

FOR A VEGETABLE PLOT

CONVENIENT

FOR A FLOWER BED

FOR A POULTRY RUN



FOR SLOPE REINFORCEMENT

FOR A FLOWER BED

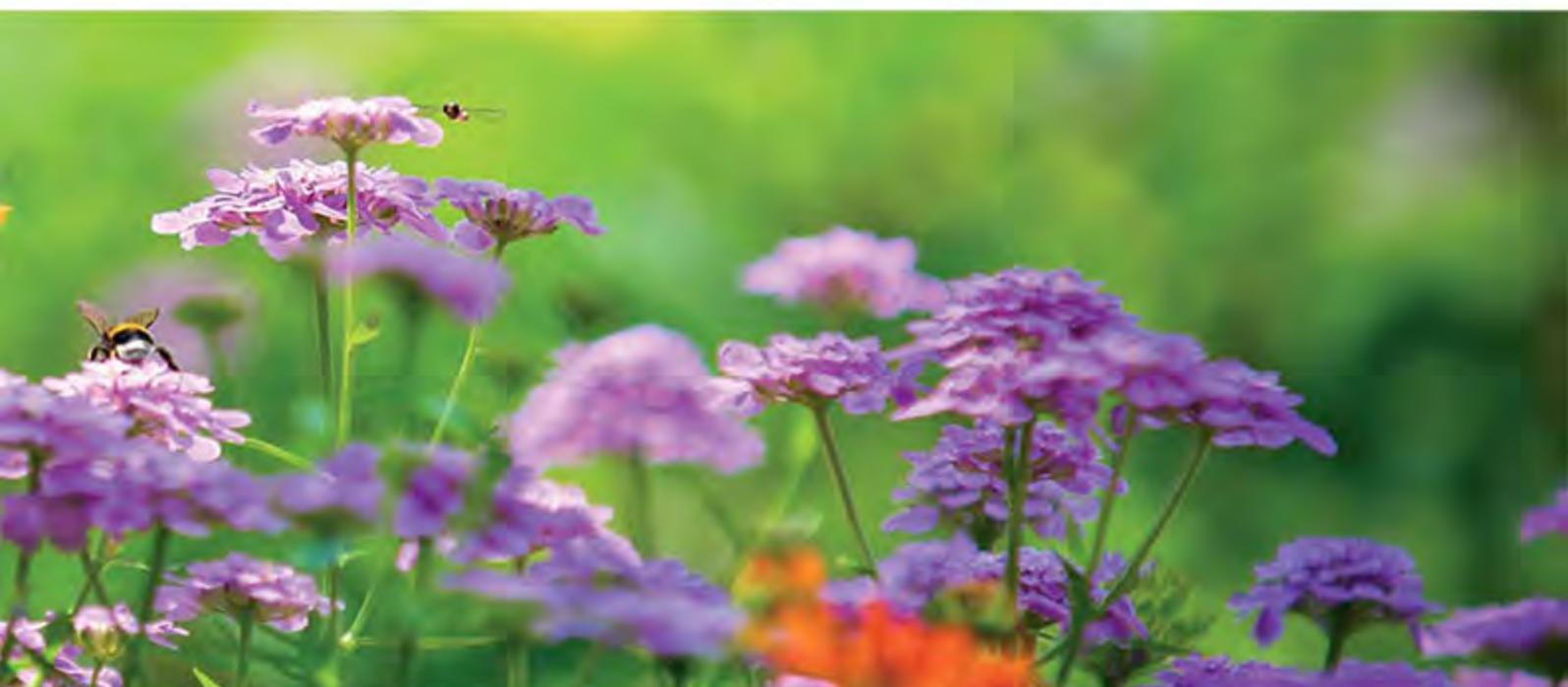
FOR A GARDEN FENCE

COST-EFFECTIVE

COST-EFFECTIVE

FOR CROP YIELD

FOR SLOPE REINFORCEMENT



MORDEN MATERIALS FOR HOMESTEAD AND GARDEN

FOR A GARDEN FENCE

FOR SLOPE REINFORCEMENT

FOR A FLOWER BED

FOR A VEGETABLE PLOT

CONVENIENT

COST-EFFECTIVE

FOR CROP YIELD

FOR PLANT PROTECTION

CONVENIENT

FOR A POULTRY RUN

FOR CONSTRUCTION SITE

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DURING EVERY GROWING SEASON IN RUSSIA OUR PRODUCTS HELP * :

- To enclose 64 500 homesteads.
- To construct 1 445 250 trellises for climbing plants.
- To protect 722 700 fruit-bearing trees and bushes from birds.
- To guard cherries for making 1 011 780 litres of cherry jam.
- To build 35 550 poultry runs.
- To lay 58 800 garden pathways.
- To set up 9 750 flowerbeds.
- To fence 866 700 front gardens.

WE INSPIRE YOU FOR CREATION OF COMFORTABLE ENVIRONMENT

PROTECT is Russian manufacturing company which has been functioning for 15 years. Our products are distributed all over Russia, besides we make shipments to the Customs Union countries and Europe. Our unique production allows to keep flexible price policy and perform individual customer orders. Our products save valuable time during growing season, raise the level of crop yield and protect your crop from negative impact, let you create modern landscape designs for your garden, prevent soil erosion, help to construct drainage and hydroisolation systems.

