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Fertilizer Market in Pakistan, its Dynamics and Issues

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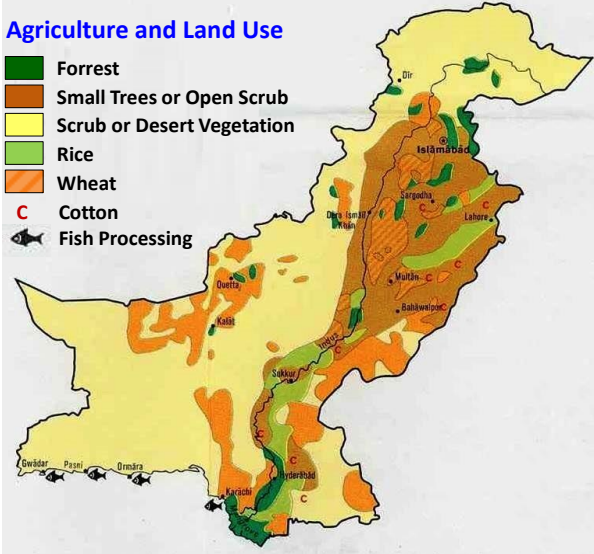
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Pakistan – An Agrarian Country

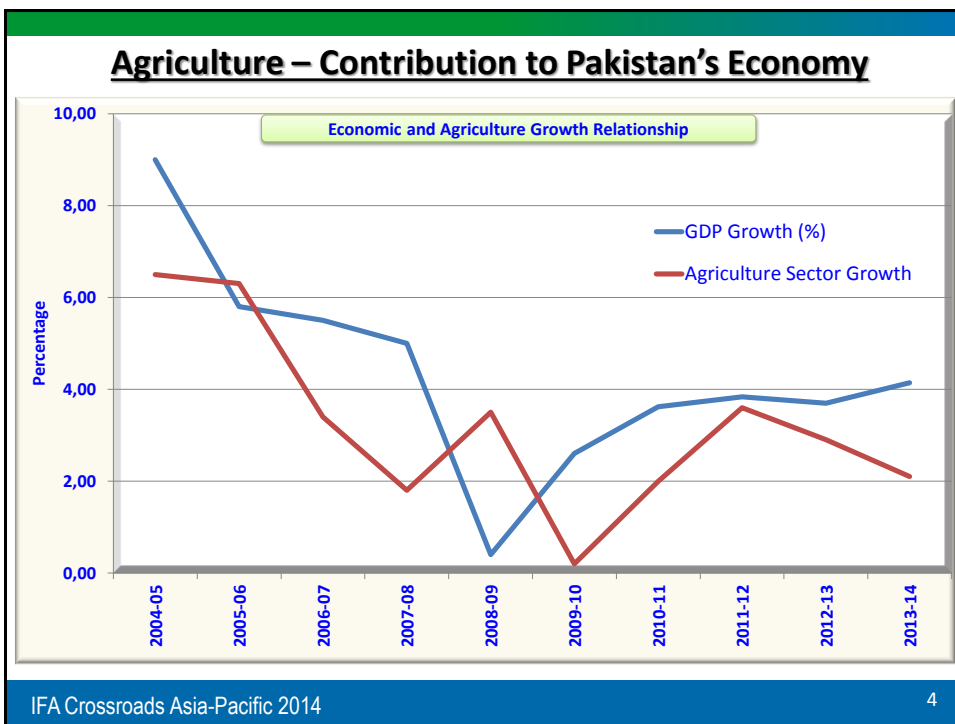



