

SHELTER FRAME 5 x 5 m

LOMBARDA SERRE has designed this type of structure in order to support shading/anti-hail nets. With this system, any type of crop remains protected from the sun and hail.

STRUCTURE: uprights, crosspieces and braces are all made of **hot galvanized $\varnothing 60 \times 2$ mm tube**.

The joining of the uprights with the crosspieces is done by means of strong hot galvanized joints, forming a cubic mesh of 5 x 5 m. To fix the uprights to the ground, the same stakes already tested for the tunnels and the multiple tunnels are used.

CROSS BRACING: very important elements for the stability of any structure, they are always positioned in an oblique position, between the first and the second upright of each row.

NETS: whether an anti-hail type net is used rather than the thicker shading net, they are both warp-knit with the **RASCHEL** system, so as to be run-resistant. The nets are supplied with an excess width of 2.50 m and length of 0.50 m with respect to the total dimensions of the shelter.

ASSEMBLY: In designing what has been described above, **LOMBARDA SERRE** has dedicated part of its research to the cost-effectiveness and simplicity of the assembly both as regards the structural aspect and the extending and collection of the nets. This last operation is in fact carried out every year and thanks to the use of simple metal clips, around the perimeter and galvanized nails that "sew" the nets onto steel cables for the central rows, it is not necessary to employ specialized labour.

SAFETY: A special iron hook links the nets to the centre. This particular accessory, also offers the important option of unhooking the net if it is subjected to excessive load due to the weight of the hail. Once the hail has been "discharged", in the central corridor of the shelter where there are no plants, just reposition the hooks in order to restore the protection of the crops.

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