INFOGRAPHICS



*Based on internal company data

SETTING UP POULTRY RUN

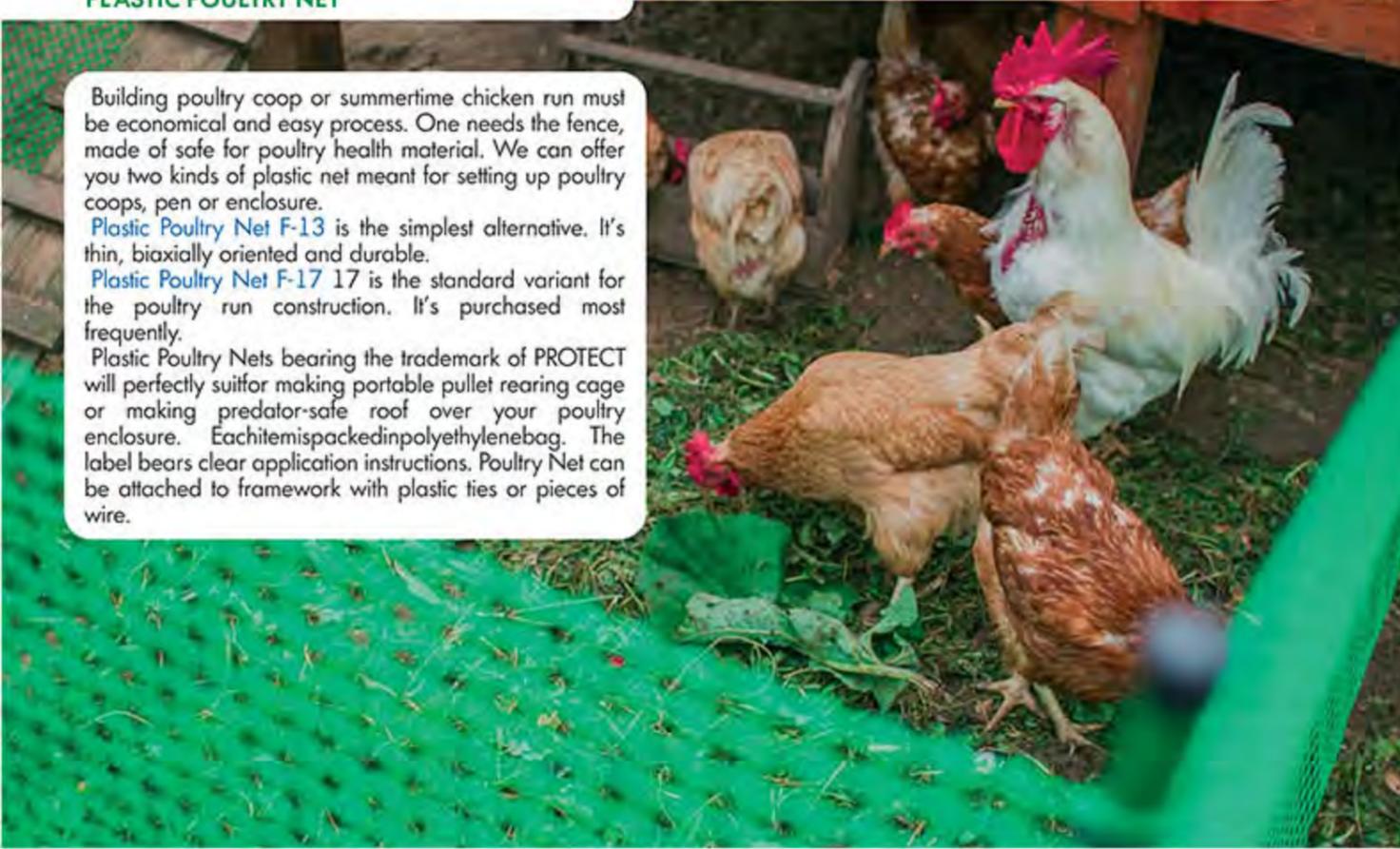
PLASTIC POULTRY NET

Building poultry coop or summertime chicken run must be economical and easy process. One needs the fence, made of safe for poultry health material. We can offer you two kinds of plastic net meant for setting up poultry coops, pen or enclosure.

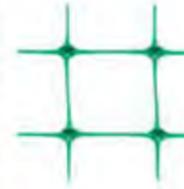
Plastic Poultry Net F-13 is the simplest alternative. It's thin, biaxially oriented and durable.

Plastic Poultry Net F-17 17 is the standard variant for the poultry run construction. It's purchased most frequently.

Plastic Poultry Nets bearing the trademark of PROTECT will perfectly suit for making portable pullet rearing cage or making predator-safe roof over your poultry enclosure. Each item is packed in polyethylene bag. The label bears clear application instructions. Poultry Net can be attached to framework with plastic ties or pieces of wire.



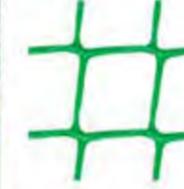
F-13/1/10



+100°C
-15°C



F-17/1/5



+80°C
-60°C



Article	Trade name	Mesh hole size, mm	Size, m	Color
F-13/1/10	Poultry Net	13*15	1*10	Green
F-13/1/20			1*20	
F-17/1/5	Poultry Net	17*17	1*5	Green
F-17/1/10			1*10	Khaki

Example of DIY chicken enclosure:



ADVANTAGES:

- Durable
- Washable
- Unable to cause injury
- Rot-proof & rust-proof
- Don't absorb solar heat
- Easy to install & easy to dismantle
- Safe for environment
- Enable the possibility to make movable constructions
- Small cells of poultry net prevent birds from getting stuck
- Don't react with poultry manure



PLASTIC NET FOR SUPPORT PEAS GROWTH

PLASTIC NETS FOR INCREASING CROP CAPACITY & CROP PROTECTION

Plastic net for garden pea support is indispensable for trellis-based planting of garden pea. This net enables timely harvesting of ripe pea pods, secures defense against plant diseases, keeps garden pea plants from shriveling, reduces the possibility of Bruchus infection. Plastic net for garden pea support is thin but durable, biaxially oriented. It's very economical due to its multiple application.



ADVANTAGES:

- Eliminates the need to tie up pea shoots
- Durable; can bear rich crop
- Reduces the losses caused by rotting
- Makes harvesting more comfortable due to the elevated working space
- Ensures even distribution of the sunlight and fresh air along the plant height
- Simplifies weeding and fertilizing
- Reusable

U-45/1/6



+100°C
-15°C

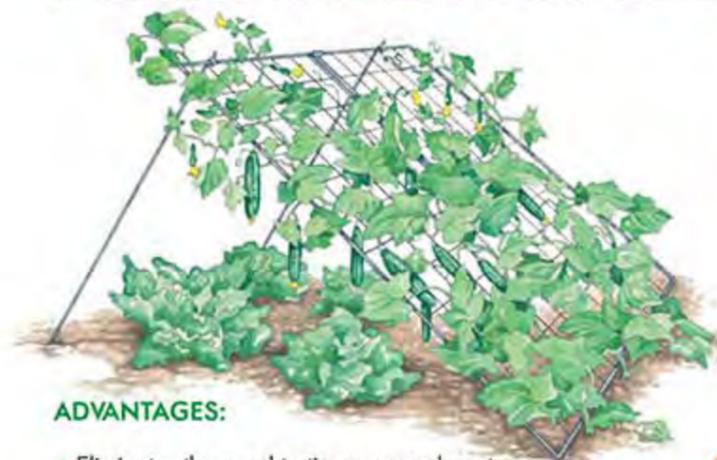


Article	Trade name	Mesh hole size, mm	Size, m	Color
U-45/1/6	Pea Net	45*45	1*6	Khaki

PLASTIC TRELLIS NET FOR SUPPORT CUCUMBER GROWTH

PLASTIC NETS FOR INCREASING CROP CAPACITY & CROP PROTECTION

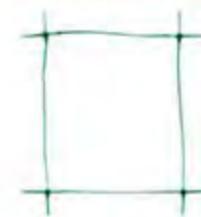
Plastic trellis net for cucumber support is essential for trellis-based planting of cucumber. For agricultural producers we supply long-length rolls (500 m and longer); for retailing we put the net into the bright-colored customer package with euroslot hanger.



ADVANTAGES:

- Eliminates the need to tie up cucumber stems
- Durable; can bear rich crop
- Reduces the losses caused by rotting
- Cucumbers are quite noticeable and reachable through big net holes
- Makes harvesting more comfortable due to the elevated working space
- Ensures even distribution of the sunlight and fresh air along the plant height
- Simplifies weeding and fertilizing
- Reusable

F-170/2/10



+100°C
-15°C



Article	Trade name	Mesh hole size, mm	Size, m	Color
F-170/2/5	Cucumber Net	150*170	2*5	Хаки
F-170/2/10	(customer package)		2*10	
F-150/1.7/500	CucumberNet	150*130	1.7*500	Хаки
F-170/2/500	(500 m roll)	150*170	2*500	

