

CHAPTER-13

PRODUCTION & TECHNOLOGY PRODUCTS FOR THE FAREMRS

1. INFRASTRUCTURE FACILITIES WITH KVK TO EXECUTE THE MANDATED ACTIVITIES

Table 1 A brief detail of infrastructure and facilities available at KVK

Items	Details	No.	Source of Funding
Administrative Building	Complete well furnished	01	ICAR
Farmers' Hostel	Complete well furnished	01	ICAR
Seed Godown	Complete well furnished	01	Pulse Seed Hub
Mobile Soil Testing Lab	MSTL, Van for soil testing at field level.	01	RKVY
Farm Machinery	Potato planter	01	ICAR
	Potato Planter	01	CRA (BISA)
	Cultivator	01	ICAR
	Cultivator	02	CRA (BISA)
	Rotavator.	01	ICAR
	Rotavator	01	CRA (BISA)
	Happy Seeder	01	ICAR
	Happy Seeder	01	CRA (BISA)
	MB Plough,	01	CRA (BISA)
	Thresher	01	ICAR
	Training Pruning machine	01	NHB
	Zero tillage machines	02	ICAR
	Zero tillage	02	CRA (BISA)
	Reaper cum binder	01	CRA (BISA)
Bed planter	01	ICAR	

	Lazer land Levellor	01	CRA (BISA)
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Vehicles	Motor Cycle	02	ICAR
	Tractor (35.HP old)	01	ICAR
	Tractor (53 HP New)	01	CRA (BISA)
e-connectivity	Office is facilitated ITC	01	KVK, Vaishali
Demo unit etc.	Mushroom unit	01	ICAR
	Vermicompost	01	RKVY
	Quail unit	01	ICAR (ARYA)
	Mushroom Unit	01	ICAR (ARYA)
	Zero Energy Cool Chamber	01	RF
	Banana Fiber Extraction	02	ICAR (ARYA)
	Azolla Unit	01	RF
	IFS unit	01	ICAR
	Automatic Sprayer	01	CRA (BISA)
	Boundary Wall	Farm Boundary	02
Any other	Poly house	02	NHB & NHM
	Shet Net House	02	NHB & NHM
	Automatic Weather Station.	01	GKMS
	Solar Tree	02	DRPCAU, Pusa
	Dall Mill	01	ICAR
	Seed processing Machine	01	Pulse Seed Hub

Implements available at KVK for Custom Hiring





Mobile Training pruning machine

This fruit plant training and pruning machine provided by the NHB in the year 2011. This is the technology of Israel. This is single machine in the Bihar which is provided to KVK, Vaishali by Israel and India agreement. 53 Orchard pruned and area covered 75 ha, farmers benefited 467 and in 14 Kisan Mela this machine displayed for the farmers.

Laboratory Facilities

Soil testing laboratory equipment

i	Chemical balance (200 g)	01	ICAR, New Delhi
ii	Micro controller based flame photometer	01	ICAR, New Delhi
iii	Electrical conductivity meter	01	ICAR, New Delhi
iv	Double distillation unit (1.5 lit./hr)	01	ICAR, New Delhi
v	Deionizer	01	ICAR, New Delhi
vi	Electronic balance (0.001 g)	01	ICAR, New Delhi
vii	Hot air oven (14" x14" x14")	01	ICAR, New Delhi
viii	Kjeldahl digestion and distillation unit	01	ICAR, New Delhi
ix	Rotary shaking machine	01	ICAR, New Delhi
x	Spectrophotometer	01	ICAR, New Delhi
xi	Hot plate	01	ICAR, New Delhi
xii	Inverter and battery	01	ICAR, New Delhi
xiii	Voltage stabilizer	01	ICAR, New Delhi
xiv	Wooden pestle and flask	01	ICAR, New Delhi
xv	Processor based P ^H system	01	ICAR, New Delhi
xvi	Physical balance	01	ICAR, New Delhi
xvi i	Mridaparikshak Kit	01	ICAR, New Delhi
xvi ii	Pusa STFR Kit	01	ICAR, New Delhi

Mushroom spawn production laboratory

i	Autoclave	01	ARYA, ICAR
ii	Laminar air flow	01	ARYA, ICAR
iii	BOD incubator	01	ARYA, ICAR

Live demonstration unit at KVK



Vermicompost unit



Bee keeping unit



Quail unit



Mushroom unit



Mushroom composting floor



Zero energy cool chamber



Floriculture at KVK



Polyhouse



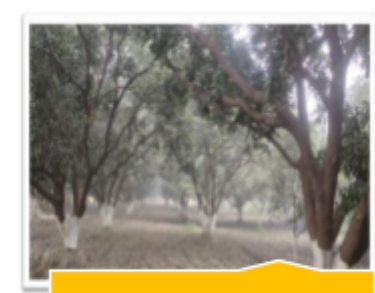
Shade net house



Poshan vatika



Aromatic and medicinal plants



Mango orchard



Administrative Building



KisanGhar



Accommodation facilities in Kisan Ghar



Threshing floor & Mushroom preparation Floor



Banana fiber Extraction machine & Agromatrolology



Soil Testing Laboratory

KVK Farm : Horticultural Units at farm



Zero energy cool chamber & Floriculture Unit



Polyhouse



Production in polyhouse



Shade Net House



Production in Shade Net House

KVK Farm



Solar Tree for Irrigation at Farm

B) STATUS OF FARM PRODUCTION

Distribution of land	Area (ha)
Crops	4.52
Orchard	3.50
Building area	2.51
Demonstration units	0.50
Others with details	1.0
Total	16.03

0.5	1	4.52	Crops
2.51			Orchard
	3.5		Building area
			Demonstration units
			Others with details

Total land with KVK (in ha): 16.03



Seed Production at KVK Farm

KVK, Vaishali is doing Seed production for the farmers. During 2016-20 KVK produced 795.9 q of Seeds of Potato, Paddy, Wheat, Mustard and Green Gram. This seed sold by KVK to the farmers and also supplied to the Directorate of Seed and Farm, Pusa, Samastipur.



Production from different unit of KVK

KVK, Vaishali produced somany agri products at KVK. Quail Farming is one of the peculiar sector in KVK. Total earning Rs 1814140 and 8520 farmers benefitted by these technologies.

Establishment of live demonstration unit at KVK for farmers display

Capsicum (*Capsicum annuum*) also known as Bell Pepper (*Shimla Mirch*), can be well grown in



Polyhouse and Shade net in the agro climatic conditions of Vaishali dist of Bihar. KVK Vaishali grown around the year vegetables under polyhouse, so that farmers can see the live units.



**Polyhouse: Vegetable
Cultivation**



Banana field at KVK Farm

Planting material & Seedlings



Mother Plant Mango Nursery



Planting material produced



Quail Farming



Oyster Mushroom Production



Button Mushroom Production

