RETIFICIO PADANO S.r.l.

ANTIHAIL and SHADING NET SYSTEM FOR VINEYARD

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ADVANTAGES OF USING THE ANTIHAIL NET:

- PROTECTS FROM THE HAIL and/or SUNBURN
- PROTECTS FROM BIRDS AND UNGULATES
- The insurance covers only part of the damage but YOU LOSE:

- **the production or part of it.**
- **Your CUSTOMERS, if you do not have enough product and may not return.**
- **Part of PRODUCTION FOR THE FOLLOWING YEAR as the plants would be damaged by hail.**

In France the demand for anti-hail nets has increased exponentially since the big producers want to keep the flavour of the wine the same as that of previous years, and as you know, hail alters the taste.
Some customers who have already used our nets:

- **BAROLO CONTERNO**
- **BELLAVISTA**
- **BIDENDUM**
- **BOTTENAGO - SCOLARI**
- **BUGLIONI**
- **CA'RUGATE**
- **CAMPOCHIARENTI - MEDAN**
- **CONTRATTO**
- **FERRARI**
- **FOSS MARAI**
- **MARCHISIO**
- **MEROTTO**
- **MONTE ZOVO**
- **PIO CESARE**
- **PODERE FORTE**
- **REDORO**
- **ROCCOLO GRASSI**
- **RUSSOLO**
- **SCRALECA**
- **SELLA**
- **TAMBORINI VINI**
- **TENUTA TRINORO**
- **VALLEPICCOLA**
- **VINATTIERI TICINESI ecc..**

RETIFICIO PADANO has over 30 years of experience in manufacturing vineyard nets.

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MAIN FEATURES:

This innovative management system of anti-hail nets combines classical and effective protection against hail considerable other of the backrest management advantages, such as:

The protection of young herbaceous shoots still fragile and the wind in spring.
- Reduction of vegetation management cost in the growth phase as it is not necessary to insert in the first pair of wires are the branches
- Fast upward growth of the shoots with reduction of the foliar clumping of the plants
- Possibility to easily lift and lower the net during all phenological stages, allowing targeted shoot thinning, defoliation, and cluster thinning
- Pruning with mechanical toppers
- Protection of the grapes from sunburn
- Easy mechanized harvest even with self-propelled and towed machinery
- Savings of insurance policy
- Protection from birds and ungulates
- The nets can be linked in winter
- The correct positioning of the net tested through practical and stable net-tension systems (ENO-KIT).
- Shading of the cluster strip with a significant reduction in summer sunburn.
- The shading of the cluster band with significant reduction in summer sunburn especially on sensitive varieties such as Pinot Grigio, CHARDONNAY, BAROLO, MERLOT, CORVINA etc.
- The containment of the vegetation

The nets are extremely simple to install and very economical, for a simple system, if for example, we consider a line of 200 mt. need:

- 200 meters of nets, high about 90-125cm.
- N ° 2 net tensioner kit to install on the first and end posts of row.
- About 200 clips to attach the net to the wires.

END-POST KIT FOR CORRECT NET TENSIONING

The Header Kit is the device that guarantees the fixing and **tensioning of the nets** at the head of the vineyard rows and its correct tensioning.
There are various systems for tensioning the net well, always with some KIT supplied by us and to be applied on the head piles.

- KIT "EVO G": it adapts to all types of head poles, made up of two aluminium tubes, elastics and tube guides "G".
- KIT "EVO SV": composed of two aluminium tubes, two “L” shaped brackets to support the tubes.
- KIT "ENO": it is suitable for all types of head posts, made up of three elastic bands, carabiners and clips. Verry cheap.

KIT EVO “G”

KIT EVO “SV”

KIT “ENO”

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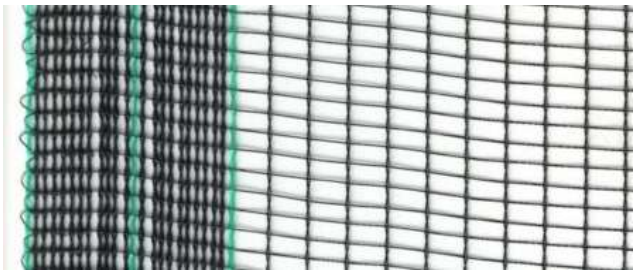
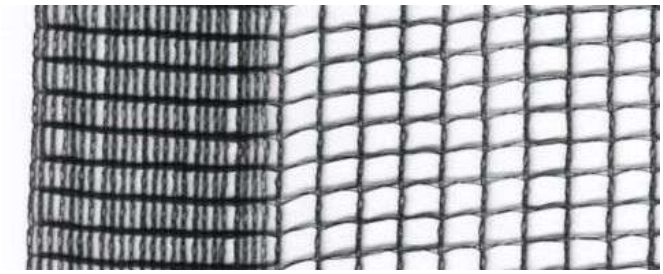
THE NETS

We have two types of anti-hail nets for the vineyard:
- Raschel weave, knotted and run-proof - the most suitable.
- Flat or leno weave.

The nets are produced with two lateral selvedge's and a central reinforcement, particularly resistant.
Experience shows that only **black nets made with virgin HDPE** can last over 15 years, although durability also depends on dust and chemical residues deposited on the net, not just UV protection. Must be noted that it is not only the protection from UV rays that affects the duration, but also the presence of dust and chemical products deposited on the net.
Normally 90-125 cm high nets are used and are supplied in rolls of 500 m.
The most used net is the Raschel or knotted one, tearproof and non-laddering; as the wires do not move when lifting or collecting the same.



