

# Mulching films

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## **About Mulching films**

Mulching films are extensively used in agriculture for protecting the crops from weeds, maintaining soil moisture, and improving cold tolerance. These are typically made from LLDPE.

## **Types of films**

Mulching films can be colourless or pigmented:

- Black films minimize the growth of weeds, reducing the use of agrochemicals
- Aluminized or white films increase the reflection of light towards the low parts to the plants
- Other colours are used for more selective purposes, such as to attract or repel certain insects.

## **Process**

LLDPE granules are fed to the extrusion line, where the granules are melted and pumped out of a die in the form of a tube. The tube is then inflated to take shape of a bubble. The bubble formed is collapsed and drawn upwards by two nip rolls winding the flattened tube on a winder to make mulching film rolls.

## **Budget**

The total budget required for setting up a mulching film plant is less than Rs. 2 Crores. The budget is inclusive of working capital requirements, plant and machinery and related infrastructure.

## **Report coverage**

1. Market analysis – (info on Potential user industries, market size, growth factors, etc.)
2. Competitive landscape (Info on: Products, pricing, etc.; on current market players in the target location)
3. Location analysis (with a view to source raw material and to reach market)
4. Raw material sourcing from various locations, suppliers, Quotes from suppliers
5. Approvals and Regulatory requirements (including applicable standards)

6. Machinery required / Quotes from suppliers
7. Advice on initial viable scale of business
8. Capital requirements, profitability
9. Profitability projections for the coming years

**Contact details**

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