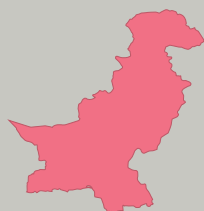


Pakistan



Region
South and Southeast Asia

UPOV membership status
In contact with the UPOV office for assistance in developing laws based on the UPOV Convention

Participation in OECD Seed Schemes
No

ISTA accredited member laboratories
No

GM crop approval for cultivation
Cotton

Law on Plant Variety Protection
Plant Breeders' Rights Act 2016

Seed sector in Pakistan

The seed sector in Pakistan is growing rapidly, with private seed businesses playing a leading role in providing certified seed.

The public sector, which includes organizations such as the Pakistan Agricultural Research Council and Pakistan Central Cotton Committee, and agricultural research institutes of the Pakistan Atomic Energy Commission play an important role in seed activities.

Pakistan enacted a sui generis system for the protection of rights on plant varieties, the Plant Breeders' Rights Act 2016, which came into force on December 8, 2016.

GM Bt Cotton is increasingly being adopted, with nearly 725,000 smallholder cotton farmers in Pakistan planting Bt cotton in 2017.

Observations

Twenty-two index companies report having a presence in Pakistan. Pakistan also has a significant local seed industry.

Seed production is carried out by four companies. Advanta is the only company with seed production activities involving smallholder farmers, who produce 95% of its seed.

The enactment of the Plant Breeders' Rights Act 2016 is seen as encouragement for seed companies to invest in R&D.

Ten companies indicate having testing locations in Pakistan, while other elements of the seed value chain, from breeding programs and seed production to seed processing and extension services, remain areas of improvement.

Company activities identified in Pakistan

Company	Crops in portfolio		Company activities in country					Extension services
	Field crops	Vegetables	Breeding location	Testing location	Seed production	Processing location	Sales	
Acsen HyVeg		●		●			●	
Advanta	●	●		●	●*		●	●
Bayer	●	●					●	
Bejo		●					●	
Charoen Pokphand	●	●					●	
Corteva Agriscience	●						●	
East-West Seed		●		●			●	
Enza Zaden		●					●	
Kalash Seeds		●		●			●	
Known-You Seed		●		●			●	●
KWS	●			●			●	
Lal Teer Seed		●					●	
Limagrain		●					●	
Monsanto	●	●	●		●		●	
Nongwoo Bio		●		●			●	
Nuziveedu Seeds	●	●		●			●	●
Punjab Seed Corporation**	●	●		●	●	●	●	
Rijk Zwaan		●					●	
Seed Co		●			●		●	
Syngenta	●		●				●	

Other index companies are also active in the country. However, country-specific information for these companies is not available or was provided under non-disclosure.

* Company involves smallholder farmers in seed production activities

** Company headquartered in Pakistan

Other companies identified in the regional landscaping study and their activities

Company	Crops in portfolio		Company activities in country		
	Field crops	Vegetables	Breeding location	Seed production	Sales
Ali Akbar Group	●	●		●	●
Auriga Seeds	●	●			●
Four Brothers Group	●	●	●	●	●
ICI Pakistan	●	●			●
Jullundur Seed	●			●	●



Access to Seeds Index