

## **AGRO SHADE NET PROJECT PROFILE - Tape x mono product**

### **1. PRODUCT BRIEF**

In the field of Technical Textiles, agriculture is one of the end use sector of national interest. In the agricultural arena various textile base products are used, some are general-purpose industrial application products and some are specialized structures exclusively designed for agricultural applications (Agro textiles). Agro shade net is one of the most popular product in India. Agro shade nets are used in horticulture, floriculture, green house/poly house, forestry and farming arena to protect plantation from the sun in order to ensure healthy plant growth and good harvest.

The main agro shade net is a knitted fabric structure manufactured from polyethylene, Polypropylene polymer that is either tape or monofilament forms etc. Appropriate UV stabilizers are incorporated in base polymer so as to impart Ultra Violet stability property to the shade net structure.

### **2. PROJECT PROFILE BRIEF – Tape x Monofilament Product**

<b>SN</b>	<b>PARTICULARS</b>	<b>DETAILS</b>
1	Product	Shade Net
2	Application	Horticulture, Floriculture, Poly House Green House, Nurseries, Forestry
3	Indian Market Scenario 2007-2008 2012-2013	Rs. 487 Crores Rs. 751 Crores

	2016-2017 (Projected)	Rs. 1869 Crores
4	Technology <ul style="list-style-type: none"> <li>• Knitted nets</li> </ul>	Raschel Knitting
5	Raw material	HDPE (UV Stabilised)
6	Product type	Tape x monofilament nets
7	Process sequence	Polymer → blown film extrusion →slitting → knitting Polymer → Monofilament spinning →warping → knitting
8	Total Project Cost	Rs. 9.75 Crores
9	Production capacity	23000 mts/day
10	Sales Realisation	Rs. Lakhs 1275
11	Cost Of Production	Rs. Lakhs 936
12	Gross Operating Profit = 2	Rs. Lakhs 339
13	Net Profit	Rs. Lakhs 147
14	Break Even Point	54.08 %
15	Cash Break Even Point	40 %
16	I.R.R.	37%
17	Return On Investment	45%
18	Payback Period	4-5 Years