

Crops available for practicals:-

Sr. No.	Name of Crops & Variety	Numbers/Area
A	FIELD CROPS	
	1) Soyabean 2) Wheat 3) Gram 4) Groundnut	
B	FRUIT CROPS	
1	Coconut (1622 Nos.)	
	1) T x D	711
	2) Banavli	907
	3) Green Dwarf	04
2.	Mango (463 Nos.)	
	1) Alphonso	114 + 200 (Meadow Orchard)
	2) Kesar	68
	3) Payari	14
	4) Amrapali	05
	5) Ratna	25
	6) Totapuri	04
	7) Sindhu	01
	8) Goa Mankur	05
	9) Jambo Keshar	05
	10) Langda	04
	11) Local	13
3.	Sapota (299 Nos.)	
	1) Cricket Ball	167
	2) Kalipatti	132
4.	Guava (205 Nos.)	
	1) Lalit	168
	2) Sardar (L-49)	37
5	Pomogranate- Bhagwa	183 Nos.
6.	Kokam – Kokan Amruta	04 Nos.
7.	Jack Fruit	03 Nos.
8.	Dragon Fruits	1000 Nos.

9.	Kokam	05 Nos.
10.	Aonla- Krishna & Kanchan	35 Nos.
11.	Custard Apple- Balanagar	43 Nos.
12.	Apple Ber	254 Nos.
13.	Banana 1. G 9 2. Safed welchi	7200 Nos. 1000 Nos.
14.	Lemon- Kokan Seedless	05 Nos.
15.	Lime- 1. Sai sarbati 2. Phule sarbati	04 Nos. 24 Nos.
16.	Jamun – Kokan Bhardoli	05 Nos.
17.	Fig	05 Nos.
18.	Karonda – Kokan Bold	05 Nos.
19.	Papaya	300 Nos.
20.	Drumstick – Co-1	250 Nos.
C	VEGETABLES	
1.	Tomato	Cowpea
2.	Brinjal	Cabbage
3.	Onion	Cauliflower
4.	Chilli	Pumpkin
5.	Capsicum – Paladin	Beans
6.	Cucumber- Gipsy	Fenugreek
7.	Bitter Guard	Coriander
8.	Ridge Guard	Spinach
9.	Snake Gaurd	Cluster bin
10.	Muskmelon	Radish
11.	Garlic	Sweet potato
12.	Clusterbeen	Ambadi
13.	Bhendi	Beet
D	FLORICULTURE	
1.	Sonchafa	2.Marigold- Kolkatta Yellow

E	SPICE & CONDIMENTS	
1.	Black pepper	Ginger
2.	Cinnamon (Dalchini)	Chilli
F	ORNAMENTALS	
1.	Ficus	Lotus
2.	Golden Brush	Acalypha
3.	Silver Oak	Duranta
4.	Saptaparni	Lantana
5.	Suru	Areliia
6.	Thuja	Croton
7.	Bottle- Palm	Coleus
8.	Royal Palm	Bougainvillae
9.	Hibiscus	Tichoma
10.	Cassia	Wadelia
11.	Green-Chafa	Conocarpus
12.	Moneyplant	Lawn- American Phaspa lawn
G	FOREST TREES	
1.	Raintree	Sandal wood
2.	Cassia	Teak wood
3.	Rubber tree	Subhabhul
4.	Karanj	Acassia
5.	Bamboo	Eucalyptus
H	AROMATIC & MEDICINAL PLANTS	
1.	Asperagus	Murud sheng
2.	Adulsa	Aloe vera
3.	Mint	Tulsi
4.	Lemon-Grass	Bramhi
5.	Vetiver	
I	CASH CROPS	
1.	Sugarcane 1) CO-86032 2) CoM-9057 3) VSI-12121	

2.	Ginger	
J	DAIRY	
1.	Bullock Pair	01 Nos.
2.	Cow-	14 Nos.
	1. HF	08
	2. Jersay	04
	3. Khilar	01
	4. Gir	01
3.	Buffalo-	14 Nos.
	1) Murrah	09
	2) Local	01
	3) Mehsana	02
	4) Surati	01
	5) Mendha	01
4.	Goats	50 Nos.
5.	Poultry Birds	150 Nos.