PLASTIC ANTI-BIRD NET

PLASTIC NETS FOR INCREASING CROP CAPACITY & CROP PROTECTION

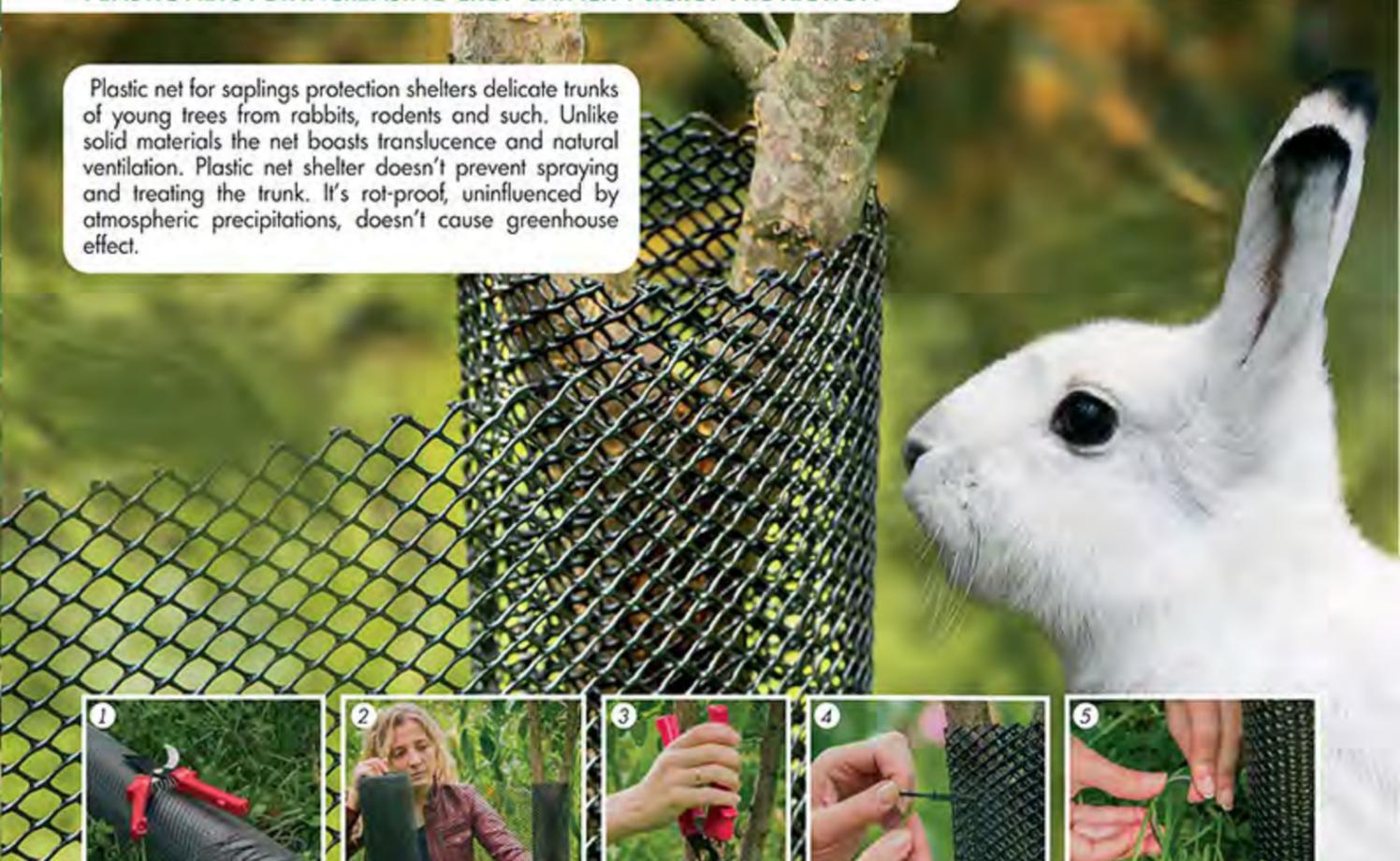
At harvest time the great part of the cherry, plum, strawberry and such crop may be damaged by birds. The similar trouble arises when seeds are sprouting: jackdaws and other wild birds peck out young shoots. Plastic Anti-bird Nets bearing the trademark of PROTECT are supplied in customer package with euroslot hanger. This net can be easily taken off from a tree or a bush.



PLASTIC NET FOR SAPPLINGS PROTECTION

PLASTIC NETS FOR INCREASING CROP CAPACITY & CROP PROTECTION

Plastic net for saplings protection shelters delicate trunks of young trees from rabbits, rodents and such. Unlike solid materials the net boasts translucence and natural ventilation. Plastic net shelter doesn't prevent spraying and treating the trunk. It's rot-proof, uninfluenced by atmospheric precipitations, doesn't cause greenhouse effect.



U-6/2/5



+100°C
-15°C



ADVANTAGES:

- Rot-proof & rustproof
- Don't absorb solar heat
- Easy to install & easy to dismantle
- Enables unrestricted access of the sunlight, precipitation and fresh air
- Reusable
- Mesh holes allow pollinating insects through and don't prevent spraying
- Harmless to humans and pets

Article	Trade name	Mesh hole size, mm	Size, m	Color
U-6/2/5	Anti-bird Net	6*6	2*5	Black Khaki
U-6/2/10			2*10	
U-6/2/100			2*100	



ADVANTAGES:

- Rot-proof & rustproof
- Don't absorb solar heat
- Easy to install & easy to dismantle
- Enables unrestricted access of the sunlight, precipitation and fresh air
- Reusable
- Mesh holes allow pollinating insects through and don't prevent spraying
- Preclude greenhouse effect
- Harmless to humans and pets



F-7/0,8/5 K



+60°C
-80°C



Article	Trade name	Mesh hole size, mm	Size, m	Color
F-7/0,8/5 K	Saplings Protection Net (with the set of ties)	7*7	0,8*5	Black
F-8/1/5 K			1*5	



GEOTEXTILE & GEOTEXTILE PRODUCTS

COVERING MATERIALS

Geotextile (spunbond) – is nonwoven fabric with the density ranging from 17 g/m² to 150 g/m².

White geotextile serves as a cover for seedbeds and greenhouses. It helps to speed up the growth and improve fecundity of plants, protects the crop of berries and vegetables from slight frost, hail, sunburn and pests. Recommended density is 17-60 g/m².



Black geotextile nicely fits for mulching seedbeds. It suppresses and controls weed growth, slows evaporation down, prevents soil compaction, keeps berries and vegetables clean and impedes their rotting. It contributes to the successful winter dormancy of roots. Recommended density is not less than 60 g/m².



SL-60/160/10



SL-60/320/10



Article	Trade name	Density, g/m ²	Size, m	Color
SL-17/320/10	Spanbond 17 g/m ²	17	3,2*10	White
SL-42/320/10	Spanbond 42 g/m ²	42	3,2*10	
SL-42/320/200			3,2*200	
SL-60/320/10	Spanbond 60 g/m ²	60	3,2*10	Black
SL-60/160/10			1,6*10	
SL-80/160/10	Spanbond 80 g/m ²	80	1,6*10	White

Article	Trade name	Density, g/m ²	Diameter * height, m	Color
P-400/120/66-C	Polytunnel with the set of fasteners, 4 m	60	0,66*1,2*4	White
	Cone cloche for conifers	80	1,0*1,2	
			1,2*1,7	
			1,5*2,5	
	Bush & rose cloche	80	0,4*0,8	
			0,8*1,2	
	Shelter for roses with the set of fasteners	60	0,4*0,75	



POLYTUNNEL WITH THE SET OF FASTENERS

For the growing of heat-loving plants, crop early maturing and safekeeping we can offer you ready-made solutions: geotextile polytunnels and mini-tunnels.