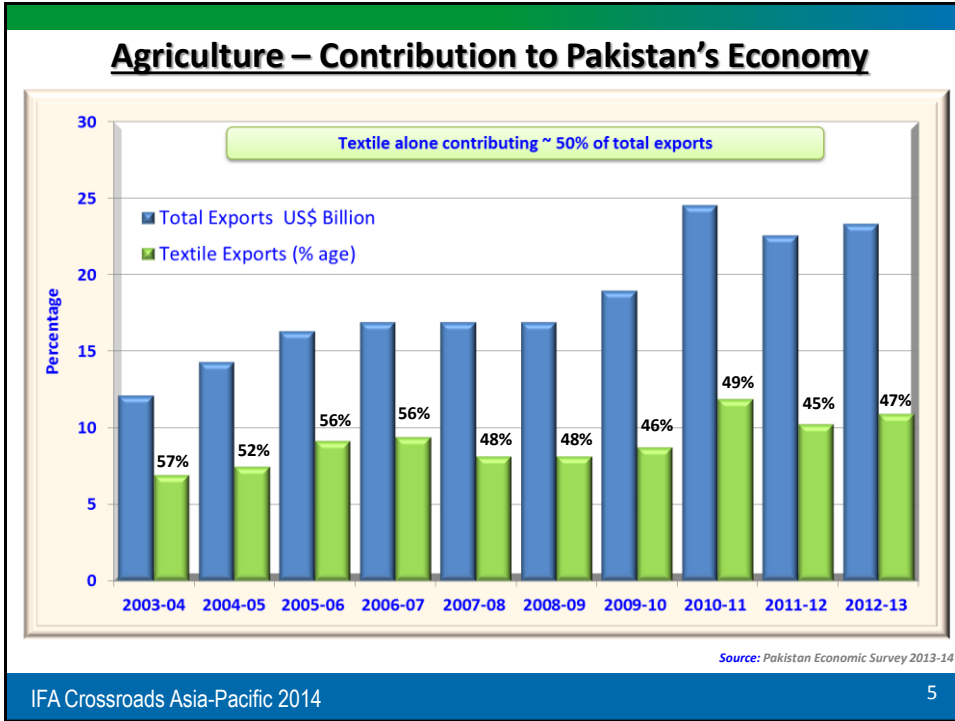
Agriculture and Land Use

- Forrest
- Small Trees or Open Scrub
- Scrub or Desert Vegetation
- Rice
- Wheat
- C Cotton
- Fish Processing



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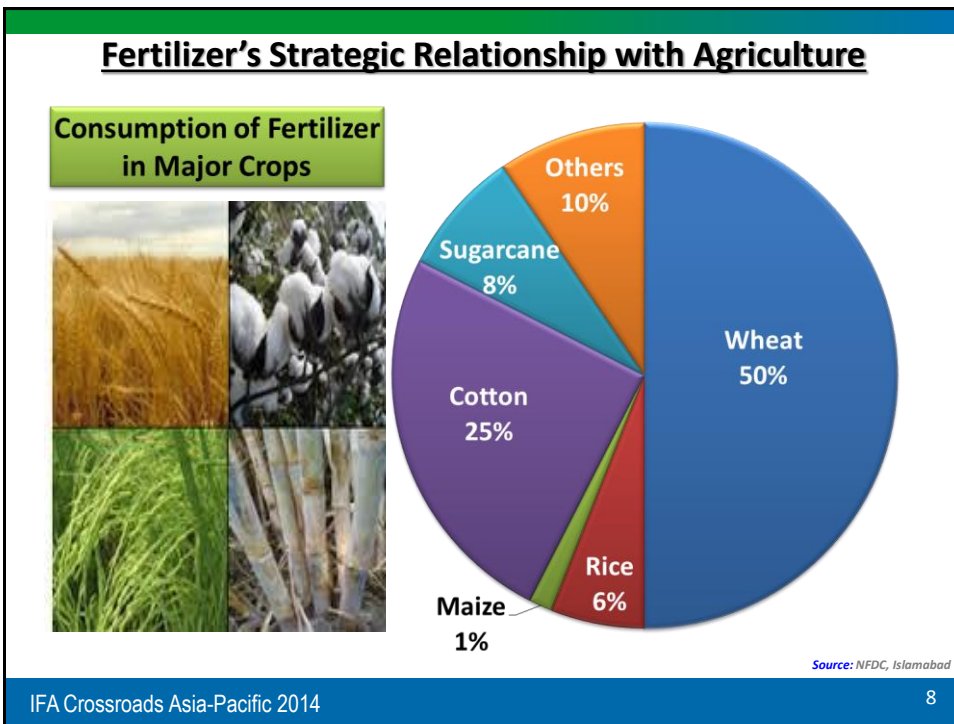
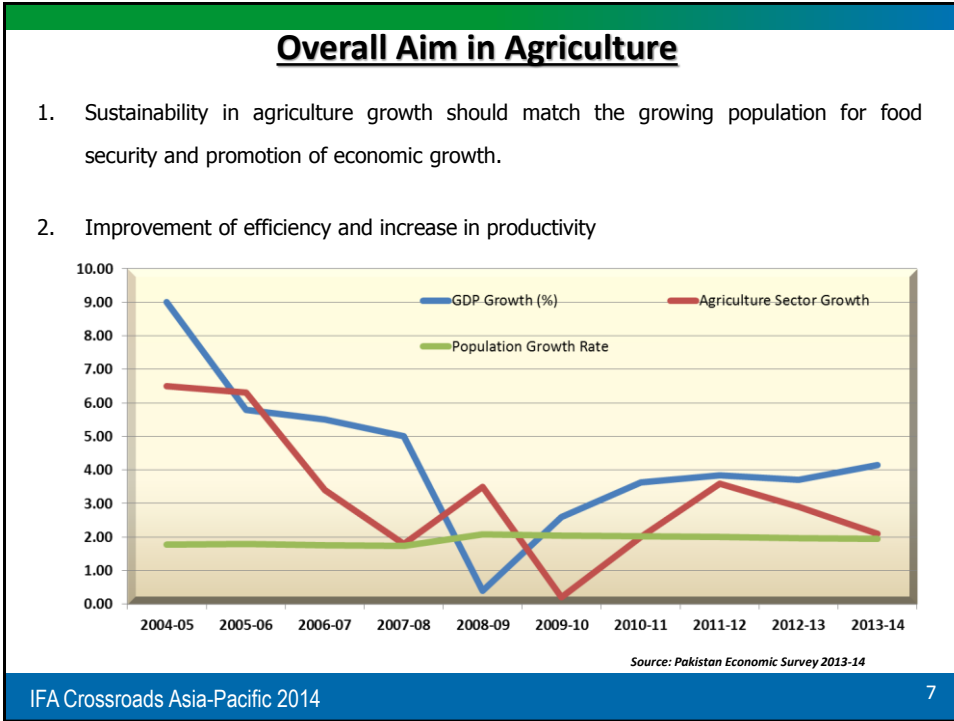
Pakistan – An Agrarian Country