Coconut Orchard



Mango Orchard



Sapota Orchard



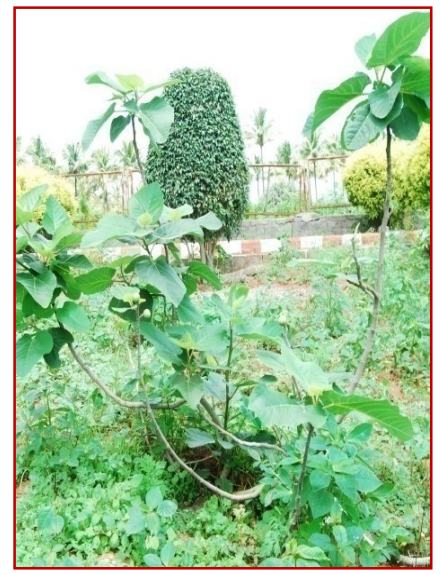
Guava Meadow Orchard



Mango Meadow Orchard



Custard Apple Orchard



KokamJamun

Fig



Pomegranate

Dragon-fruit



Apple-Ber Orchard



Papaya Orchard



Banana Orchard



Ginger



Drumstick



Watermelon



Tomato



Capsicum



Brinjal



Beans



Bitter guard



Ridge guard



Coconut + Turmeric



Coconut + Papaya



Cucumber



Dolichos Beans



Yardlong Beans

Bottle guard



Okra

Soyabean



Intercropping of Ginger + Chilli



Intercropping Coconut + Ginger



Coconut + Coriander
Potato



Intercropping of S.Cane + Wheat+



Intercropping of Sugarcane + Groundnut



Intercropping of S. Cane+Soybean



Intercropping of Drumstick+ Brinjal



Intercropping of Soybean



Intercropping of Drumstick+ beans



Green Manuring in Coconut



Intercropping of Apple ber+ Ginger + Red Cabbage



Lotus Pond



Zucchini



Parsley



Lettuce



Broccoli



Nursery



Farm Pond



Improved machineries for Orchard



Store Room



Collection & Sales of farm produce

HIGHLIGHTS OF FARM

1. Automation of Irrigation :-

The entire farm is irrigated by using drip and other micro-irrigation systems. The automated drip irrigation system has been installed on an area of 25 Acres. The nutrients are applied through fertigation unit to most of the crops. The following crops are at presently irrigated by automated fertigation system. In near future all the farm will be brought under automation.

A. Crops :- 1) Sugarcane 2) Banana 3) Ginger

B. Nutrients :- 1) N 3) K₂O 2) P₂O₅ 4) Micronutrients

2. Automatic weather station :-

It is installed as per Skymet Weather Services PVT., LTD norms..Records daily observation *i. e.* Temperature, Humidity, Wind Velocity, Wind Direction and Rainfall.

3. Cold storage :-

The facility of cold storage is available in the campus for the preservation & storage of Agril. Produce. Mango & Banana are major crops for which cold storage is utilized.

4. Soil test based fertilizer management :-

Before the plantation or sowing of crops and onset of monsoon the soil is tested for application of the nutrients as per the nutrients available in the soil.

5. Seed production :-

A) Rabi Season 2019-20

Crop	Wheat	Variety	Phule Samadhan
Area	60 R	Season	Rabi- 2019 Planned
Date of sowing	Nov. 2019	Production	12.0 qtl.