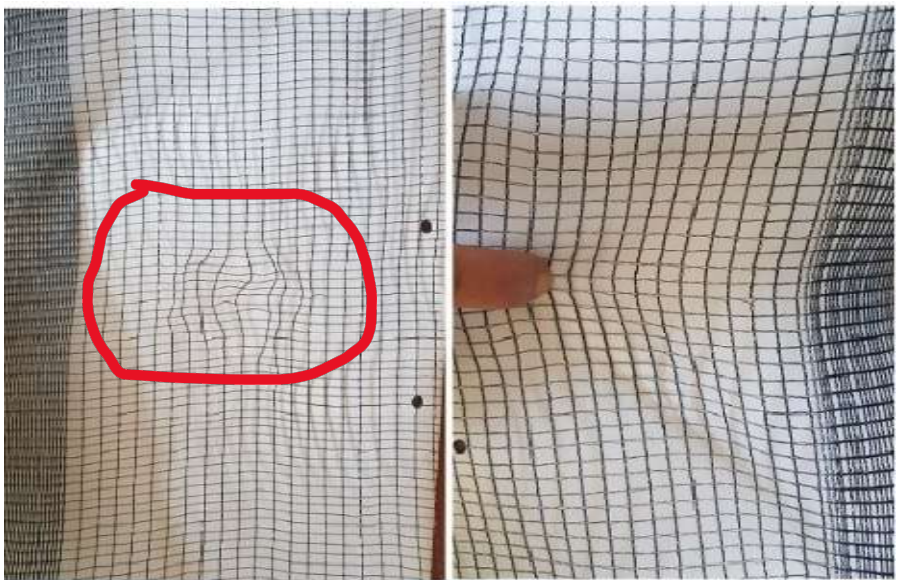
ANTIHAIL LENO WEAVING



ANTIHAIL KNITTED NETS

In monofilaments of virgin HDPE UV treated.
Shading 10-20 %
Colour Black - U.V. 700kly
Widths: 50cm to 150 cm
Reinforcements: N° 2 on the two sides and one in central.

DIFFERENCE BETWIN THE TWO TYPES OF NETS:



LENO NET WITH STRETCH MARKS KNITTED NETS NO STRETCH MARKS

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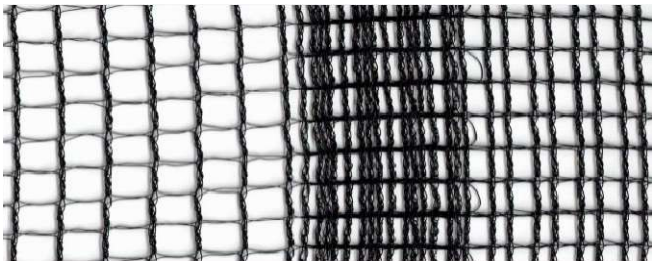
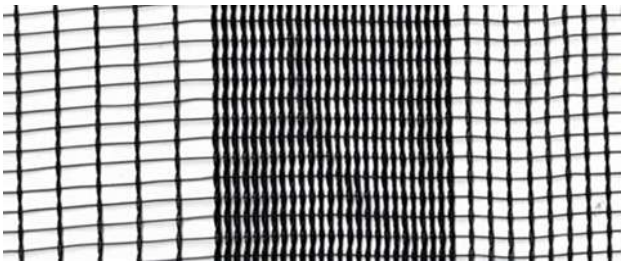
NEW: PATENTED

Due to strong climate changes, in recent years, there has been a significant rise in temperatures, which were once rare. The days of intense heat in Europe are increasing and the vines and bunches of grapes in particular are suffering, as they are increasingly subject to necrosis caused by intense solar radiation. From here comes the idea of creating a special net that acts both as an ANTI-HAIL net but also as a SHADING net. Our net art. 532 VIN-MID with both a warp-knitted Raschel weave and a Leno weave (Leno) art. VIN-MID/L, where the upper part of the net has a wider mesh and acts as an anti-hail net, while the lower part, which covers the bunches of grapes, has a tighter mesh that increases the shading, preventing possible sunburn. These two types of nets can also be applied to other types of crops where it is necessary to have an anti-hail net but also a part that can shade and reduce solar radiation.



Art. 532 Rete Raschel "VIN-MID"



Leno Net "VIN-MID/G"

NET: ½ HAIL PROTECTION + ½ SHADING
Material: Virgin UV-stabilized HDPE
Shading: 15-30%

TITANIUM WHITE SHADING NET.

We also have a titanium white reflective net, with a non-run weave, which if installed only on the side of the row, most exposed to the sun, significantly reduces sunburn and also protects against hailstorms. Shading approximately 25-30%

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ACCESSORIES for NET FIXING

These accessories have been designed specifically to attach the nets to the above wire, allowing you to maintain the well-supportive nets to rows of grapevines.

MAC 3

ANCORPLACK

"AMO/S"

"MSC"

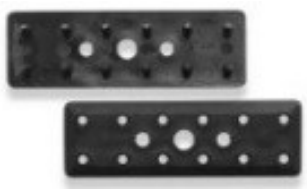
Clip "C"

To tie the net in winter and other accessories:

LEGO da 26cm

ENOLEGO

Nail to close the nets


Clip to join the nets

HOW TO STRETCH OR ENLARGE THE NET

To keep the net taut even in the lower part, you can use SPRINGS for NET TENSIONERS to be applied on the pole (whether in wood, concrete or metal) one every 7-8m, these can be mounted under the net to stretch it, tighten it or to widen it.
The Widens spring, positioned on the intermediate posts at half height of the net, keeps it more open in the center, spacing it out of the bunches.
The two springs adapt to all types of poles.

Spring for tension net

Spring for widens net

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