They are easy to install as the complete set of fasteners is included. It's quite enough to assemble the frame, cover it with geotextile case and anchor it to the ground.



BUSH & ROSE GEOTEXTILE CLOCHE

The cloche consists of white geotextile (80 g/m²), shaped like a cone or truncated pyramid.

One chooses the cloches shape and size according to the type of the plants crown.



GEOTEXTILE CONE CLOCHE FOR CONIFERS

For thujas and other ornamental coniferous trees will perfectly suit cone-shaped geotextile cloches. Such shelter securely protects plants from frost, leveling the day and night temperature, and prevents a sunburn.



GEOTEXTILE SHELTER FOR ROSES WITH THE SET OF FASTENERS

Represents a complete solution. The kit includes two geotextile covers, a four-legged metal rods stand, four U-shaped fasteners for anchoring the shelter to the ground. The metal rods are fasten together at the top for solidity benefits.



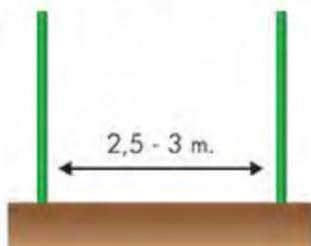
PLASTIC GARDEN FENCE & PLASTIC GARDEN POSTS

PRODUCTS FOR GARDEN FENCING

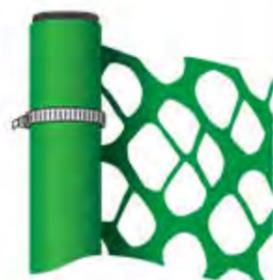
Plastic garden nets bearing the trademark of PROTECT are designed for fencing homesteads, gardens and yards, sports grounds and children's play area. At the same time they are suitable for construction of pens and enclosures intended for keeping middle-size animals like pigs, sheep, goats or dogs. At farms, zoos and small households these nets are used for setting up poultry run for semi-free-range hens, geese, ducks or ostriches.

FENCE INSTALLATION DOESN'T NEED MUCH TIME AND EFFORT:

1. Posts should be installed at equal distances 2,5 m – 3 m apart.



2. Garden net can be attached to the posts with plastic ties or metal wire pieces.



3. Plastic net fencing should have a straining line wire installed to hold the mesh taut at the top and the bottom of the fence.



Z-70/1,5/10



+80°C
-60°C



F-18/1,6/15



+80°C
-60°C



Z-55/1,9/10



+80°C
-60°C



Article	Trade name	Mesh hole size, mm	Size, m	Color
Z-35/1.2/10	Garden Fence 1.2	35*35	1,2*10	Green Khaki
Z-35/1.2/25			1,2*25	
Z-40/1.5/10	Garden Fence 1.5	40*40	1,5*10	
Z-40/1.5/25			1,5*25	
Z-70/1.5/10			1,5*10	
Z-70/1.5/25	70*58	1,5*25		
F-18/1.6/15	Garden Fence 1.6	18*18	1,6*15	
F-18/1.6/30			1,6*30	
Z-55/1.9/10	Garden Fence 1.9	55*58	1,9*10	
Z-55/1.9/25			1,9*25	

Article	Trade name	Diameter, mm	Length, m	Color
ZS-2.2	Long Garden Post with Plug	83	2,2	Khaki
ZS-1.5	Short Garden Post with Plug	40	1,5	

ZS-2,2

+80°C
-60°C



- ADVANTAGES:**
- Age resistant
 - Rust-proof & rot-proof
 - Does not require any special care
 - Harmless to humans and pets
 - Easy to install

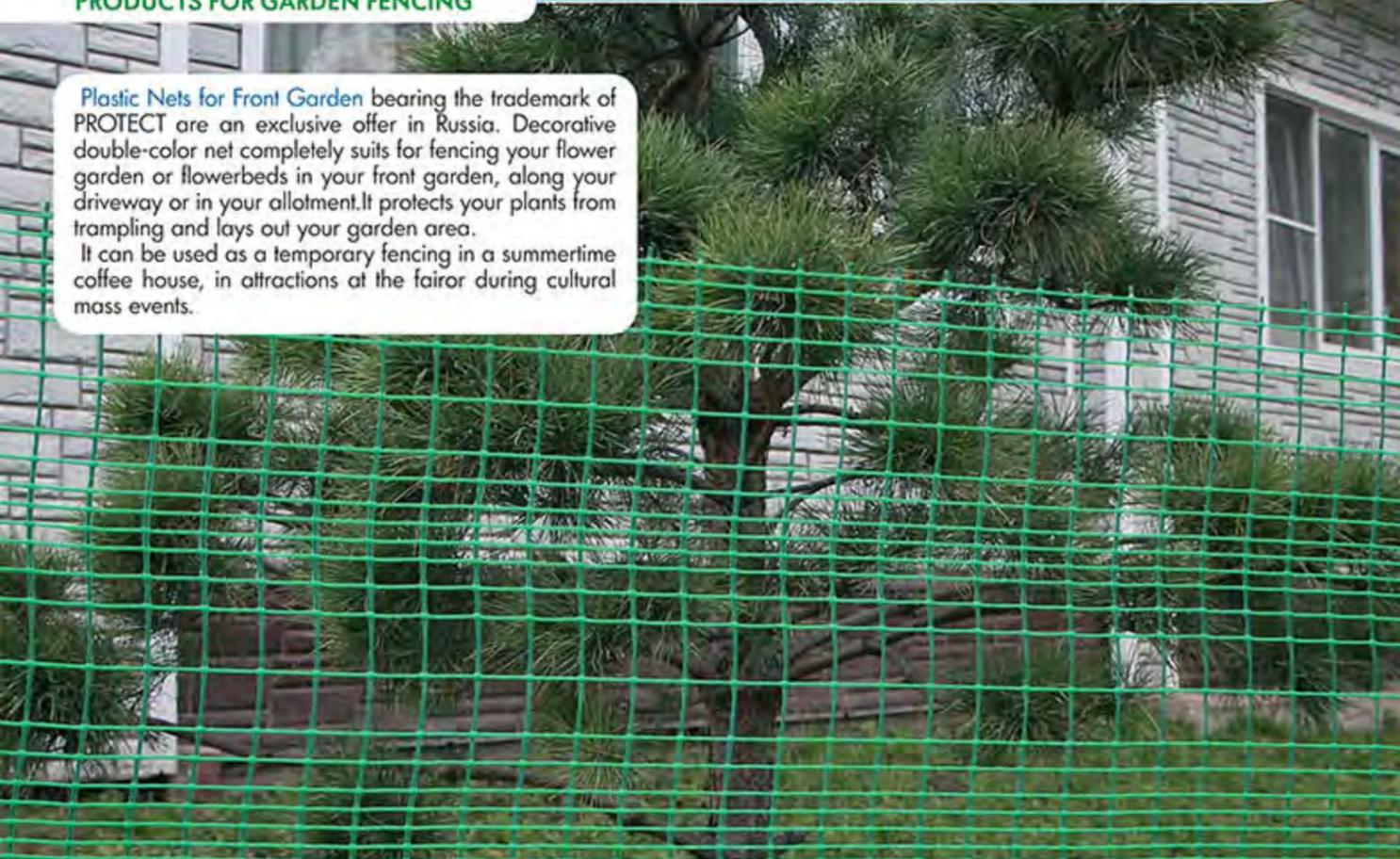


PLASTIC NETS FOR FRONT GARDEN

PRODUCTS FOR GARDEN FENCING

Plastic Nets for Front Garden bearing the trademark of PROTECT are an exclusive offer in Russia. Decorative double-color net completely suits for fencing your flower garden or flowerbeds in your front garden, along your driveway or in your allotment. It protects your plants from trampling and lays out your garden area.

