

ProtekNet



**THE EFFECTIVE AND ECOLOGICAL WAY
TO PROTECT YOUR CROPS
AGAINST INSECTS**

Dubois 
Agrinovation

THE PRODUCT

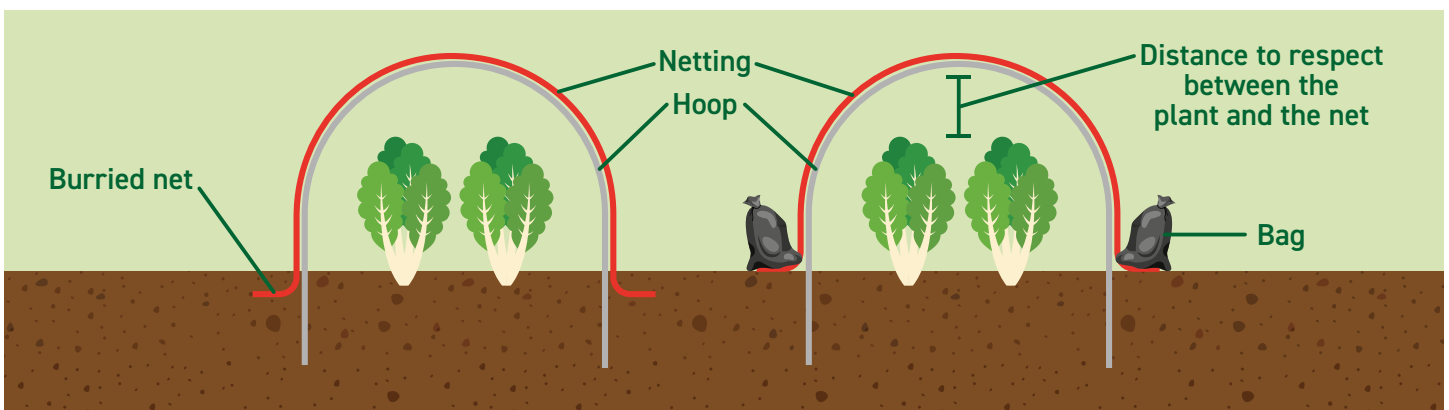


Ideal to eliminate or reduce the use of pesticides, ProtekNet is one of the best organic and efficient ways to protect your plants against insects.

Available in several sizes and meshes, the ProtekNet insect netting can be adapted to any type of application. Very versatile, it can be used in fields, in high tunnels or in greenhouses.

For best results the net needs to be put on hoops. The ProtekNet net can also be used as an alternate for plastic film in the covering of greenhouses, caterpillar tunnels and high tunnels.

Recommndation: For nets directly on crops, be aware that some insects can lay eggs on the foliage in contact with the net - using hoops will eliminate this problem.



THE FACTS

Air Permeability

Climatic effect : Little temperature rise. Better regulated humidity (less disease).

Light

Very small shading effect, therefore practically no reduction of light. The threads in the net act as light scattering elements. Less risk of burns or bolting. UV treated.

Environnement

Limits the use of phytosanitary products. Reduces pesticide expenses.

Significant increase in fruits size*

Significant increase in the quantity of healthy fruits**

Significant reduction of pests**

Higher caliber for crops like:



Less Disease

Less Damage for:



Healthier Fruits

*Source: «Évaluation de filets d'exclusion contre la drosophile à ailes tachetées en bleuëtière au Québec» IRDA-1-13-1641

**Source: «Évaluation de la technique d'exclusion par filets dans deux vergers de pommiers du Québec» Gérald Chouinard - IRDA

THE NETS

Different needs call for different nets!

Considering the insect to fight, lighting, shading effect and water permeability, you will want to select the net that allows you to get the best conditions to your crop, while effectively protecting it. Here are the different ProtekNet types of nets based on weights and the most popular insects from which they offer protection.

| Type | 17g Knitted | 25g Knitted | 47g Knitted | 55g Knitted | 56g Knitted | 60g Knitted | 70g Knitted | 70g Woven |
|------|-------------|-------------|--------------------|-------------|-------------------------|--------------------|--------------------|-----------|
| USE | Field | Field | Field & Greenhouse | Field | Greenhouse (side walls) | Field & Greenhouse | Field & Greenhouse | Field |



