



IS 16513 : 2016 Agrotextiles — Insect Nets for Agriculture and Horticulture Purposes

Insect nets are widely used in various agriculture and horticulture applications to protect vegetables and fruits from small insects such as aphids, whitefly, carrot fly, cabbage root fly, caterpillars etc. It also allows adequate sunlight, air and water for better growth of plants.

An insect nets has to be durable, provide effective pest protection, and resiliency against weather conditions, including UV exposure. Good quality insect nets should have a uniform and stable mesh structure that effectively blocks pests while maintaining good air permeability and to prevent overheating. Additionally, it is important that, nets maintain their structural integrity over time, ensuring a cost-effective solution that remains effective through multiple growing seasons.

This standard specifies the important parameters such as mass, mesh size, breaking and bursting strength, and resistance to UV degradation are important for ensuring reliable, long-term performance of the product, effective pest protection and adequate ventilation for crops.

This standard specifies three types of insect nets based on their mesh size (30, 40 and 50 mesh) which allows users to select nets best suited for different pest sizes and crops, while UV retention specifications assure consumers of the net's durability and longevity. Together, these standards help guarantee that insect nets meet agricultural needs effectively and reliably.