6. Cropping System :-

A) Intercropping

Sr. No.	Crops	Sr. No.	Crops
1	Sugarcane + Soybean	6	Ginger + Papaya
2	Sugarcane + Wheat	7	Coconut + Ginger
3	Sugarcane + Maize	8	Appleber + Ginger
4	Soybean + Tur	9	Ginger + Chilli

5	Coconut + Vegetables (cucumber, bottle guard, cabbage, cauliflower & leafy vegetables)
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B) Crop Rotation

Sr. No.	Crops	Sr. No.	Crops
1	Soybean – Gram	2	Sugarcane – Wheat
3	Sugarcane – Summer Groundnut	4	Soybean – Wheat
5	Sugarcane – Summer Green Gram		

7. Mulching :-

A) Polythene Mulch :- in following crops

Sr. No.	Crops	Sr. No.	Crops
1	Capcicum	2	Tomato
3	Brinjal	4	Chilli
5	Cucumber	6	Cowpea
7	Ridgeguard	8	Bitterguard
9	Bhendi	10	

B) Sugarcane Trash Mulching - Sugarcane

C) Banana Leaves Mulching - Banana

8. Tissue Culture Crop Cultivated on Farm :-

1) Crop- Banana 2) Variety – G-9 3)Area – 1 acre

9. Meadow Orchard :

Sr. No.	Perticular	Guava	Mango
1	Variety	L-49	Alfanzo
2	Spacing	1 x 1.5 m	3 x 3 m ²
3	Area	2.14 R	20 R
4	No. of Plants	180	200

10. Spray Pumps :

1. Knapsack pump 2) Petrol pump 3) Electric pump 4) HTP

11. Skirting Bag :-

1) Crops:- Banana

12. Integrated Nutrient Management (INM) :-

A) Organic Manures

1	FYM	2	Vermicompost
3	Neem Cake	4	Cowdung Slurry
5	Green Harvest	6	Compost

B) Bio-Fertilizers

1	Azotobactor	2	Acetobactor
3	Rizobium	4	PSB

C) Inorganic Fertilizer

Sr. No.	Perticular	Sr. No.	Perticular
1	Urea	2	10:26:26
3	SSP	4	19:19:19
5	MOP	6	15:15:15
7	DAP	8	00:00:50
9	Micronutrients (Ca,Mg,MnZn,Mo,Co,Bo etc.)	10	Water soluble fertilizers (19:19:19,13:00:45,00:00:50)

D) **Green Manuring** :- 1) Sunhemp 2) Dhaincha 3) Cowpea 4) Gliricidia

13. IPM/IDM :-

A) **Coconut** :- For control of Black Headed Cater Piller

1) *Goniozus nephantidis* 2) *Bracon brevicornis*

B) **Sugarcane, Vegetables** :- For control of White Grub

1) *Metarizum anisopliae* 2) *Beveria bassiana* 3) *Verticilum lacani*

C) **Vegetables** : For control of seed & Soil born diseases

1) *Trichodarma sp.* 2) *Pacillomycin Paecilomyces sp.* 3) *Bacillus sp.* 4) *Pseudomonas sp.*

D) **Organic Pesticides** :- Nimark

E) **Chemicals** :- Chloropyriphos, Quinolphos, Di- Methoate, Cypermethrin, Nuvan, Confidor, Actra, Canon, Tata-Mida, Hamla, M-45, Bavistin, Contaf, Tilt, Sulphur, Antracol, COC, Score, Z-78, Streptocycline

14. Ripening Chamber :

1) Quantity :- 01(10'*10') 2) Crop :- Banana & Mango

15. Zero Energy Cool Chamber:- Storage of vegetables

16. **Tunnel Dryer** : For drying of agricultural produce.
17. **Vermicompost Unit** : 1) Compost unit. 2) Concrete Structure
18. **Water Storage Structures** : 1) Farm Ponds :- 02 2) Well :- 05
19. **Retail Counter**:-Sales of fresh fruits and vegetables available in campus
20. **Crop Museum** :- Kharif & Rabi



Automation of Irrigation System



Cold Storage



Automatic Weather Station



Vermi compost Unit



Farm Pond