



E.E. Muir & Sons

NETTING PRODUCT GUIDE



www.eemuir.com.au

CROP PROTECTION BIRD NETTING

Bird nets are used to prevent bird damage in crops and is commonly used for vineyards and orchards.

Birds can cause significant damage to farmers as they tend to peck one fruit, then go to another, therefore ruining a large percentage of otherwise commercially valuable production.

Bird protection netting is applied directly on the stand-alone trees or in orchards/vineyards covering several rows at once.

There are 5 main characteristics that define bird netting:

COLOURS

WEIGHT

DENIER

PATTERN

UV STABILISER %

COLOURS

Black

Blends well into the environment making it non-descript

White

Can be more visible to birds

Muir Super Premium Gold White

White with a gold streak down the middle. Assists deployment with the gold centreline and is exclusive to E.E. Muir & Sons

WEIGHT

Measured in grams per square metre (gsm)

Netting range is from 30 – 39 gsm

The greater the gsm the thicker the netting and the greater the durability

DENIER

Thickness of the monofilament (yarn) used to knit and knot the netting.

Denier range is from 500 – 600

The greater the denier the greater the durability

PATTERN

Hexagonal

Hexagonal netting has three stitches holding it on each of four sides.

Diamond

Diamond netting has one stitch holding it at each corner.

Hole size: 15 – 17 mm

Designed specifically to meet Australian standards to restrict the smallest birds accessing crops *Commercial use only

UV STABILISER %

Means the added stabiliser to a resin to allow it to protect the netting from the long-term degradation from UV light.



Black Netting



White Netting



Hexagonal



Diamond



NETTING SIZE

Length

Netting comes in standard bales of 300 metres

An advantage of purchasing standard bale lengths is netting does not need to be associated with rows/patches.

Special orders lengths are possible if they meet the minimum production run of 20 bales.

Width

Netting is available in specific widths from 5 metres to 25 metres

5m, 6.5m, 10m, 13m, 15m, 18m, 20m, 25m

**Special order widths are possible if they meet the minimum production run of 20 bales*



Throw Over – Bird Netting Bale



5m x 100m Diamond 500 Bale



15m x 300m HEX Bale

NETTING QUANTITY CALCULATION

Figures required

- 1: Total rows on the property to be covered
- 2: How many rows are required to be covered by one net (1 - 4)?
- 3: What is the row width (2.5 – 3.5 m)?
- 4: Netting width required (use table 1)
- 5: What is the row length?

Disclaimer – Table 1 is to be used as a guide only. Canopy density and row height need to be considered when measuring for netting width size.

Example:

120 rows
3 rows covered
3 m row width
15 m netting width
300 m row length

Calculation

$120 \div 3 = 40$
 $(40 \times 300\text{m}) + 20\% = 12,000 \text{ Lm} + 2,400 \text{ Lm} = 14,400 \text{ Lm}$
 $14,400 \text{ Lm} \div 300\text{m}^{**} = 48 \text{ bales of } 15 \text{ m wide netting}$

* Add 20 % for the highs and lows in the canopy and row turn

** 300m = standard bale length

Rows Covered	Row Spacing (m)	Netting Width (m)
1	2.5	6.5
	2.75	6.5
	3	6.5
	3.5	6.5
2	2.5	10
	2.75	10
	3	10
	3.5	13
3	2.5	13
	2.75	15
	3	15
	3.5	18
4	2.5	18
	2.75	18
	3	20
	3.5	20

Table 1: Netting width table

DIAMOND 500 BIRDNETTING

ITEM CODE: BIRD-NETD-*

Technical Specifications

MESH SIZE: 15 mm

WIDTH: 5 m – 20 m

LENGTH: 100 m – 300 m

COLOUR: Black or White

YARN QUALITY: 500 Denier High-density polyethylene (HDPE)

WEIGHT: 30 gsm

UV STABILISER: 0.6%

ORDER QTY: Minimum customisable order qty is 20 bales



DIAMOND 500
Entry level bird netting
Lowest Cost

MUIR SUPER PREMIUM GOLD BIRD NETTING

ITEM CODE: BIRD-NETNG-*

Technical Specifications

MESH SIZE: 15 mm

WIDTH: 5 m – 20 m

LENGTH: 100 m – 300 m

COLOUR: Black or White

YARN QUALITY: 550 Denier High-density polyethylene (HDPE)

WEIGHT: 33 gsm

UV STABILISER: 0.6%

ORDER QTY: Minimum customisable order qty is 20 bales



MUIR SUPER PREMIUM GOLD
Quality construction
Outstanding durability
Preferred netting brand
Strongest Diamond Netting



