 458		
Horticulture	649	1 966	2 028	4 643	15 054	176 829
Livestock & other	703	3 431	9 505	13 639	123 443	1 174 696
South Africa	2 610	12 570	24 942	40 122	301 080	2 327 301
Employment	389 421	284 111	84 097	757 628		

Source: Stats SA 2019; GHS, 2019

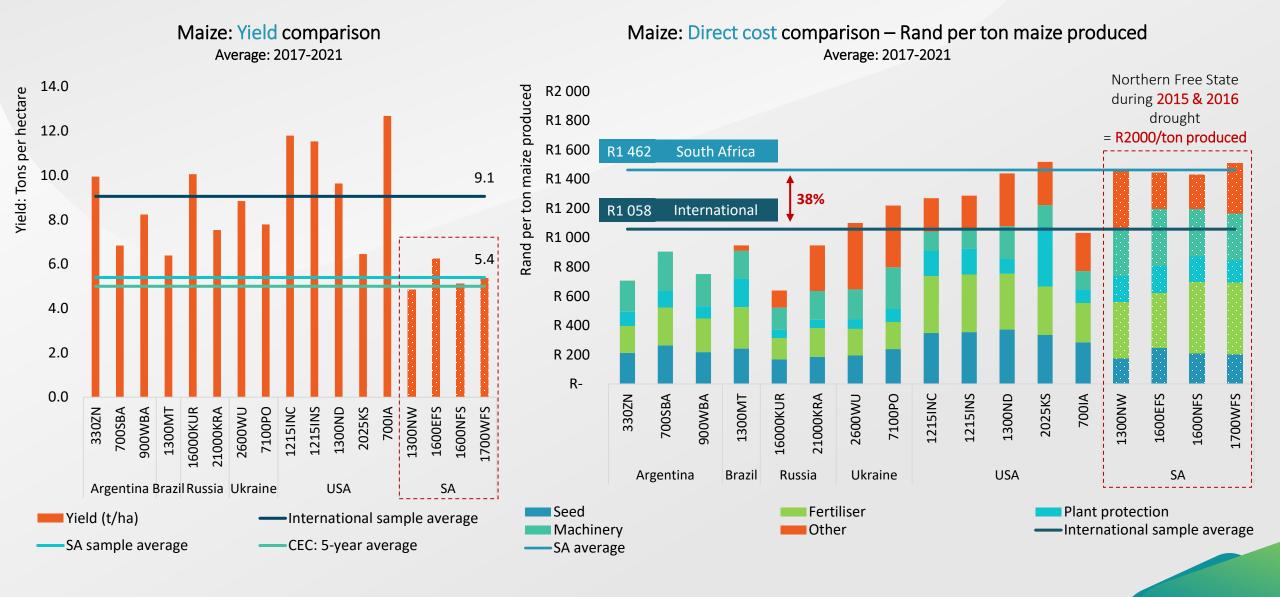
### Driving efficiency gains towards global competitiveness SA's avg growth in yields faster than global average





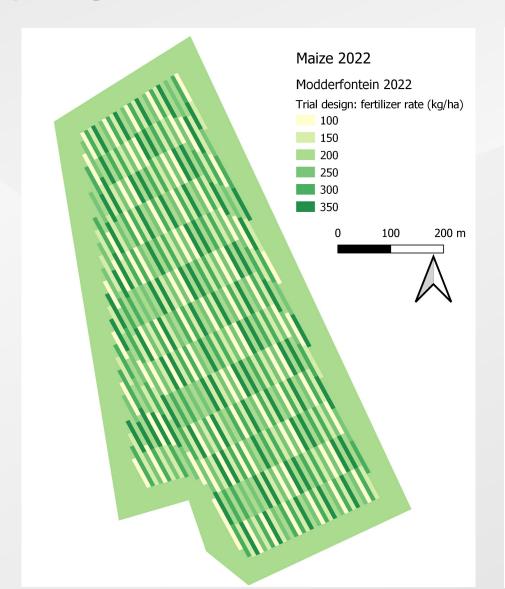
# Improvement in maize competitiveness – but further efficiency required

