

**DIRECTORATE OF ADVANCED STUDIES
EVENT CATALOGUE
2021**

26TH SEMINAR OF DAS EVENTS CALENDAR – 2021

VEGETABLE SEED STATUS IN PAKISTAN



26th Seminar (through ZOOM) of DAS Event Calendar - 2021

VEGETABLES SEED STATUS IN PAKISTAN

**Thursday, October 28, 2021, Time: 02:00 p.m. - PKT GMT+5
ZOOM Meeting ID: 955 408 3170 - Passcode: 67890**

Speaker:

Dr. Mahmood ul Hassan
Assistant Professor,
Department of Plant Breeding & Genetics

Organizer:

**Directorate of Advanced Studies
PMAS-AAUR**

ACTIVITIES

Introduction

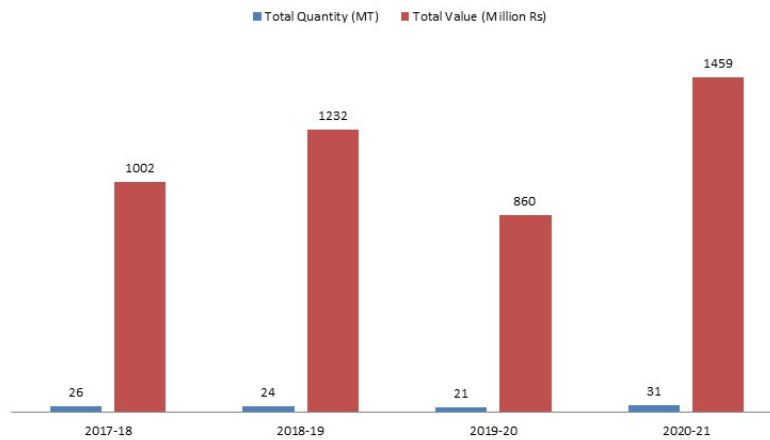
- Vegetables are annual or perennial horticultural crops, succulent parts of which can be consumed wholly or partially, cooked or raw .
- Vegetables are important for human nutrition in terms of bioactive nutrient molecules such as dietary fiber, vitamins and minerals, and non-nutritive phytochemicals
- Almost 80 vegetable are grown globally while 40 in Pakistan
- Major vegetable area in Pakistan is under hybrid seed
- More than 80% vegetable seed requirement is met through import.
- Limited quantity of OPV seed is being produced by Government institutes (VRI etc.) and some private seed companies

Area, Seed Requirement and Seed Availability 2020-21

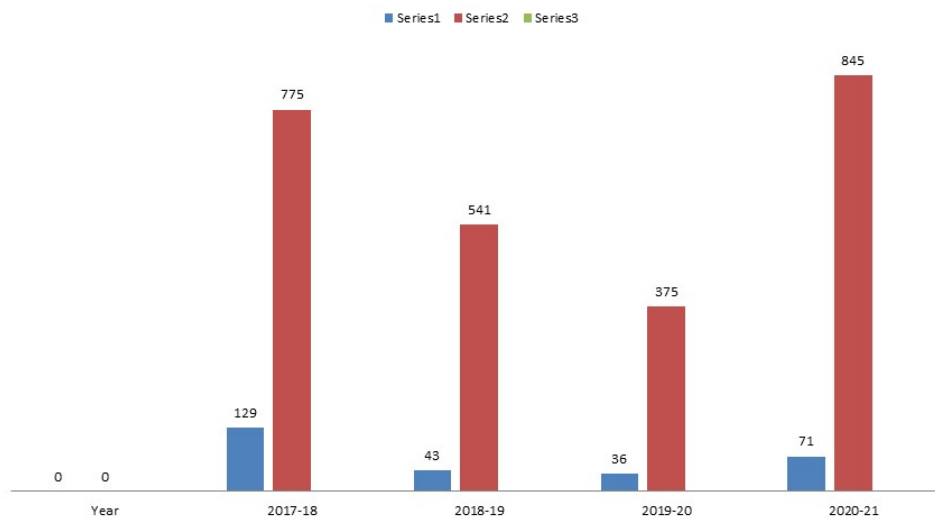
(Source: FSC&RD)

Crop	Area 000 Ha	Total seed requirement MT	Seed Availability (M.T)			
			Public	Private	Total	
				Local	Imported	
Wheat	8833	1090925	55871	359452	0	415322.66
			5%	33%	0%	38%
Cotton	2895	57205	1569	55488	0	65893
			3%	90%	0%	93%
Paddy	2879	42393	5211	6358	9947	82541
			12%	15%	23%	50%
Maize	1328	32794	734	2560	18901	22195
			2%	8%	58%	68%
Pulses	1185	42674	672	1652	0	2323
			2%	4%	0%	6%
Oilseeds	830	10790	100	378	399	876
			1%	3%	4%	8%
Vegetables	280	8400	109	529	6720	11085
			1%	6%	80%	87%
Fodders	2038	61140	43	12228	35859	78263
			0%	20%	71%	91%
Potato	166	415000	0	0	4735	4735
			0%	0%	1%	1%