It can be used as a temporary fencing in a summertime coffee house, in attractions at the fair or during cultural mass events.



PLASTIC NETS FOR FRONT GARDEN

PRODUCTS FOR GARDEN FENCING

Plastic Net for Playground is a decorative mesh with reinforced edge. It can be used for fanciful design of children's playground or play area, as well as in the garden or in the front door space.



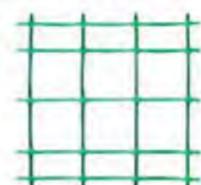
F-20/1/5



FD-45/1/10



F-24/0.5/10



ADVANTAGES:

- Unique
- Decorative
- Feature reinforced edge
- Easy to install
- Age resistant
- Reusable
- Harmless to humans and pets

Article	Trade name	Mesh hole size, mm	Size, m	Color
F-24/0.5/5	Net for Front Garden 0.5	24*24	0,5*5	Khaki-green (double-color)
F-24/0.5/10	Net for Front Garden 0.5	24*24	0,5*10	
F-20/1/5	Net for Front Garden 20*20, 5m	20*20	1*5	
F-20/1/10	Net for Front Garden 20*20, 10m	20*20	1*10	
FD-45/1/5	Decorative Fence, 5m	45	1*5	Green Khaki
FD-45/1/10	Decorative Fence, 10m	45	1*10	
F-25/1/10	Net for Front Garden 25*25, 10m (reinforced edge)	25*25	1*10	
F-50/1/10	Net for Front Garden 50*50, 10m (reinforced edge)	50*50	1*10	

F-24/0.5/8



ADVANTAGES:

- Bright colors
- Unique
- Features reinforced edge
- Age resistant
- Reusable
- Harmless to humans and pets
- Rot-proof & corrosion-proof
- No emissions of chemical products

Article	Trade name	Mesh hole size, mm	Size, m	Color
F-24/0.5/8	Net for Playground 24*24 8m	24*24	0,5*8	Blue, Pink Yellow

PLASTIC NETS FOR BUILDING DECORATIVE GARDEN ARCHES, PERGOLAS AND TRELLIS

PRODUCTS FOR LANDSCAPING

These nets are used for creating garden designs with flowering or fruit ornamental climbers. The vine, twining around the mesh strands, rapidly forms green screen or decorative shelter. One can use plastic ties to attach the net to a framework.



PLASTIC NETS FOR ARBOURS

PRODUCTS FOR LANDSCAPING

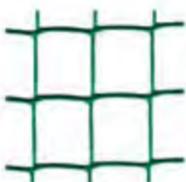
These nets provide economical alternative to traditional wooden mesh, which had been used for an arbour construction. They can be quickly and easily fixed on the framework of an arbour.



F-35/1.2/5



F-60/1/10



ADVANTAGES:

- Rot-proof & corrosion-proof
- Don't absorb solar heat
- Durable
- Reusable
- Year-round utilization



Article	Trade name	Mesh hole size, mm	Size, m	Color
F-60/1/5	Net for Arches 50*60 5 m	60*60	1 * 5	Green
F-60/1/10	Net for Arches 50*60 10 m	50*60	1 * 10	Khaki
F-35/1.2/5	Net for Pergolas, Trellis 35*35 5 m	35*35	1,2*5	Green

EXAMPLES OF APPLICATION OF PLASTIC NET FOR ARBOURS:

F-16



F-55



ADVANTAGES:

- Easy to install
- Rot-proof & corrosion-proof
- Don't absorb solar heat
- Cost-effective & time-saving
- Long-lasting

F-16/1.2/10



F-55/1.9/10



Article	Trade name	Mesh hole size, mm	Size, m	Color
F-16/1.2/10	Net for Arbours 16*16 10 m	16*16	1,2*10	Green
F-55/1.9/10	Net for Arbours 55*58 10 m	55*58	1,9*10	Brown

PLASTIC NET FOR CLEMATIS AND OTHER ANNUAL VINES SUPPORT

NETS FOR DECORATIVE CLIMBERS SUPPORT

This net is recommended as a support for annual climbers with thin stems, such as clematis, morning glories, sweet pea and others.



PLASTIC NETS FOR CREEPING ROSES, GRAPES AND PERENNIAL CLIMBERS SUPPORT

NETS FOR DECORATIVE CLIMBERS SUPPORT

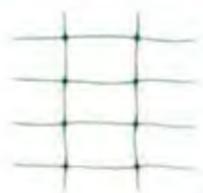
These nets serve as a support for perennial vining plants including creeping rose, decorative grapes, magnolia vine, honeysuckle, actinidia.



ADVANTAGES:

- Gives support to plants without additional fastening
- Promotes even distribution of green mass
- Unnoticeable among leaves
- Easy to install
- Rot-proof & corrosion-proof
- Doesn't absorb solar heat
- Cost-effective & time-saving

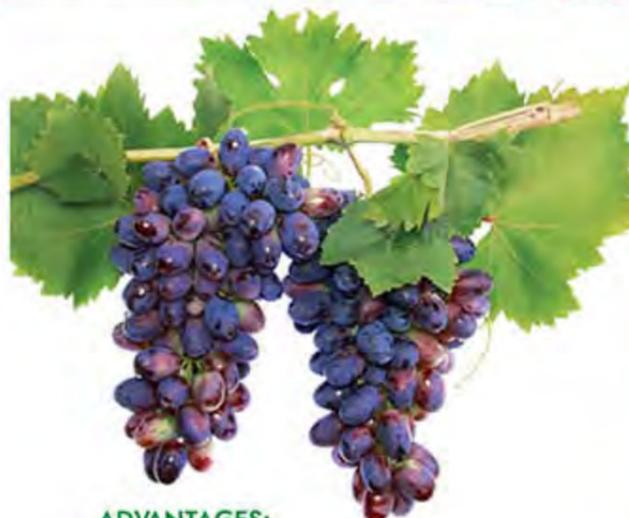
U-22/1/6



+100°C
-15°C



Article	Trade name	Mesh hole size, mm	Size, m	Color
U-22/1/6	Net for Clematis	22*35	1*6	Khaki

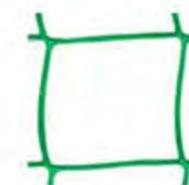


ADVANTAGES:

- Give support to plants without additional fastening
- Reusable; may not be put away for winter season
- Provide good opportunity to control the direction of vine stems growth
- Unnoticeable in the foliage
- Easy to install
- Rot-proof & corrosion-proof
- Don't absorb solar heat



