New Zealand Young Viticulturist of the Year 2023

Education Day



resilience:

"an ability to recover from or adjust easily to misfortune or change."

-Merriam-Webster Dictionary

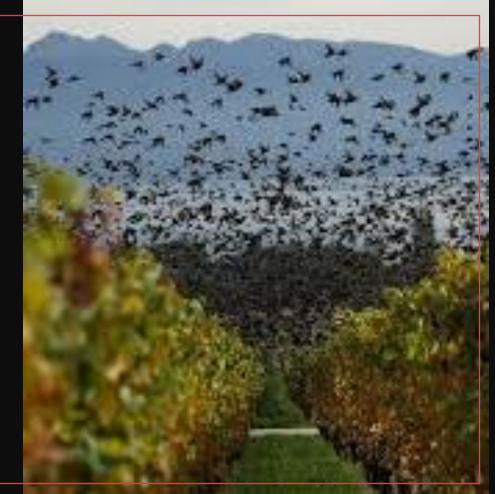


It's just that sometimes, you have to be more resilient than others...





...especially when your business relies on Mother Nature.







And more recently, some of our growers have certainly had their resilience tested.





So how can Empak help?





RECYCLING



We are able to offer a recycling option for damaged nets, through Plasback, a company we work closely with, and even share the same Christchurch office.







RECYCLING



The rules for recycling nets are:

- Over Row/Multi Row vine nets are acceptable
- Side netting are NOT able to be recycled
- Nets must be rolled up
- NO inner cores in them
- Nets need be as clean as possible and free of debris

Plasback will also take irrigation pipe for recycling, as long as it is rolled up and tied with pipe tie twine. (Empak can supply the twine).

Contact Plasback direct on 0508 338 240.

NB: They will ask for photos of the nets.



Types of Vineyard Nets





Side Nets

- Economical to purchase
- Limited outlay in machinery
- Easy removal
- Small hole size
- Both sides of row need to be netted
- Must be secured top, bottom and in between vines





Single Row

- There is limited outlay in machinery
- Minimal labour cost to install
- Good bird protection
- Best netting for small blocks and steep slopes
- Not suitable if you need to work under the nets





Over Row or Multi Row

(Can be Made to Order)

- Quick to apply and remove
- Very good bird control
- Low labour requirement
- Application machinery required
- Can use contractors with machines





Multi Row Lockout

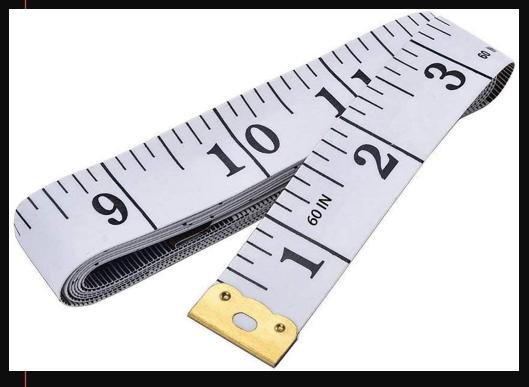
(Made to Order only)

- Very secure bird control net
- Overlapped and tensioned for complete lockout
- Low labour required once applied
- Less net needed to cover vines
- Machinery must be used





How to Measure Nets





CALCULATING WIDTHS

Step 1: Take the number of rows to be netted - 1. (Therefore 4 rows = 3 spaces). Add the total measurements of the spaces together.





CALCULATING WIDTHS

Step 2: Add on 2 X Canopy Height

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CALCULATING WIDTHS

• Step 3: Add on 2-3m (to have nets sitting on ground with approximately 1m each side)

Note: With wide rows of over 4 rows per net, a wider net may be required due to the draping of the nets between rows, therefore allow an additional 3m to 'Step 3' above.



• Example A

Four rows to net at 2.4m spacing and 2.2m height calculates as:

3 x 2.4 + 4.4 + 3 = 14.6m

Therefore, 15m wide net would be most suitable.

EXAMPLES





EXAMPLES

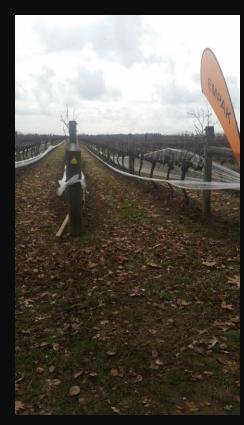
• Example B

suitable.

Six rows to net at 1.9m spacing and 2.0m height calculates as:

5 x 1.9 + 4.0 + 3 = 16.5m

Therefore, 17m wide net would be most



CALCULATING LENGTHS



• Step 1: Measure length of row from anchor point to anchor point and add 6-10% per length.

Note: If the ends of the row(s) are at an angle on one or both ends (not a square block) take the longest length between the first row of the block and the end point of the longest row at the opposite end. If this is not calculated correctly, it is likely the net will not reach the end of the angled rows and therefore not provide full protection. It is better to be generous to ensure 100% protection of your crop.





NETS REMAIN THE MOST EFFECTIVE MEANS OF REDUCING BIRD DAMAGE IN THE VINEYARD

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the sugar content reaches 15%. Whilst
most grapes are harvested when sugar
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- Studies have shown that nets can reduce wind speeds.
- Bird netting is environmentally friendly and long-lasting. Using netting is a humane way of deterring birds from the grapes.
- The hole size in the net still allows pollinating insects like bees to pass through.

The thing about resilience, it means you can bounce back... just like Mother Nature.



