

# Hy-Tex Agrotextile Nets and Meshes

## Knitted & Woven Monofil Nets

A comprehensive range of robust knitted and woven monofilament nets and meshes for windbreak, shading and hail protection.

A suitable windbreak, set at a right-angle to the prevailing wind, will protect plants against the harmful effects of blustery weather - which can break young branches, damage flowers and cause leaves to dry or tear. They can also be used to block sand and salinity as well as reduce wind erosion.

The nets also protect against frosts and help enhance the micro-climate (Photosynthesis, and ground moisture, is improved by reduced evaporation and transpiration).

While special anti-hail net grades have been designed to withstand the impact of heavy hailstorms, when installed in roof-profile above crops and orchards. This not only safeguards the current harvest but also benefits future crops, since the woody part of the plant is protected too.

Anti-hail nets also offer protection against frost, which crystallises on the netting instead of on the plants, and the denser grades provide light shade and windbreak protection as well.



### Avoid Wind Turbulence

The optimum efficiency of a good windbreak is achieved with 50% air permeability - denser barriers potentially create damaging air turbulence, as the wind tends to roll over the top rather than diffuse through the net.

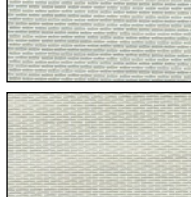
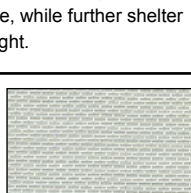
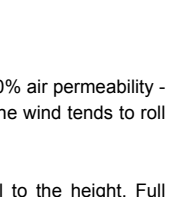
### Wind Shelter Distance

The area of protection offered by a windbreak is proportional to the height. Full protection is offered for a distance 4 times the height of the fence, while further shelter at 66% effectiveness is provided for an extra 8 times the net height.

**Woven Insect Meshes** Clear, woven, and knitted, polyethylene monofilament meshes to exclude harmful insects from greenhouses and tunnels, or to keep pollinating insects inside.

The fine woven screens protect plants from insect attack (without the use of insecticides) that can cause viruses, malformation, damage and reductions in both quality and quantity.

Insect meshes can also be placed over the openings of greenhouses to prevent pollinating insects, such as bumblebees, from escaping.



**Knitted Tape Nets** Knitted flat tape nets are available in a wide range of densities for shade, reduced sunlight intensity, fruit support, privacy screening and animal protection.

The nets are practical, economic and easy to install; creating ideal growing conditions by avoiding overheating, scorching and moisture loss.

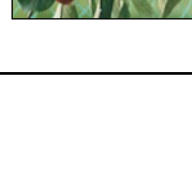
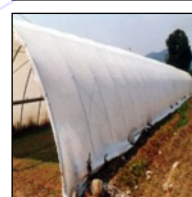
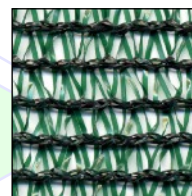
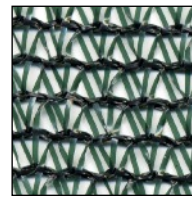
The low shade factor nets are used for growing vegetables, while those with medium light-reduction/screening offer ideal conditions for storage areas, cultivating flowering plants/houseplants and acclimatising plants moved out of greenhouses.

The densest net grades are used for enclosures; to create shaded areas for animals; and as privacy screening (Especially to camouflage chain-link fencing).

There are also milk white, and two-tone, grades to block sun rays without significantly reducing light levels.

The AG TAPE FS range, are designed for inside use - such as greenhouses and perishable goods storage areas. Their low weight also means they can be laid directly onto plants.

The more robust and durable AG TAPE OM range can be used both inside and out, and are ideal for use in open fields, and exposed places, such as hardening-off areas.



**Knitted Bird Nets** Hy-Tex AG BIRD knitted monofilament nets offer effective passive protection of seeds, crops and fruit against damage caused by birds and a variety of pests.

The special open structure repels birds, provides minimal shading and excellent air circulation - allowing plants to flourish, whilst avoiding the risk of dangerous mould developing on the fruit.

The light, tough, soft, knitted polyethylene, diamond meshes conform easily to irregular shapes and are simple to install (supported by basic post and wires frames, or draped directly over the crops).

The insect meshes may be used on a range of structures, including loose covers, or rigid barriers, for field crops, screens for glasshouse doors and ventilation windows, internal sections for greenhouses and as large tunnel covers.

A range of mesh sizes have been developed to control different insect species, whilst maximising light penetration and balancing ventilation requirements.

AG INSECT POLL contains pollination insects.

AG INSECT 8/5 protects against aphids.

AG INSECT 16/10 protects against whitefly.

AG INSECT 20/10 protects against bemisia tabaci.