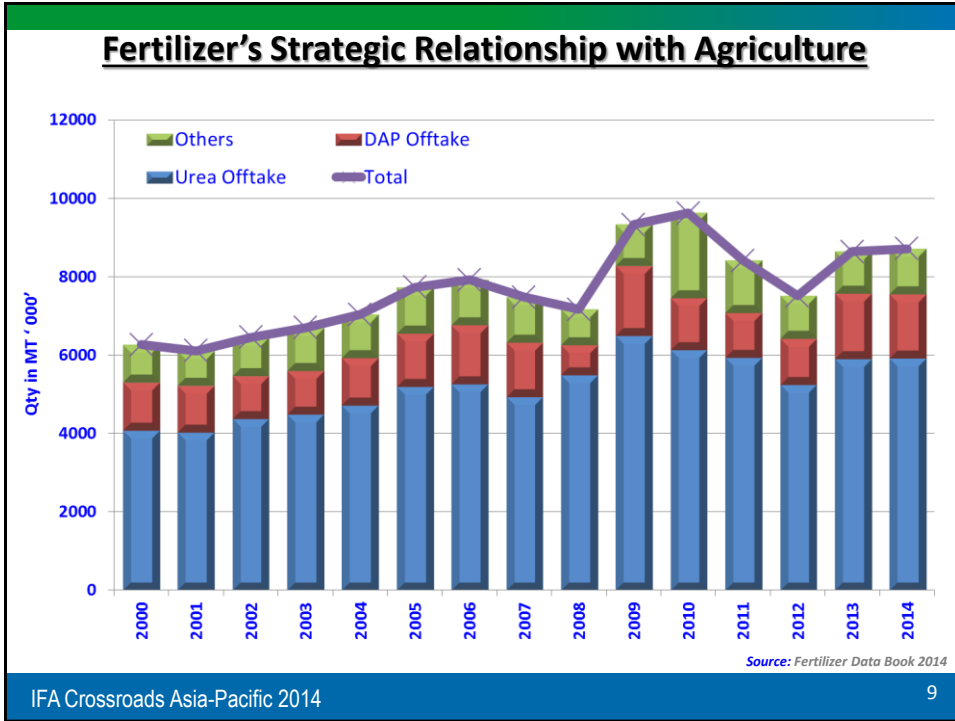
Pakistan ranks in the World:

- 4th in Cotton production
- 5th in Milk production
- 6th in Sugarcane Production
- 8th in Wheat Production
- 5th in Irrigation Potential

