



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 POMEGRANATE CULTIVATION ONLY WITH KOTHARI DRIP IRRIGATION

Kothari agritech Pvt Ltd. is an ISO 9001: 2008 certified company. Keeping in mind the long-term requirements of the farmers, the pipes required for farming, material for drip irrigation and its spare parts etc are manufactured here. Kothari agritech is known for its after sales service for the customers, high quality and reliable products.

Pomegranate is an important fruit crop in the tropical climate. Pomegranate is very popular due to its marvelous taste and medicinal properties. Pomegranate is originally from Iran, but large scale cultivation of pomegranate is done in the countries like Spain, Morocco, Egypt, Iran, and Baluchistan. To some extent, the pomegranate is cultivated in Burma, China, Japan, America, and India. Pomegranate is mainly cultivated in the state of Maharashtra. It is also cultivated in the states like Andhra Pradesh, Uttar Pradesh, Tamil Nadu, Karnataka and Gujarat.

Benefits of Kothari drip irrigation to the pomegranate crop

- 1) Kothari drip irrigation is made up of latest technology from Israel, so it makes easy to keep proper air, water and nutrients balance in the soil.
- 2) Pomegranate is most tolerant to the drought like situation. If irrigated properly, the production increases.
- 3) Due to use of Kothari drip irrigation, the size, weight increases and its skin gets an attractive colour.
- 4) Excellent control can be kept during the crop rest period (Bahar) by using Kothari drip irrigation.
- 5) Balanced use of fertilizers and proper water management can be done because of Kothari drip irrigation, which prevents unnecessary growth and it results in increased yield.
- 6) Roots are developed in better way due to Kothari drip irrigation.

Cultivation of pomegranate

Climate: 1) cold in winter and hot and dry summer climate is required for successful cultivation of pomegranate. It requires hot, dry weather and needs a lot of sunlight from flowering and fruit bearing stage. 2) If the temperature is below 11°C, there might be harm to crop. 3) If there is humidity in the air during the fruit development, the quality of the fruit is affected and it gets diseases and fungal infections. 4) For fruitbearing, temperature up to 38°C is necessary.

Soil: you can cultivate pomegranate in all kinds of soil, but light to medium quality of soil with proper drainage is more suitable. Pomegranate can be cultivated in medium to light black soil, but the colour and quality of fruit is more attractive in light soil. PH should be 6.5 to 7.5. You can plant it in slightly saline and lime soil

Soilpreparation: The soil should be crosswise Ploughed and Harrowed. Then dig pits of the size 45x45x45 cms. Fill the pits with 10 to 20 kg of manure. Then plant pomegranate seedlings(Grafts).

A) Kothari drip irrigation plan for pomegranate. (inline)

Since the most efficient roots of the pomegranate are 30 to 60 cm deep, if the drip irrigation with less flow and low distance is used, it increases the efficiency of fertilizers and water. Inline drip irrigation of Kothari agritech should be used for substantial and high quality yield of pomegranate. Two inlines should be used per each line of pomegranate. The distance between two drippers should be 40cms to 50 cms and the flow should be 2 to 3 lts/hour.

Benefits of Double inline drip: since there is drip line on both sides of the plant, the depth of irrigation in the soil is controlled. It prevents leaching of fertilizers and it increases their efficiency. Root growth is also good.

A) Use of Kothari Online (button) drip for pomegranate

There should be a drip lateral per row of pomegranate. 2 drippers with the flow of 4lts/hour and later 2 additional drippers after 2 years, so, total 4 drippers/plant should be installed.

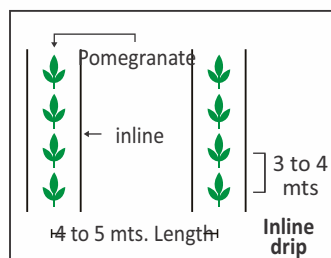


Figure 1

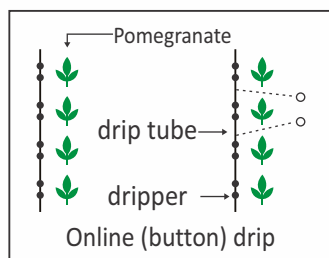


Figure 2

Manure and Fertilizers: while cultivating the pomegranate plants / tree 20 kg manure and 100 gmsneem cake must be applied.

After cultivation

4 months: 10 kg compost and 125 g neem cake.

7 months, 10 kg of compost and 250 g neem cake.

11 months later: 10 kg of compost and 750 g neem cake.

Seedling age in years	manure/ compost/ kg	Gms/plant/year		
		N	P	K
1.5 to 2	10-20	250	125	125
2.5 to 3	20-30	500	125	125
3.5 to 4	30-40	500	250	250
5 and more	50	625	250	250

Note: micro nutrients should be given as 100 g / plant 2) apply magnesium sulphate, ferroussulphate and zinc sulphate 15 kg per acre. 3) 50 g per tree humic acid granules. 4) If you use 0.1% of borexit prevents fruit loss.

water Management

Though there is drought tolerance in pomegranate to some extent, if proper water management is done, the crop responds well.

- 1) After pomegranate cultivation, initially it requires constant but light amount of water, which leads to new developments.
- 2) For proper rest to the pomegranate plants stop watering for 1.5 to 3 months.
- 3) During the development of fruit it requires constant supply of water. If the water is less or more, the fruit gets damaged.
- 4) The interval between two Irrigation water can be decided as per the type of soil. (Daily or after 1 or 2 days)

Guide chart for water management through drip irrigation.

Period	Requirement of water lts./plant/days	Period	Requirement of water lts./plant/days
January	17	July	22
February	18	August	20
March	31	September	20
April	40	October	19
May	44	November	17
June	30	December	16

Note: The above table is for guide purpose only, and the required changes may be done as per the change in the weather conditions.

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