SPECIFICATIONS

Available in Canada Only

| Features | 17g Knitted | 25g Knitted | 47g Knitted | 55g Knitted | 56g Knitted | 60g Knitted | 70g Knitted | 70g Woven |
|--------------------|---|---|---|--|---|---|---|---|
| Mesh size | 0,85 mm X 0,85 mm 0.0335" X 0.0335" | 0,35 mm X 0,35 mm 0.0138" X 0.0138" | 0,5 mm X 0,75 mm 0.0197" X 0.0295" | 5 mm X 3 mm 0.19" X 0.12" | 0,25 mm X 0,73 mm 0.0098" X 0.0287" | 1,2 mm X 1,9 mm 0.05" X 0.07" | 0,85 mm X 1,4 mm 0.0335" X 0.0551" | 0,35 mm X 0,25 mm 0.0137" X 0.0098" |
| Material | Polyamide | Polyamide | Polyolephine | High Density Polyethylene | Polypropylene | Polypropylene | Polypropylene | High Density Polyethylene |
| Weight | 17 g / m ² 0.056 oz / ft ² | 25 g / m ² 0.082 oz / ft ² | 53 g / m ² 0.174 oz / ft ² | 55 g / m ² 0.18 oz / ft ² | 56 g / m ² 0.184 oz / ft ² | 60 g / m ² 0.197 oz / ft ² | 70 g / m ² 0.230 oz / ft ² | 70 g / m ² 0.230 oz / ft ² |
| UV Treated | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Porosity | ~80% | ~62% | ~75% | ~90% | ~70% | ~80% | ~75% | ~65% |
| Light Transmission | ~93% | ~91% | ~88% | ~93% | ~93% | ~92% | ~92% | ~87% |
| Color | Clear | Clear | Clear | White | Clear | Clear | Clear | Clear |
| Lifespan* | 1-2 seasons | 2-3 seasons | 4-5 seasons | 8 seasons | 5 seasons | 5 seasons | 5 seasons | 4 seasons |

| Insects | 17g Knitted | 25g Knitted | 47g Knitted | 55g Knitted | 56g Knitted | 60g Knitted | 70g Knitted | 70g Woven |
|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|
| Aphids | | X | X | | X | | | X |
| Armyworm | X | X | X | | X | X | X | X |
| Bown Marmorated Stink Bug | X | X | X | | X | X | X | X |
| Cabbage Root Fly | X | X | X | | X | X | X | X |
| Carrot Rust Fly | | X | X | | X | | | X |
| Chrysomelid | X | X | X | | X | X | X | X |
| Corn Borer | X | X | X | | X | X | X | X |
| Flea Beetles | | X | X | | X | | | X |
| Japanese Beetles | X | X | X | X | X | X | X | X |
| Ladybugs | X | X | X | X | X | X | X | X |
| Leafhopper | X | X | X | | X | | X | X |
| Leek Moth | | X | X | | X | | X | X |
| Nymph | | X | | | X | | | X |
| Onion Maggot | X | X | X | | X | X | X | X |
| Sawfly | X | X | X | | X | X | X | X |
| Seedcorn Maggot | X | X | X | | X | X | X | X |
| Spotted Wing Drosophila | X | X | X | | X | | X | X |
| Squash Bug | X | X | X | | X | X | X | X |
| Swede Midge | | X | X | | X | | | X |
| Tarnished Stink Bug | X | X | X | | X | X | X | X |
| Thrips | | X | | | | | | |
| Twospotted Spider Mite | | X | | | X | | | |
| Wasp | X | X | X | X | X | X | X | X |
| White Fly | | X | | | | | | |

Reference chart based on our data (not scientific) - Consult your agronomist.

Custom sizes can be ordered - please contact your sales representative for more information.

* Lifespan is approximate and conditional to proper use, and adequate storage, handling, and climate conditions.

Recommendation: For nets directly on crops, be aware that some insects can lay eggs on the foliage in contact with the net - using hoops will eliminate this problem.

TESTIMONY

ProtekNet



Some of our Client's Comments

So glad we found Proteknet two years ago on a farm tour. We have a 1 acre non-profit garden/farm and this stuff is awesome. Stops rabbits and insects, stays put in high wind, easy to see plants (unlike with row cover), and easy to water through. Everything grown under this looks pristine and outgrows the same crops without it. We've used it on all greens and salad crops, edamame, and root crops with excellent results. And it doesn't seem to tear and break down nearly as easily as row cover.

-Suzanne

I love this netting! Using a barrier is the best form of protection for organic growing. ProtekNet is one of the best barriers I've found.

-Steve

Fellow gardeners and farmers, this is one fantastic product. We have a 5,000 sq. ft. organic vegetable garden in New Jersey; in years past we battled flea beetles, white flies, cucumber beetles and aphids among many others. We started using the Proteknet this year. So far the insect pressure from pests is minuscule (flea beetles to zero (aphids) and the spring harvest of lettuce, swiss chard and broccoli rabe has been bath hugely productive and insect damage free. Setting up the protective tunnels is easy, and the fabric is light and slides freely over the PVC plastic hoops to adjust where you want it. We spent a fraction of the time setting up as we would have fighting pests. Also it's easy to open the tunnels, flip the fabric over the hoops and harvest. We have both drip irrigation and overhead watering, and the fabric allows the water to sprinkle right in. The vegetables thrive in perfect conditions, they look like they came out of a green house. We've gone through several strong thunder and wind storms this spring and the tunnels stayed in place. We use garden fabric to minimize weeds throughout the garden and I suggest using fabric or plastic under the tunnels.

-Gail Lynn

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