Source: CIA Fact Book 2013



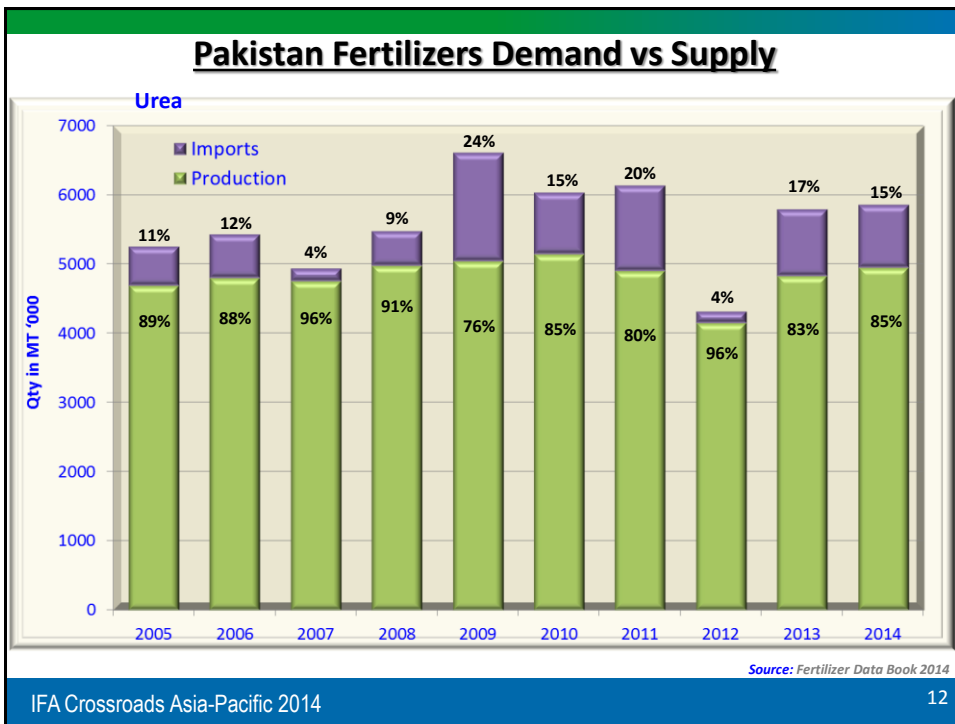
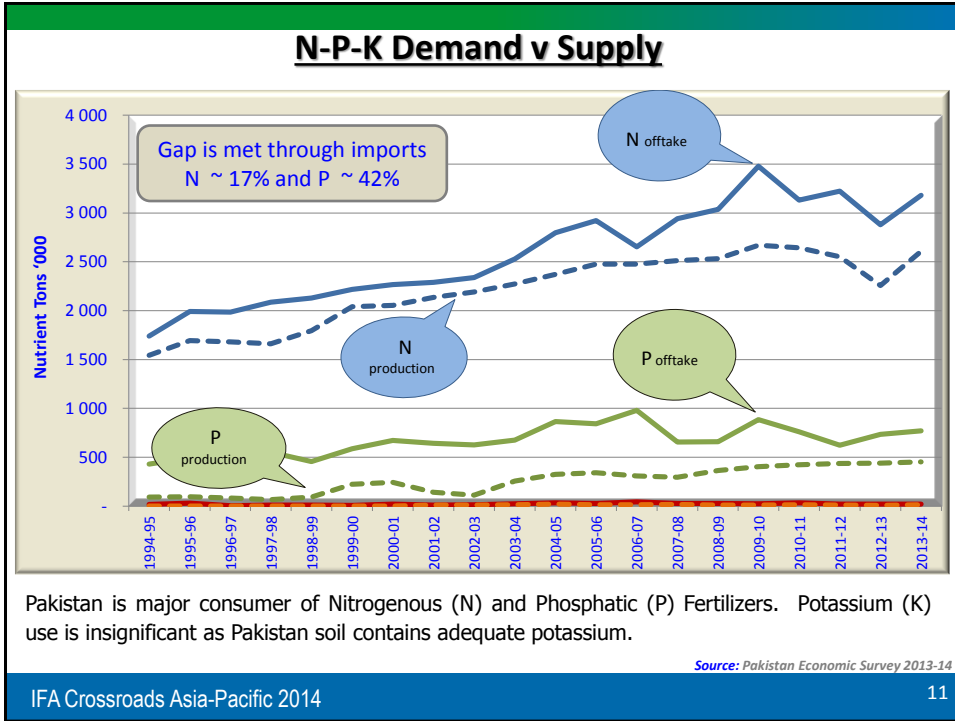


