



TURBO DRIPPER
4 / 8 /14 LPH



AQUARIUS PCND DRIPPER
4 / 8 LPH



K-GOL DRIPPER
2 / 4 LPH



K-GOL PC DRIPPER
2.5 / 4.5 LPH



K-LIN DRIPPER
1.2 / 2 / 4 LPH



K-LIN PCND DRIPPER
1.6 / 2.2 / 3.4 LPH



KOTHARI[®]
— IRRIGATION —

EXCELLENCE IN COTTON PRODUCTION TECHNOLOGY ONLY WITH KOTHARI DRIP IRRIGATION

Cotton is an important cash crop of India. Cotton crop is cultivated both as rain fed and irrigated condition. In India, cotton is cultivated mostly in rain fed regions. In production of cotton India is in third place after China and America. In India cotton is produced in Maharashtra, Andhra Pradesh, Karnataka, Tamil Nadu, Punjab, Haryana, Rajasthan, Gujarat, Madhya Pradesh, etc. In India cotton is produced on 117.27 lakh hector of land. But on an average the production is very less almost 557 kg per hector. To get good production of cotton, it is very important to use appropriate method of irrigation and fertilizers.

Modern world class method of Kothari Drip Irrigation is very useful for management of irrigation for cotton crop. Kothari Drip Irrigation enables water and fertilizers to be equally supplied to the roots of the plants which creates suitable atmosphere for the growth of plants and increases the production.

Benefits of Kothari Drip Irrigation for the Cotton Crop

- 1) Kothari Drip Irrigation is based on Israel technology, so helps to supply equal amount of water.
- 2) With the help of Kothari drip Irrigation faster and equal growth can be achieved with minimum use of water.
- 3) Good control can be held over every stage of growth of cotton crop.
- 4) There is equal growth of crop as well as flowers and buds.
- 5) Buds don't get dirty with mud as water is supplied in the root zone and hence we get clean and good quality of cotton.
- 6) Growth of weeds is lessened. Spread of pests and diseases is lessened.
- 7) Every work becomes easy with Drip Irrigation, along with the supply of fertilizers and water, cotton collection and spraying can be done.
- 8) Increase in production.

Pre-Season Cultivation

In Maharashtra, agriculture universities have recommended pre-season cotton for good production. Farmers having sufficient supply of water can cultivate pre-season cotton. Pre-season cotton is cultivated between 15 to 20 may. During this period temperature is around 40° to 45° C. Even water availability is less. So to cultivate cotton on maximum land with minimum and accurate use of water Kothari Drip Irrigation is very useful. Cotton gives good response to irrigation and fertilizer management.

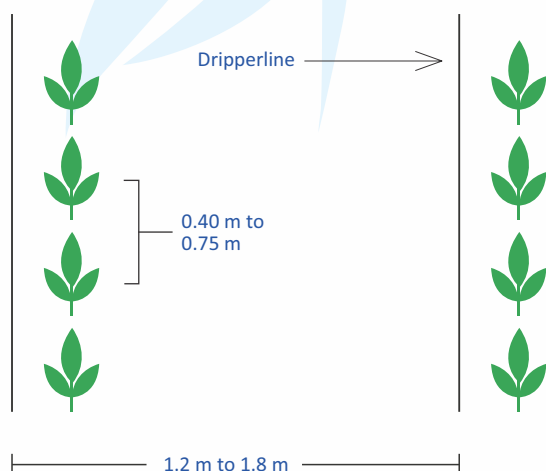
Cotton Cultivation

Soil: Cotton crop requires medium to heavy soil with good drainage. You can get good yield even in lighter soil with the use of Drip Irrigation. Cotton is salinity tolerant crop so it can be grown in particular saline land with appropriate management. pH— 5.5 to 7.

Transplanting : Roots of the cotton plant go deep into the soil so it is very important to loosen the soil. During second harrowing, mix manure in the soil. For good cotton yield, if the cultivation is done on soil beds then water drainage is good and crop grows faster. So according to the type of soil prepare soil beds of 25 to 30 cm in height at the distance of 4 to 5 ft.

Drip Selection : Choose Kothari Inline Drip Irrigation method for cotton crop. Distance between the two drippers and its flow should be chosen according to the soil type.

Type of soil	Distance between the drip	Drip flow per hour
Heavy	50 to 60 cm	2 to 4 litres
Medium	40 cm	2 litres
Light	30 cm	1.2 to 2 litres



Cultivation Method: Cultivation on Drip Irrigation should be done in Single Line Method. Depending upon the type of soil and distance between the two lines should be 4 to 5 ft and between two cotton plants it should be 40 to 75 cm. In Hybrid Type, keep the number of plant from 3500 to 5000 as recommended. One day before cultivation keep the drip open and do the cultivation after moisture is maintained.

Water Management: Cotton has Taproot System. Even though taproot grows deep into the soil the efficient roots are at the depth of only 1 ft. More than 70 % of nutrients and water is absorbed through this range only.

Cotton requires less water from the time of sowing till the growth of leaves. Do not water more during this period. During growth period if water is supplied in more quantity plants grow but number of growing buds is less. Requirement of water increases at the time of flowering. At the time of filling of buds requirement is more. 50 % of water is saved with the use of Drip Irrigation. Water can be supplied to the cotton crop according to the need and below given guidelines.

Serial no.	Time period	Water requirement
1	May to July	1.25 to 2 litres per tree
2	August to October	3 to 7 litres per tree
3	November to December	3 to 4 litres per tree

Fertilizer Management: Use of chemical fertilizers like 100 kg Nitrogen, 50 kg Phosphate and 50 kg Potash per acre is recommended for Irrigated cotton. Use fertilizers according to the chart given below and depending upon change in soil, climate and type make the necessary changes.

Time to supply fertilizers	Quantity of fertilizers (kg)		
	Nitrogen	Phosphate	Palash
At the time of cultivation	-	25	15
10 to 15 days after cultivation	30	-	-
30 days after cultivation	40	25	25
45 to 60 days after cultivation	30	-	20
	100	50	60

Through Drip Irrigation it is easy to supply soluble fertilizers and it is also beneficial to use soluble fertilizers. Cotton crop gives good response to the chemical fertilizers. When deciding about the quantity of fertilizers consider the type of crop, stage of growth, availability of elements in the soil, etc. soil testing should be done. For more information, contact agricultural expert of Kothari Agritech on mobile no. 9545552988.

KOTHARI[®]

KOTHARI AGRITECH PVT. LTD.

REGISTERED OFFICE : 8516/11, Level 3, Sun Plaza, Subhash Chowk, Murarji Peth, Solapur- 413 001(MH). **Ph.:** (0217) 2721490

CORPORATE OFFICE : Ramsukh House, 203, Level 2, Near Thube Park, Ganesh Khind Road, Shivaji Nagar, Pune – 411 005, (MH).

Contact : +91 9307300390 | enquiry@kotharigroupindia.com | info@kotharigroupindia.com

Toll Free No. : 1800 120 4343 | www.kotharigroupindia.com