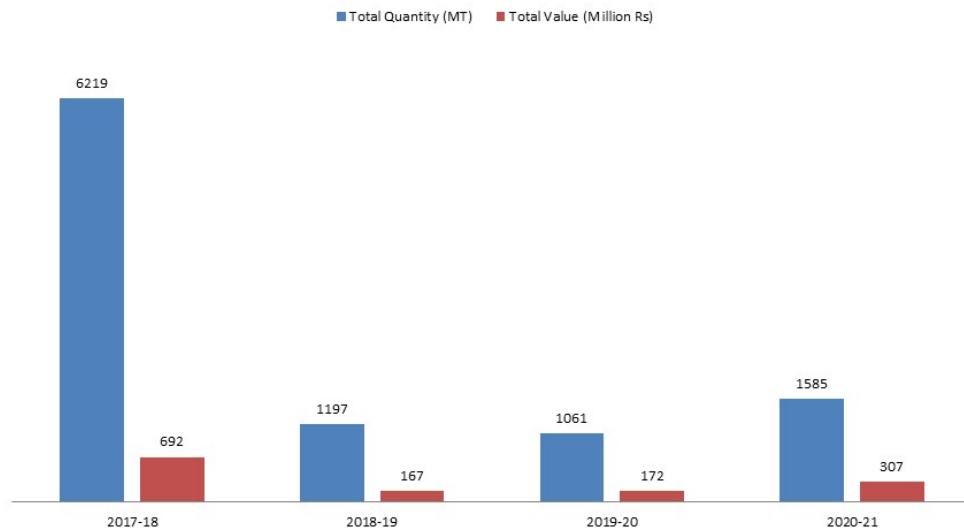
Tomato Seed Import (Source: FSC&RD)



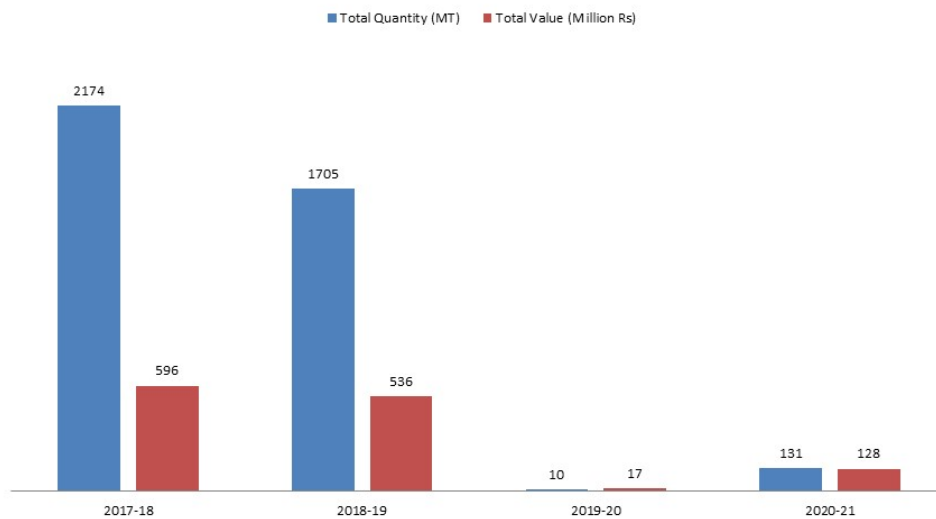
Watermelon Seed Import (Source: FSC&RD)



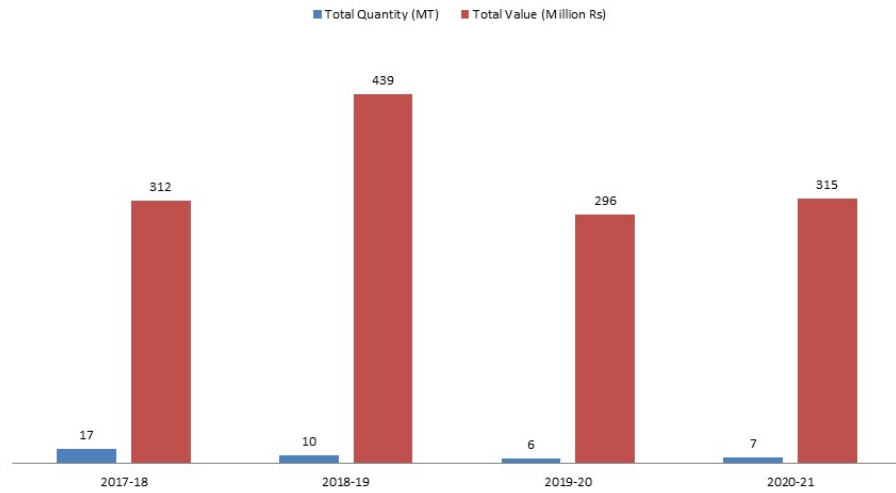
Peas Seed Import (Source: FSC&RD)