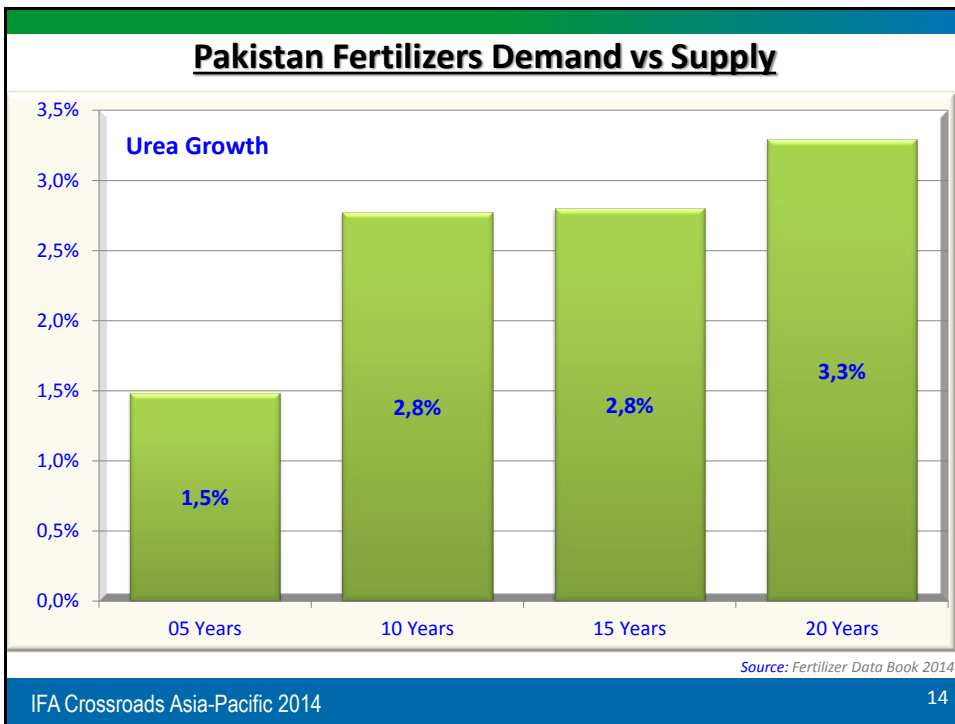
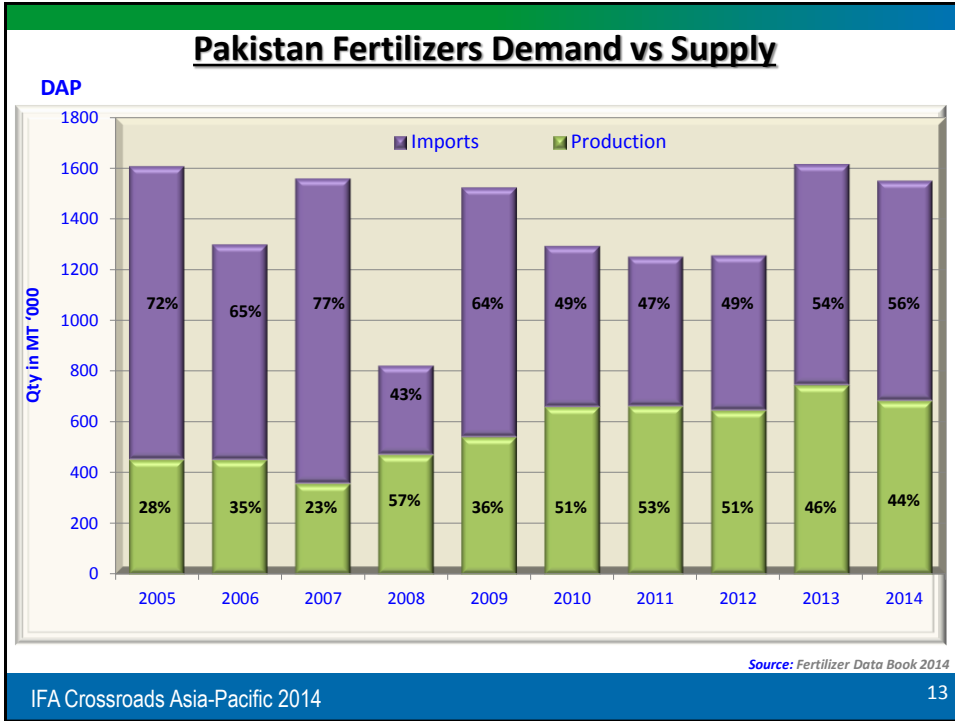
Yield of Major Crops & Pakistan Standing in the World

