

Current Status, Strategy, Policy and Programs of Seed (Potato, Vegetable and Spice Crops) in the Province: Madhesh Province

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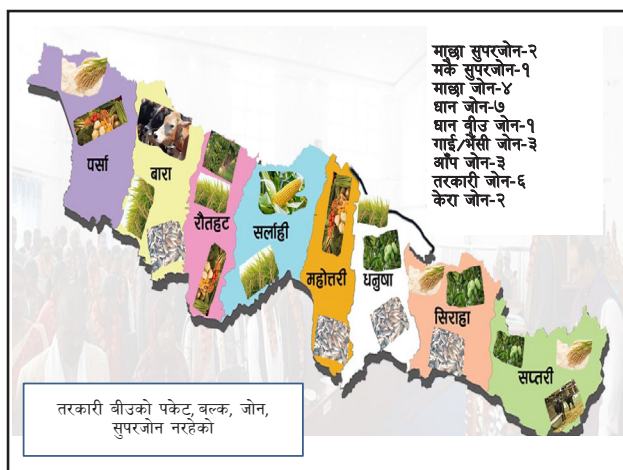


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Overall progress status of AKCs and Farm Centres Involved in the Vegetable seed research, Production and Distribution

SN	AKC/Farm Centres	Vegetables	Production	Distribution
1	Saptari			
2	Siraha			
3	Dhanusha			
4	Mahottari			
5	Sarlahi			
6	Parsa			
7	Rauthat	Cauliflower (Kartik, Terai land 2, Late paush)	350 kg	350 kg
		Cowpea (Thailand)	700 kg	700 kg
		Ridge gourd (Local)	750 kg	750 kg
		Lady finger (VNR)	20 kg	20 kg
		Tomato (Harbhajan)	15 kg	15 kg
		Brinjal (Sarlahi green)	25 kg	25 kg
		Bottle gourd (Local)	41 kg	41 kg
		Cucumber (Local)	27 kg	27 kg
8	Tropical Horticulture and Nursery Development Centre, Janakpur, Dhanusha	Radish (Chalis dine), Cowpea (Sarlahi Tane)	200 kg	200 kg
9	Tropical Horticulture Centre, Nawalpur, Sarlahi	Vegetable seed	329 kg	498 kg
		TPS Seed	0.7 kg	2.6kg
		Potato seed	10.3 Mt	9.15 mt

Source : AKC/ Farm centres 2081/82



Status of Area, Production and Productivity of vegetable seeds and seedlings

SN	Commodity	Area	Production	Productivity
1	Vegetable seed (Cauliflower, Cowpea, Ridge gourd, Lady finger, Tomato, Brinjal, Bottle gourd, Cucumber)	-	2626 kg	
2	Vegetable Seedlings	-	603650	Private Nursery datas are not available but so many private nurseries are raising vegetable seedlings
3	TPS Seed	-	2.6kg	
4	Potato Seed	-	10.3 Mt	Most of the data are missing we will recollect very soon

Source: AKC/ Farm Centre 2081/82

Vegetable seed (Potato, Vegetable and Spice crop)

SN	Vegetable seed	Production	
1	TPS seed	2.6 kg	
2	Potato seed	10.3 Mt	
3	Vegetable seed	2626 kg	
4	Spice	-	Data not available

Vegetable crops including (Protected Horticulture)

- Majority of farmers are not growing vegetable in Protected Horticulture in Madhesh Province.
- Uses in Vegetable seedling production specially in Cucurbits and Cole crops

Potato Crops

SN	Vegetable	Area (ha)	Production (Mt)	Productivity (Mt/ha)	
1	Potato	27648	446390	16.5	

Source: Statistical information on Nepalese Agriculture, 2021/2022

Spice crops including large cardamom

SN	Spices	Area (Ha)	Production (Mt)	Productivity (Mt/ha)
1	Large Cardamom	-	-	-
2	Ginger	611	18839	30.83
3	Garlic	801	4663	5.82
4	Turmeric	1155	14387	12.46
5	Dry Chilli	2298	11548	5.03

Source: ADD, Madhesh Province, 2081/82

Status of Vegetable Nurseries

- Most of the nurseries are working on fruit and flower commodities.
- They prepare their own seedlings by grafting, seed and other mode of propagation by them selves.
- Most of them direct purchase flower and fruit plants from India and other private nurseries.
- Very few nurseries are working on vegetable seedlings and sell them to farmers.

Challenges

- Inadequate Seed Marketing Information and Infrastructure
- Diseases and Pests Introduction Due to Quarantine Problem
- Lack of a Clear Seed Strategy
- Limited Extension Services
- Private Companies Tend to Concentrate on Profitable Crops
- Lack of Awareness and Knowledge Gap About Seed Production
- Inadequate Source Seed Supply
- Lack of Postharvest Handling Experiences
- Budget Limitation for Field Inspection
- Lack of Effective Large Scale Seed Enterprise and Industry

Opportunities

- Presence of High Seed Demands with a Limited Seed Supply
- Governments and Assisting Agencies are Currently Reassessing their Strategies
- Government Investments in Rural Infrastructure and General Agricultural Policies
- Availability of Human Resource with Trained Person
- Presences of Strong National and Regional Initiatives in Seed Production
- Presence of Development Agents and Different Cooperatives
- Non-Governmental Organizations (NGOs)

Measures

- Coordination among AKC/Farm Centres and NARC related to vegetable seed production program in farmer level
- Capacity Development program for Technical staff as well as farmer
- Seed production program
- Strengthen provincial farm regarding vegetable seed production
- Seed village concept
- Establishment and maintenance of seed bank
- Quality control arrangement on seeds
- Transport Subsidy on movement of seeds
- Seed storage facilities