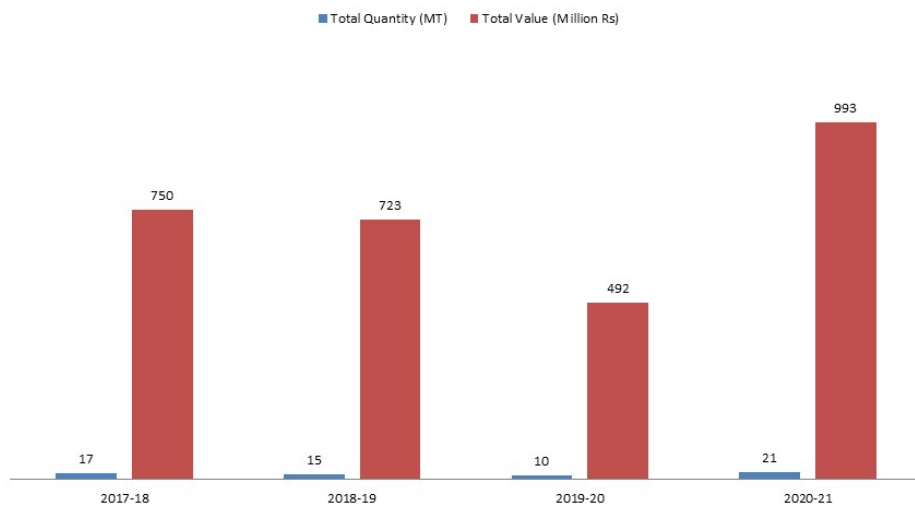
Okra Seed Import (Source: FSC&RD)



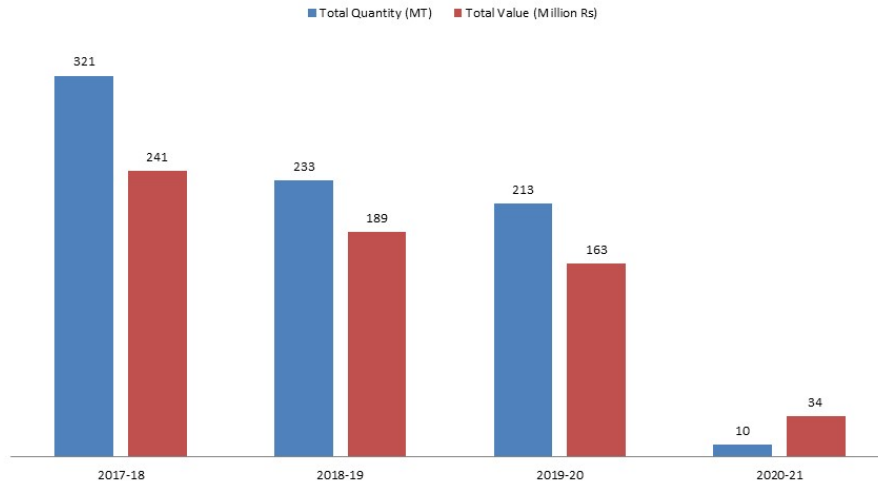
Cucumber Seed Import (Source: FSC&RD)



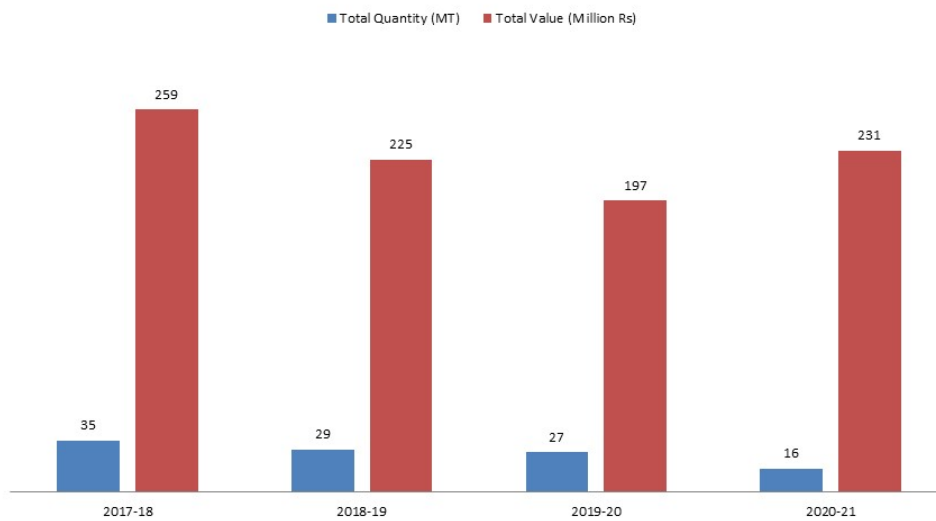
Hot Pepper Seed Import (Source: FSC&RD)