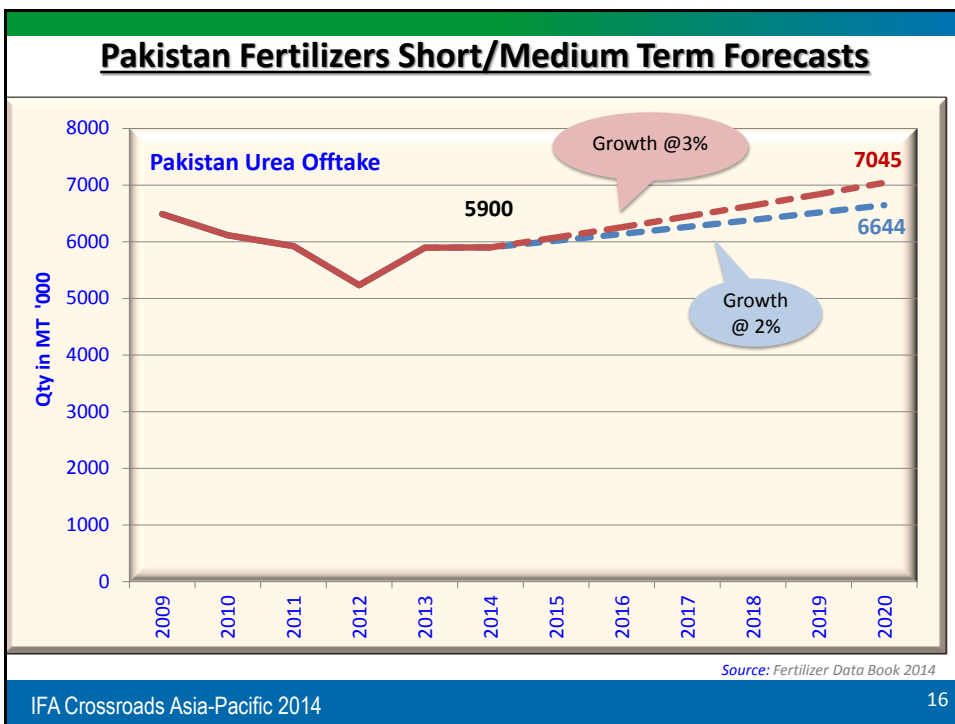
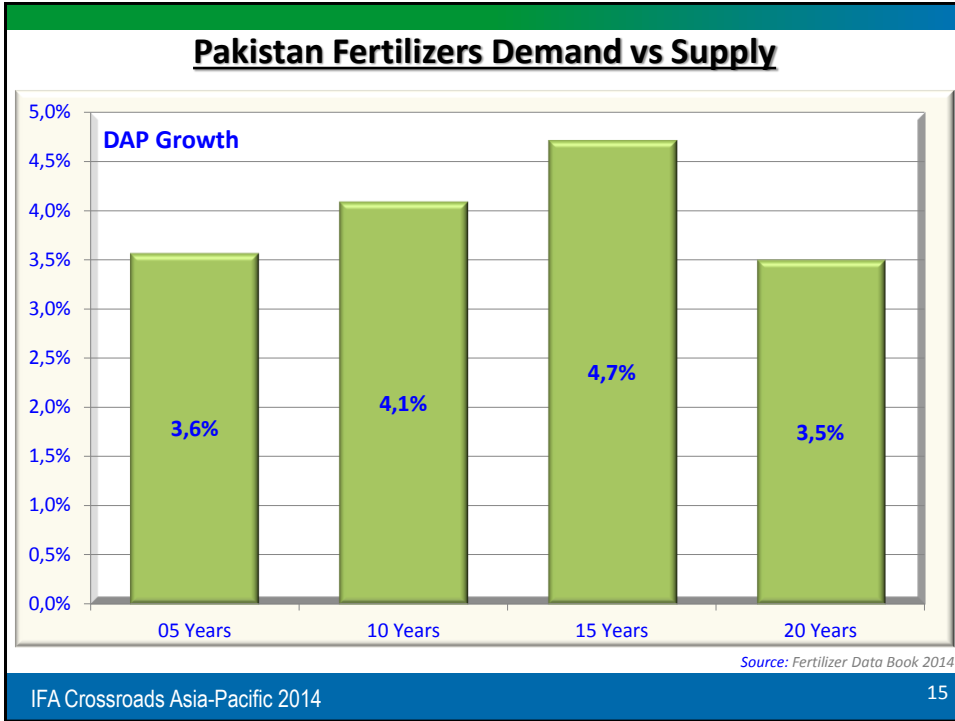
Crop	Yield/Hectare	Rank in World
Wheat	3 MT/HA	31 st
Cotton	700 KG/HA	19 th
Sugarcane	50 MT/HA	5 th