F-90/1/10

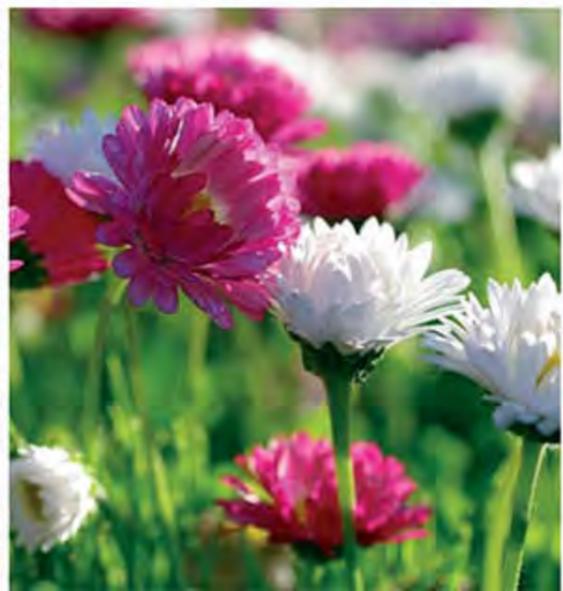


+80°C
-60°C



Article	Trade name	Mesh hole size, mm	Size, m	Color
F-90/1/5	Net for Creeping Rose 90*100, 5 m	90*100	1*5	Green
F-90/1/10	Net for Grapevine 90*100, 10 m	90*100	1*10	Khaki

PLASTIC NET FOR SUPPORT OF FLOWERS CULTIVATED FOR CUTTING



DECORATIVE PLASTIC BORDER

PRODUCTS FOR LANDSCAPING

Stumps Border comes as a set of 16 pieces 15 cm high. One can construct an even ornamental garden fence 1.6 m long or enclose a children's play area, tiny pond, small fountain or an area adjoining to an arbour.

Waves Border is supplied as a set of 8 sections 32 cm long each and 25 fasteners. This kit allows construction of 2.56 m long garden pathway edging. One can arrange sections in straight line or close them up in a flowerbed round border.



BV-9/2.56

ADVANTAGES:

- Easy to arrange
- Granite texture imitation
- Protects a flower display from slanting
- Undulating garden ornamentation
- Smooth edge of the lawn
- Possibility to create fanciful garden designs



BP-15/1.6

ADVANTAGES:

- Easy to arrange
- Wood texture imitation
- Unusual garden ornamentation
- Possibility to create fanciful garden designs



Article	Trade name	Height, mm	Length, m	Color
BV-9/2.56	Waves Border	9	2,56	Khaki, brown
BP-15/1.6	Stumps Border	15	1,6	Khaki, brown, yellow+green (8 yellow & 8 green sections)



PLASTIC NET FOR FLOWERBED FENCING

PRODUCTS FOR LANDSCAPING

The fine-meshed structure enhances rigidity of flower bed or floral display fence. The net protects your plants from trampling and contributes to the attractiveness of your garden.



F-7/0.4/10



ADVANTAGES:

- Easy to install
- Flexible
- Durable
- Rot-proof & rust-proof
- Safe for the environment



Article	Trade name	Mesh hole size, mm	Size, m	Color
F-7/0.4/10	Net for Flowerbed Fencing 7*7, 10 m	7*7	0,4*10	Green, Khaki

PLASTIC LAWN EDGING

PRODUCTS FOR LANDSCAPING

Flat rough lawn edging helps to maintain neat edges of lawns, restrict the growth of grass, outline the fancy-shaped flower or garden bed, can be of service for raised-bed gardening. Garden lawn edging is indispensable for decorating your garden with woodchips or crushed stone used as a separator.

The 50 cm high lawn edging is the perfect solution to the problem of limiting the spontaneous growth of raspberry and other invasive plants shoots, which may invade your garden.

Corrugated sleek lawn edging serves as a boundary for the fancy-shaped flower beds and displays.



Corrugated sleek lawn edging



Plastic garden bed border



B-30/30



B-10/10



B-20/8



Article	Trade name	Thickness, mm & form	Size, m	Color
B-10/10	Lawn Edging	1.2; flat	0,10*10	Khaki, Brown
B-10/30	Lawn Edging	1.2; flat	0,10*30	
B-15/10	Lawn Edging	1.2; flat	0,15*10	
B-15/30	Lawn Edging	1.2; flat	0,15*30	
B-20/10	Lawn Edging	1.2; flat	0,20*10	
B-20/30	Lawn Edging	1.2; flat	0,20*30	
B-30/10	Lawn Edging	1.2; flat	0,30*10	
B-30/30	Lawn Edging	1.2; flat	0,30*30	
B-50/10	Lawn Edging	1.2; flat	0,50*10	Black
B-20/8	Garden Bed Border (connected in a ring)	1.2; flat	0,20*8	
B-10/9	Corrugated Lawn Edging	0.6; corrugated	0,10*9	Khaki, Brown
B-15/9	Corrugated Lawn Edging	0.6; corrugated	0,15*9	
B-20/9	Corrugated Lawn Edging	0.6; corrugated	0,20*9	

ADVANTAGES:

- Ideal thickness for ornamental usage
- Easy to install
- Flexible
- Durable
- Rot-proof & rust-proof
- Safe for the environment
- Frostresistant
- UV stabilized, long-lasting colour



B-10/9



B-20/9



GROUND & GRASS PROTECTION UNDERGROUND GEONETS (DEFENCE AGAINST MOLES, LAWN REINFORCEMENT)

SETTING UP LAWN, PATHWAY, PARKING

When laying out a lawn, one surely uses geonet to reinforce the ground, especially if it's the matter of slope landscaping. At first one spreads the geonet Lawn-1 over the prepared patch of ground, then covers it with thin layer of rich soil (no more than 5 cm) and seeds lawn plants. Grass roots quickly go through the geonet mesh, securely fixing it. Geonet can be applied for reinforcement of both flat surface and slight slope (less than 20°).

Geonet Lawn-1 is a fine mesh plastic netting; it prevents moles from coming out of ground, and finally they leave your garden.



GROUND & GRASS PROTECTION OVERGROUND GEONETS

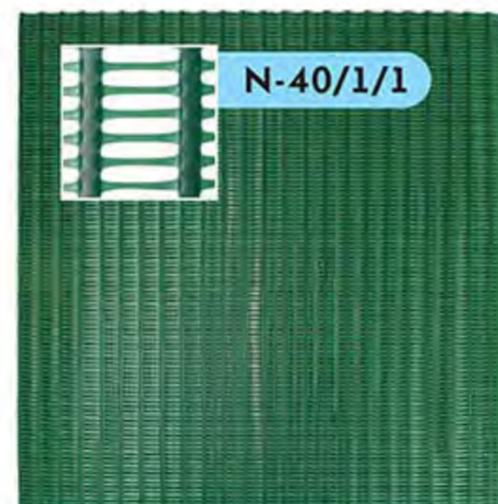
SETTING UP LAWN, PATHWAY, PARKING

Geonet Lawn-2 helps to keep the grass safe in playgrounds, recreation sites and other crowded public places. One covers short mown lawn with the net and pins it down with metal staples or anchors. In a week geonet will be hardly visible from under the grown grass.

Geogrid Mat modules can be arranged in a simple garden path. One uses them to construct temporary pathway in the garden. The mat protects your lawn from trampling down and stops the ground from slumping. It can be fixed on the ground with staples or anchors.



