

DEPARTMENT OF BOTANY



RECORD OF DEPARTMENTAL

FIELD TRIPS

2017-18

GOVERNMENT DEGREE COLLEGE

NARAYANKHED, SANGAREDDY- DIST.

POLYHOUSE FARMING

OBJECTIVE:

To provide training in practical management of polyhouse

To provide technical skills to establish small commercial polyhouse unit

To provide training in planting of seedling preparation of bed soil sterilization paste and disease management in polyhouse

To impart basic technical in production of different flowers crops in polyhouse like gerbera.


MODULE:

A polytunnel (also known as a polyhouse, hoop greenhouse or hoophouse, grow tunnel or high tunnel) is a tunnel typically made from steel and covered in polyethylene, usually semi-circular, square or elongated in shape. The interior heats up because incoming solar radiation from the sun warms plants, soil, and other things inside the building faster than heat can escape the structure. Air warmed by the heat from hot interior surfaces is retained in the building by the roof and wall. Temperature, humidity and ventilation can be controlled by equipment fixed in the polytunnel or by manual opening and closing of vents. Polytunnels are mainly used in temperate regions in similar ways to glass greenhouses and row covers. Besides the passive solar heating that every polytunnel provides, every variation of auxiliary heating (from hothouse heating through minimal heating to unheated houses) is represented in current practice. The nesting of row covers and low tunnels inside high tunnels is also common.^[1]

Polytunnels can be used to provide a higher temperature and/or humidity than that which is available in the environment but can also protect crops from intense heat, bright sunlight, winds, hailstones, and cold waves. This allows fruits and vegetables to be grown at times usually considered off season; market gardeners commonly use polytunnels for season extension.^[2] Beyond season extension, polytunnels are also used to allow cold-hardy crops to overwinter in regions where their hardiness is not quite strong enough for them to survive outdoors. Temperature increases of only 5 to 15 °C (9 to 27 °F) above outdoor ambient, coupled with protection from the drying effect of wind, are enough to let selected plant varieties grow slowly but healthily instead of dying. The effect is to create a microclimate that simulates the temperatures of a location several hardiness zones closer to the equator (and protects from wind as well).

Every factor influencing a crop can be controlled in a polytunnel. Polytunnels are often used in floriculture and plant nurseries, as the revenue value of the plants can justify the expense.

In recent years the true adaptability of polytunnel structures has been realised by adapting them to suit livestock housing. It is now commonplace in the UK to see polytunnels used for housing sheep, alpacas, goats, calves and poultry.

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Conclusion:

Our trip ended about 1.00 PM. It can be concluded that our field trip was successful and we believed that our objective of field trip was achieved. We learn about new things farming a verity of farming with innovative ideas.

R. H. *[Signature]*
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List of Students participated in Field trip

S.no	NUMBER OF	STUDENT NAME	Signature
1	602015445501	K.PRABHU	K.Prabhu
2	602015445502	N.DURGA PRASAD	N.Durgaprasad
3	602015445503	P.SAMPOORNA	Sampoorna
4	602015445504	CH.RAMBABU	Ch.Rambabu
5	602015445506	N.RAJESH	Rajesh
6	602015445507	P.KALPANA	Kalpana
7	602015445511	P.BHOJI REDDY	P.B.Reddy
8	602015445512	G.VIJAYALAXMI	G.V.J.Laxmi
9	602015445517	G.DURGAMMA	G.Durgamma
10	602015445520	K.PRAMEELA	K.premala
11	602015445524	T.ROJA	T.roja
12	602015445526	CH.YADAMMA	Ch.yadamma
13	602015445527	M.PRIYANKA	M.priyanka
14	602015445528	J.YAMUNA	J.yamuna
15	602015445531	G.RAJA LAXMI	G.rajalaxmi
16	602015445532	N.SUDHAKAR	N.sudhakar
17	602015445533	K.PUSHPALATHA	K.pushpalatha
18	602015445535	E.BHARGAV	E.Bhargav
19	602015445536	S.ANUSHA	S.ANUSHA
20	602015445537	S.KALPANA	S.Kalpana
21	602015445539	B.ANURADHA	B.Anurada
22	602015445540	K.LATHA	K.Latha
23	602015445541	B.NARSAMMA	B.Narsamma
24	602015445542	V.REKHA	V.Rekha
25	602015445543	G.PRIYANKA	G.priyanka
26	602015445545	CH.SWAPNA	Ch.Swapna
27	602015445546	A.NAVEENA	A.NAVEENA
28	602015445547	P.RAJITHA	P.rajitha
29	602015445548	K.GANDHI	K.Gandhi
30	602015445550	S.MANI	S.Mani
31	602016445501	A.VENKAT	A.Venkat
32	602016445502	A.SWETHA	A.SWETHA
33	602016445503	A.LAXMI	A.Laxmi
34	602016445504	B.PRAKASH	B.Prakash
35	602016445505	B.MEGHMALA	B.MEGHMALA


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