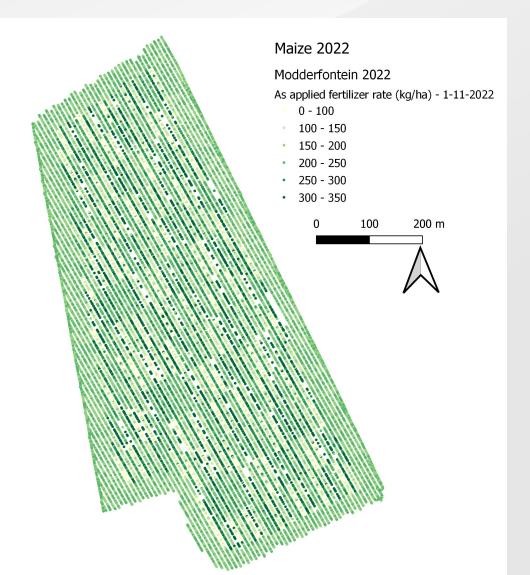






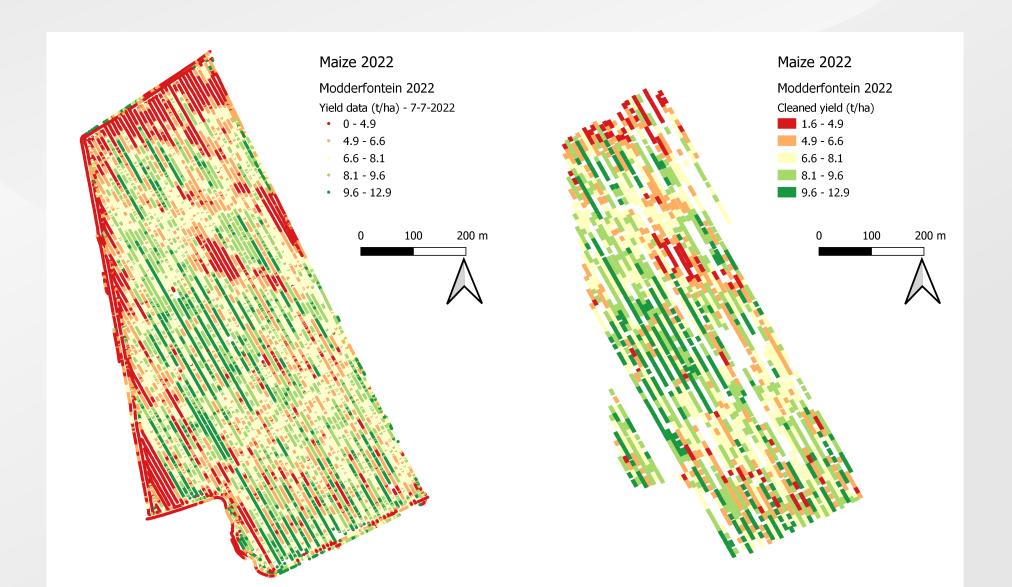
# BFAP's Data Intensive Farm Management programme: Fertilizer trial





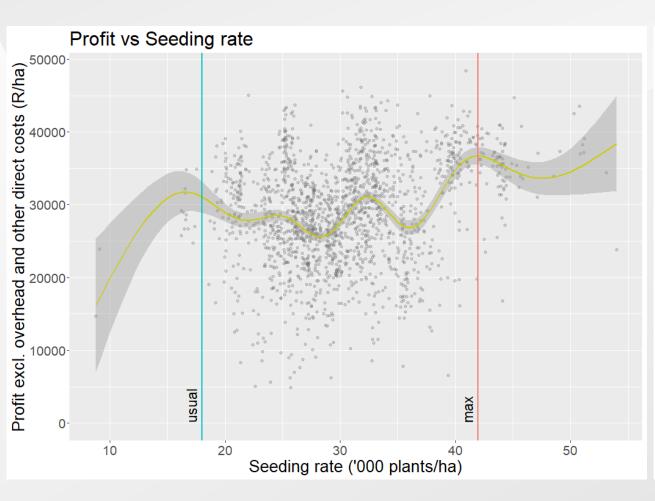


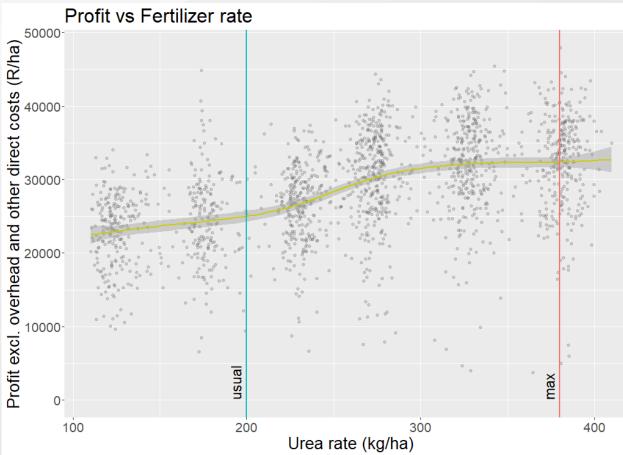
### **DIFM Yield Data**



### **DIFM Profit optimization**







# Key pillars of growth that determine SA's competitiveness







Market access: New export markets, improved protocols & Preferential Trade Agreements – critical to sustainability of existing & new entrants



Health & Biosecurity – effective management of animal & plant health critical to markets, competitiveness & sustainability





Strategic Infrastructure

development & improved efficiency to optimise logistics, handling & transportation



Investment in Research and Development & Sustainability of Natural Resources





PPP

Comprehensive & customised farmer support & financing -> productivity gains & sustainable new entry
Align, strengthen & expand existing



Efficient service delivery to improve competitiveness across value chain – e.g. water & water infrastructure, electricity, municipal services, safety



## Thank you