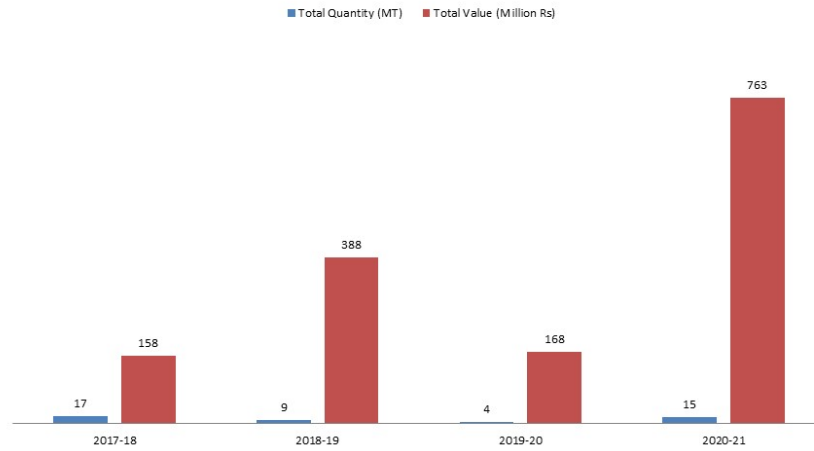
Carrot Seed Import (Source: FSC&RD)



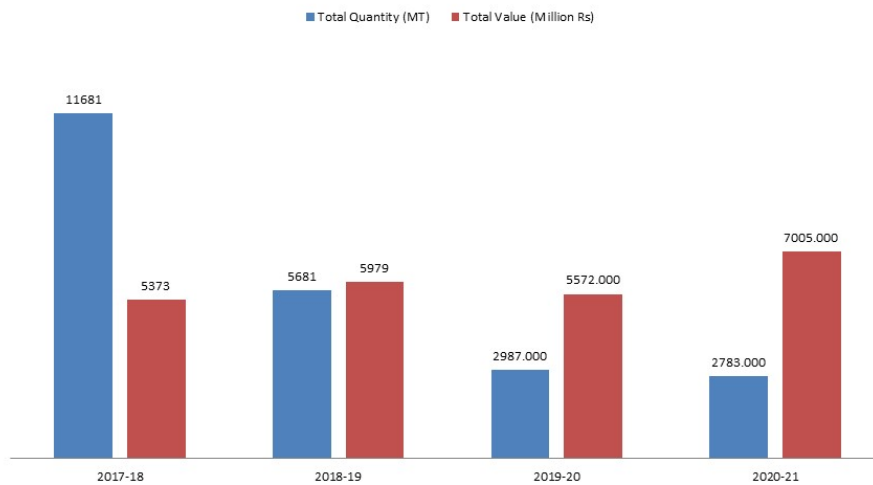
Bitter Gourd Seed Import (Source: FSC&RD)



Cauliflower Seed Import (Source: FSC&RD)



Total Vegetable Seed Import (Source: FSC&RD)



ISSUES

- Non-availability of infrastructure for seed production
- Non availability of technical experts and expertise, especially for hybrid seed production
- Registered seed companies are just distributors or importers
- Non-availability of specific sites for seed production of specific vegetables.
- Policy issues regarding seed marketing
- Non-availability of proper storage unit for good seed viability
- Vegetables include 40 species in Pakistan. It needs years of experience to be an expert of just one specie even. Unfortunately a researcher is transferred to other crops like wheat, cotton or rice when he has developed expertise in a certain vegetable

POSSIBLE SOLUTIONS

- Facilitate and encourage seed companies / local seed producers
- Facilitate local producers and researchers for local and foreign trainings
- Strengthening of policies to discourage vegetable seed import and non certified seed selling
- Development of facilities for seed storage
- Relaxation of taxes for the import of relevant material required for infrastructure
- Strengthening of public sector vegetable research institutes by providing more experts, staff and facilities
- Dedicated research stations /institutes should be established for major vegetables like tomato, cucumber, cauliflower, hot pepper, bitter gourd and carrot as these have bigger import bills
- Strengthen PBR system