MUIRS HEX 35GSM BIRD NETTING

ITEM CODE: BIRD-NETH-G*

Technical Specifications

MESH SIZE: 15 mm

WIDTH: 5 m – 20 m

LENGTH: 100 m – 300 m

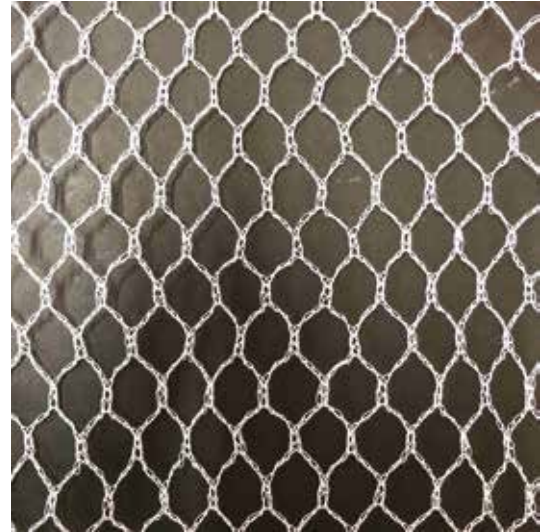
COLOUR: Black or White

YARN QUALITY: 500 Denier High-density polyethylene (HDPE)

WEIGHT: 35 gsm

UV STABILISER: 0.6%

ORDER QTY: Minimum customisable order qty is 20 bales



HEX 500

Standard Hexagonal Bird Netting

MUIRS PREMIUM HEX 39GSM BIRNETTING

ITEM CODE: BIRD-NETH-*

Technical Specifications

MESH SIZE: 17 mm

WIDTH: 5 m – 20 m

LENGTH: 100 m – 300 m

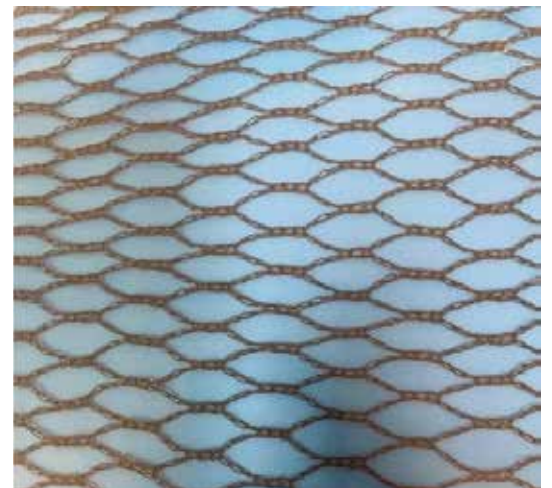
COLOUR: Black or White

YARN QUALITY: 550-600 Denier High-density polyethylene (HDPE)

WEIGHT: 39 gsm

UV STABILISER: 0.6%

ORDER QTY: Minimum customisable order qty is 20 bales



MUIR HEX

Strongest and most durable netting
Hexagonal netting has three stitches
holding it on each of four sides



THROW OVER NETTING

ITEM CODE: BIRD-NETO-*

Technical Specifications

MESH SIZE: Raschel Knitted

WIDTH: 6 – 12m

LENGTH: 100 m

COLOUR: Clear

WEIGHT: 50 gsm

UV STABILISER: 0.6%



*Custom option orders available on enquiry

THROW OVER NETTING
Designed for single row orchards.

ADDITIONAL NETTING OPTIONS

VINE SIDE NET

ITEM CODE: BIRD-SIDE-NET-* & BIRD-NET-VINE-SIDE-*

Technical Specifications

MESH SIZE: 16mm

WIDTH: 1.2 m

LENGTH: 500 m

COLOUR: White

WEIGHT: 23 gsm

*Custom orders can be arranged on enquiry

CANOPY REINFORCED BIRD NETTING

ITEM CODE: BIRD-NETC-*

Technical Specifications

MESH SIZE: 16mm

WIDTH: 5 m - 20 m

LENGTH: 100 m – 300 m

COLOUR: White or Black

WEIGHT: 42 gsm

*Custom orders can be arranged on enquiry

KNITTED SCAFFOLD/WINDBREAK FABRIC

ITEM CODE: WIND-K-1.83-50

Technical Specifications

MESH SIZE: Raschel Knit

WIDTH: 1.83 m

LENGTH: 50 m

COLOUR: Black or Green

WEIGHT: 110 gsm

*Custom orders can be arranged on enquiry

NET CLIPS

BIRD-NET-CLIP_Y

Bird Net Clips
(pack 1000)



REPAIR NEEDLE

BIRD-REPA-NEED-8.5-130

Bird Net Repair Needle
(8.5mm x 130mm)





Auto tension netting Applicator & Retriever

The NetWizz is a fully proven market leader. Safely handling various types and widths of netting, over single or multiple rows, orchards and vineyards.



- ⊙ Automatic speed and netting tension
- ⊙ Self loading and unloading of netting rolls
- ⊙ Fast, safe removal of netting without tears
- ⊙ Five different models to suit your application
- ⊙ Netting wound tight on steel spindles
- ⊙ Shear bolt protection for top loop & mast
- ⊙ For single and multiple row netting
- ⊙ Very compact & safe design

Manufacturers and designers of horticultural equipment

Phone: (03) 9931 2200
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- * **SQUIRREL** Elevating platforms
- * **NetWizz** Bird netting applicator
- * **SADIE** Orchard & vineyard sweepers
- * **OliNet** harvesting aid for olives etc
- * **BIN RUNNER** Bin Trailers



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