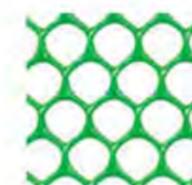
G-9/1/10



N-40/1/1



G-32/2/30



ADVANTAGES:

- Flexible
- Rot-proof & rust-proof
- Lightweight
- Age resistant
- Easy to install
- Safe for the environment
- Frost resistant



Article	Trade name	Mesh hole size, mm	Size, m	Color
G-9/2/30	Lawn-1/1	9*9	2 * 30	Black
G-9/1/10	Lawn-1/1	9*9	1*10	Black

ADVANTAGES:

- Age resistant
- Easy to install
- Rot-proof & rust-proof
- Safe for the environment
- Frost resistant
- Multiple application



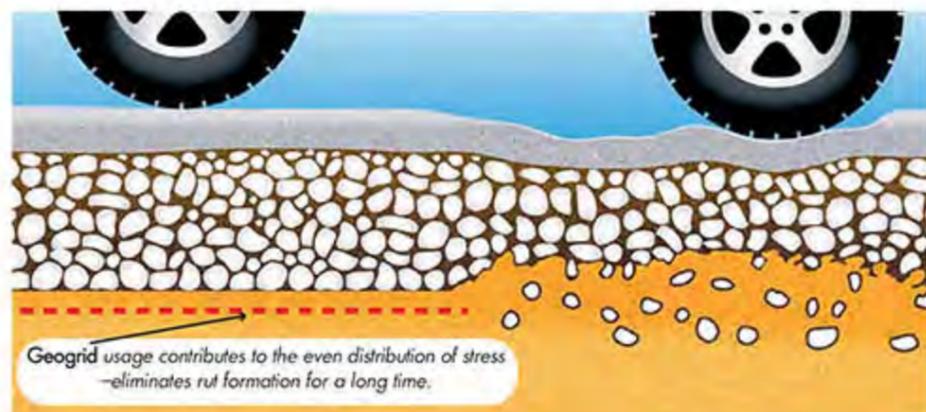
Article	Trade name	Mesh hole size, mm	Size, m	Color
G-32/2/30	Lawn-2, 30 m	32*32	2*30	Green
N-40/1/1	Geogrid Mat	10*40	1*1	Khaki

GEOGRID FOR PARKING, PATHWAY, DRIVEWAY, PATIO

SETTING UP LAWN, PATHWAY, PARKING

This geogrid reinforces the base of a road, a ground, parking, a driveway. It's an effective prevention of rut and pothole formation during transitional seasons. Geogrid stops crushed stone layer from sinking down into the soil; that causes considerable economy of building materials as less crushed stone is needed.

This geogrid is used for building of a garden pathway, a block or flagstone pavement, a patio. It prohibits crushed stone pieces from falling apart, as they stick in the mesh holes.



D-40/2/50



ADVANTAGES:

- Prolonged usage
- Rot-proof & rust-proof
- Safe for the environment
- Crushed-stone economy & cost reduction for its delivery
- No special machinery is needed for laying
- Lightweight
- Prolong the operational life of roads and driveways



Article	Trade name	Mesh hole size, mm	Size, m	Color
D-40/2/50	Road Geogrid OSS-D 40	43*43	2*50	Black
D-40/4/50			4*50	
D-33/2/25	Road Geogrid OSS-D 33	33*33	2*25	
D-33/4/50			4*50	
D-33/1.33/25			1,33*25	



D-33/1.33/25



ADVANTAGES:

- Prolonged usage
- Rot-proof & rust-proof
- Safe for the environment
- Crushed-stone economy & cost reduction for its delivery
- No special knowledge is required for laying
- 1.33 m roll can be conveniently placed into the car's boot
- Prolong the operational life of a garden path



Article	Trade name	Mesh hole size, mm	Size, m	Color
D-33/1.33/25	Road Geogrid OSS-D 33	33*33	1,33*25	Black

PLASTIC GEOBORDER & GABIONS

SETTING UP LAWN, PATHWAY, PARKING

Plastic Geoborder proves to be useful while paving garden pathways, grounds; it helps to maintain the flowerbed shape and to set edges of a pool. It's an appealing material for realization your landscape designs concerning beautification of a grass plot, lawn, creating garden figures or framing the ground around a tree trunk.



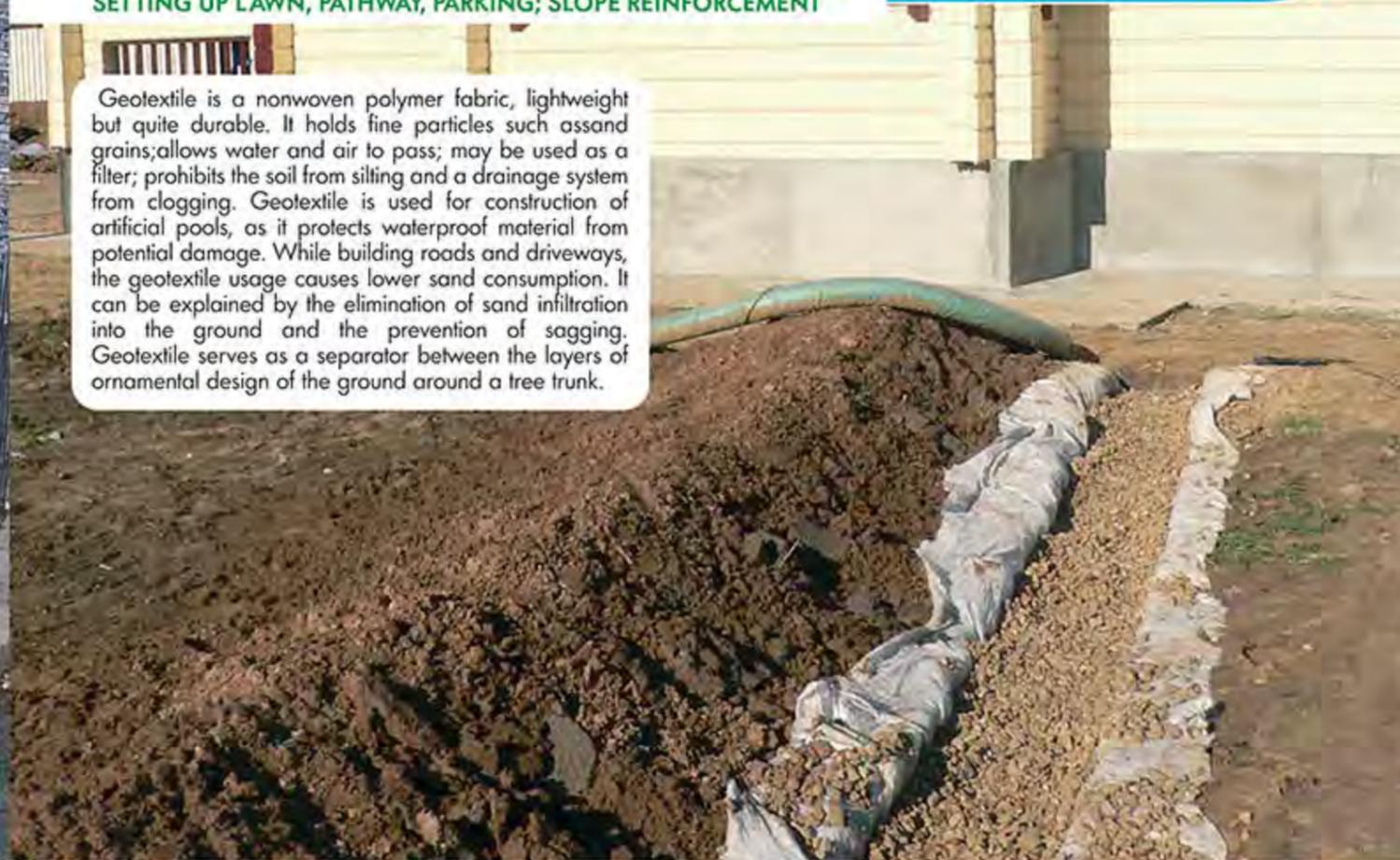
Gabions are box-shaped constructions made of galvanized steel wire, which is welded in every intersection point. They are used for retaining walls under 1.5 m tall and for original design solutions. The fill material may be of any kind starting with crushed stone and ending with synthetic crystals, depending on the stated aims.