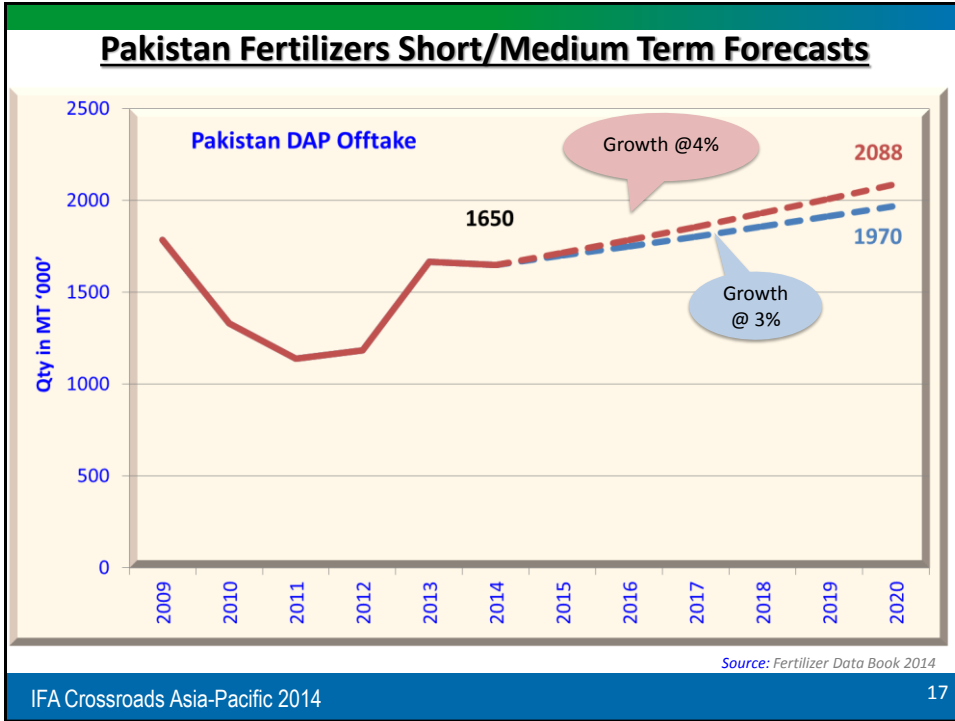
Pakistan in spite of 6th most populous country in the world and an agrarian economy has a lot more potential to increase its crop yields

Source: www.indexmundi.com and www.jespk.net/publications/112.pdf









Pakistan Floods and Effects

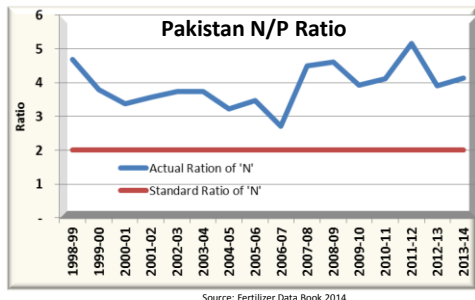
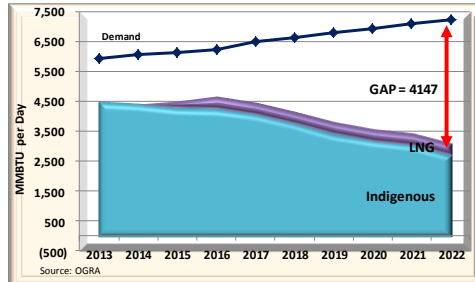
- Floods is a permanent feature in Pakistan's 67-year history.
- Generally do have negative impact on economy.
- However, floods in past, generally created layer of fertile soil with overall healthy effects on yields.**
- The offtakes of N and P and resultant crop yields in flood years portray satisfactory picture.

Flood Years	N offtake M tons	P offtake M tons	Wheat M tons	Cotton M Bales	Rice M Tons
2009	3.5	0.9	24	12.9	6.9
2010	3.1	0.8	23	11.5	4.8
2011	3.2	0.6	25	13.6	6.2
2012	2.9	0.7	23.3	13.0	5.5
2013	3.2	0.8	24	12.8	6.8

** Punjab Agriculture Research Board - Pakistan

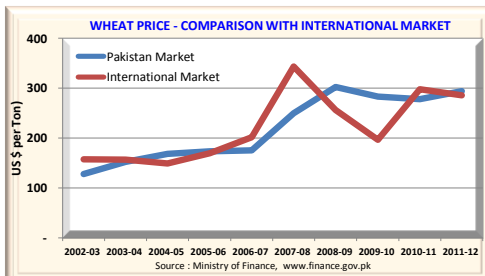
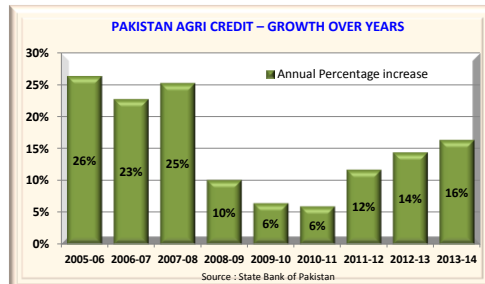
Pakistan Fertilizer Market - Issues

- Depleting natural gas reserves – constraint to operate fertilizer industry at capacity
- Use of fertilizers – imbalanced and inadequate. Urea consumed more than DAP being cheaper. N to P Ratio is above 4 against desired 2.
- Agriculture credit
- Inadequate flow of information from research to farmers
- Commodity prices



Remedies To The Issues

- Depleting natural gas reserves – efforts are to import natural gas from neighboring countries, import of LNG and incentives to oil and gas exploration sector
- Water availability – government’s plan to construct various small and medium dams
- Proposed subsidy scheme to make phosphatic and potassic fertilizers at cheap price to farmers
- Central bank’s efforts for boosting agri credit – annual growth of 15% during last 10 years
- Commodity prices of major crops – in line with international prices



Mountains of Pakistan

K2 – World's 2nd highest mountain

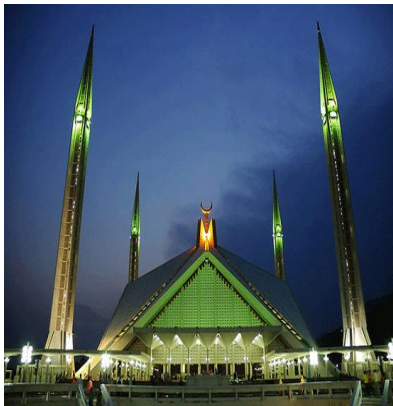


Nanga Parbat (9th highest mountain)



Mosques and Forts of Pakistan

Faisal Mosque (Islamabad)



Derawar Fort (Cholistan)

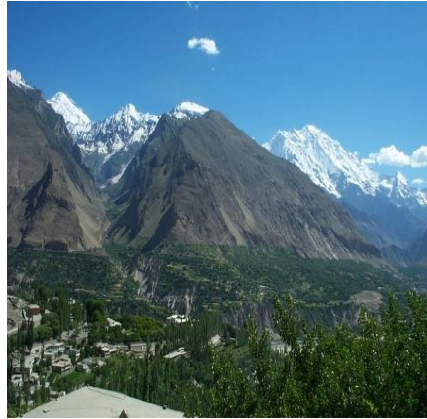


Lakes and Valleys of Pakistan

Lake Saiful Malook



Hunza Valley



Sea and Deserts of Pakistan

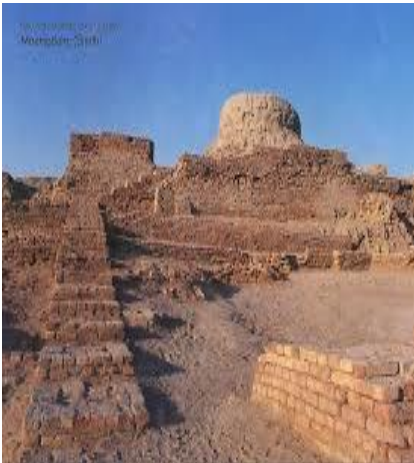


Fruits & Vegetables of Pakistan

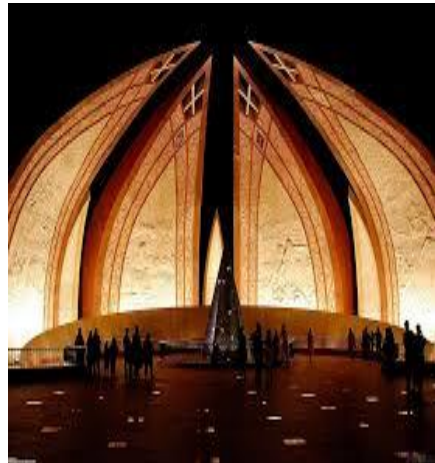


Heritage of Pakistan

Moenjodaro



Pakistan Monument



Culture of Pakistan



THANK YOU