NEEDLE-PUNCHED NONWOVEN GEOTEXTILE

SETTING UP LAWN, PATHWAY, PARKING; SLOPE REINFORCEMENT

Geotextile is a nonwoven polymer fabric, lightweight but quite durable. It holds fine particles such as sand grains; allows water and air to pass; may be used as a filter; prohibits the soil from silting and a drainage system from clogging. Geotextile is used for construction of artificial pools, as it protects waterproof material from potential damage. While building roads and driveways, the geotextile usage causes lower sand consumption. It can be explained by the elimination of sand infiltration into the ground and the prevention of sagging. Geotextile serves as a separator between the layers of ornamental design of the ground around a tree trunk.



ADVANTAGES:

- Much more lightweight than a concrete edging
- Don't absorb solar heat
- Frostresistant
- Flexible
- Durable



ADVANTAGES:

- Safe for the environment
- Frostresistant
- Durable



Article	Trade name	Height, mm	Width, mm	Length, m
PB-45/90	Plastic Geoborder (Russia)	45	90	1.5
Article	Trade name	Gabion dimensions as an assembled structure, m	Gabion kitset includes: panels (size, m; quantity) & spiral fasteners (size, m; quantity)	Mesh hole size, mm
GI 0.5*0.25*0.25	Galvanized Steel Gabion	0.5*0.25*0.25 m wire diam. 3.8 mm (6 panels and 8 fasteners)	0.5 x 0.25 - 4 panels 0.25 x 0.25 - 2 panels 0.65 - 8 fasteners	60x40
GI 0.75*0.25*0.5	Galvanized Steel Gabion	0.75*0.25*0.5 m wire diam. 3.8 mm (6 panels and 10 fasteners)	0.75 x 0.5 - 2 panels 0.75 x 0.25 - 2 panels 0.5 x 0.25 - 2 panels 0.65 - 6 fasteners 0.8 - 4 fasteners	
GI 0.5*0.5*0.5	Galvanized Steel Gabion	0.5*0.5*0.5 m wire diam. 3.8 mm (6 panels and 12 fasteners)	0.5 x 0.5 - 6 panels 0.65 - 12 fasteners	



Geotextile application for Dry Creek Bed Design

ADVANTAGES:

- Versatility
- Easy to handle
- Rot-proof
- Age resistant
- Safe for the environment

GTL 100/100/30



Article	Trade name	Roll width, m	Roll length, m	Color
GTL 100/100/30	Nonwoven fabric 100 g/m ²	1	30	Beige
GTL 100/160/30	Nonwoven fabric 100 g/m ²	1,6		
GTL 100/210/30	Nonwoven fabric 100 g/m ²	2,1		
GTL 150/100/30	Nonwoven fabric 150 g/m ²	1		
GTL 150/160/30	Nonwoven fabric 150 g/m ²	1,6		
GTL 150/210/30	Nonwoven fabric 150 g/m ²	2,1		
GTL 200/100/30	Nonwoven fabric 200 g/m ²	1		
GTL 200/160/30	Nonwoven fabric 200 g/m ²	1,6		
GTL 250/210/30	Nonwoven fabric 200 g/m ²	2,1		

EROSION CONTROL MAT (GEOMAT)

SLOPE REINFORCEMENT

Erosion Control Mat is a 3D multilayer material consisting of a system of plastic nets melted together. Geomat performs a protective function against the erosion of slopes or coastlines, including river banks, lake side, storage ponds and pools edges, drainage gutter sides. It eliminates the processes of soils washing-out and weathering, giving an opportunity to arrange quickly and neatly green spaces on the sloped ground. The mat is very flexible – it can be easily laid out and adapts to the uneven shape of the land. Due to its structure the geomat is able to keep securely seeds and grains of soil, whereby creating favorable conditions for plants sprouting and root system strengthening. This mat is UV-resistant, insensitive to aggressive soil, chemically and biologically stable, harmless to the environment and human activity. Erosion Control Mat enables the reinforcement of a slope with an inclination of more than 45 degree. The upper and the lower edges of the mat are to be fixed in the prepared trenches with fixing hooks with the interval of about 1 m; in the middle the fixing hooks should be arranged in chessboard order at a distance of 1.5-2 m from each other.



LANDSCAPE GARDENING GEOCELLS

SLOPE REINFORCEMENT

For the reinforcement of the slope with an inclination of less than 45 degree one uses Geocells, which represent a honeycomb-like structure consisting of ultrasonically welded high-density polyethylene (HDPE) strips. A geocells module must be expanded on-site, evenly distributed on the slope and anchored with r-shaped fixing hooks or pegs. Then the cells can be filled with crushed-stone, sand, soil, rock, gravel or concrete.



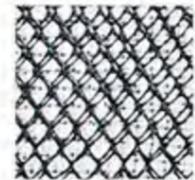
1. Slope stability analysis



2. Laying the mat out, fixing it to the ground



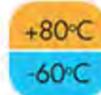
PM/0.95/25



3. Seeding



4. Reinforced slope

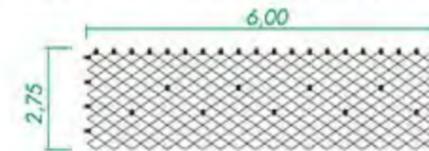


ADVANTAGES:

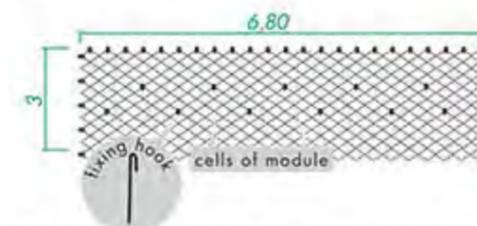
- Safe for the environment
- Frost resistant
- Durable
- Easy to handle
- Rot-proof & corrosion-proof

Article	Trade name	Roll width, m	Roll length, m	Color
PM/0.95/25	Erosion Control Mat	0,95	25	Black
PM/0.95/10	Erosion Control Mat	0,95	10	
PM/1.9/25	Erosion Control Mat	1,9	25	

Calculation of fixing hooks required per module:



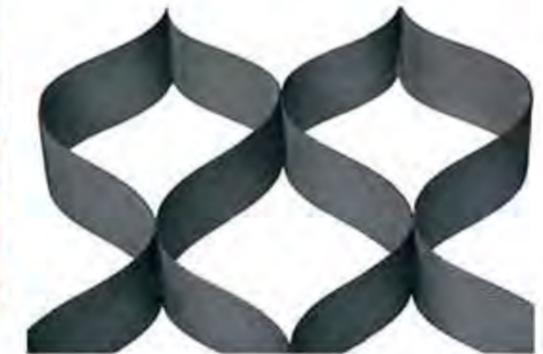
For fixing 16 sq.m module one needs 37 fixing hooks.



For fixing 20.4 sq.m module one needs 41 fixing hooks.



ORL-5/160



ADVANTAGES:

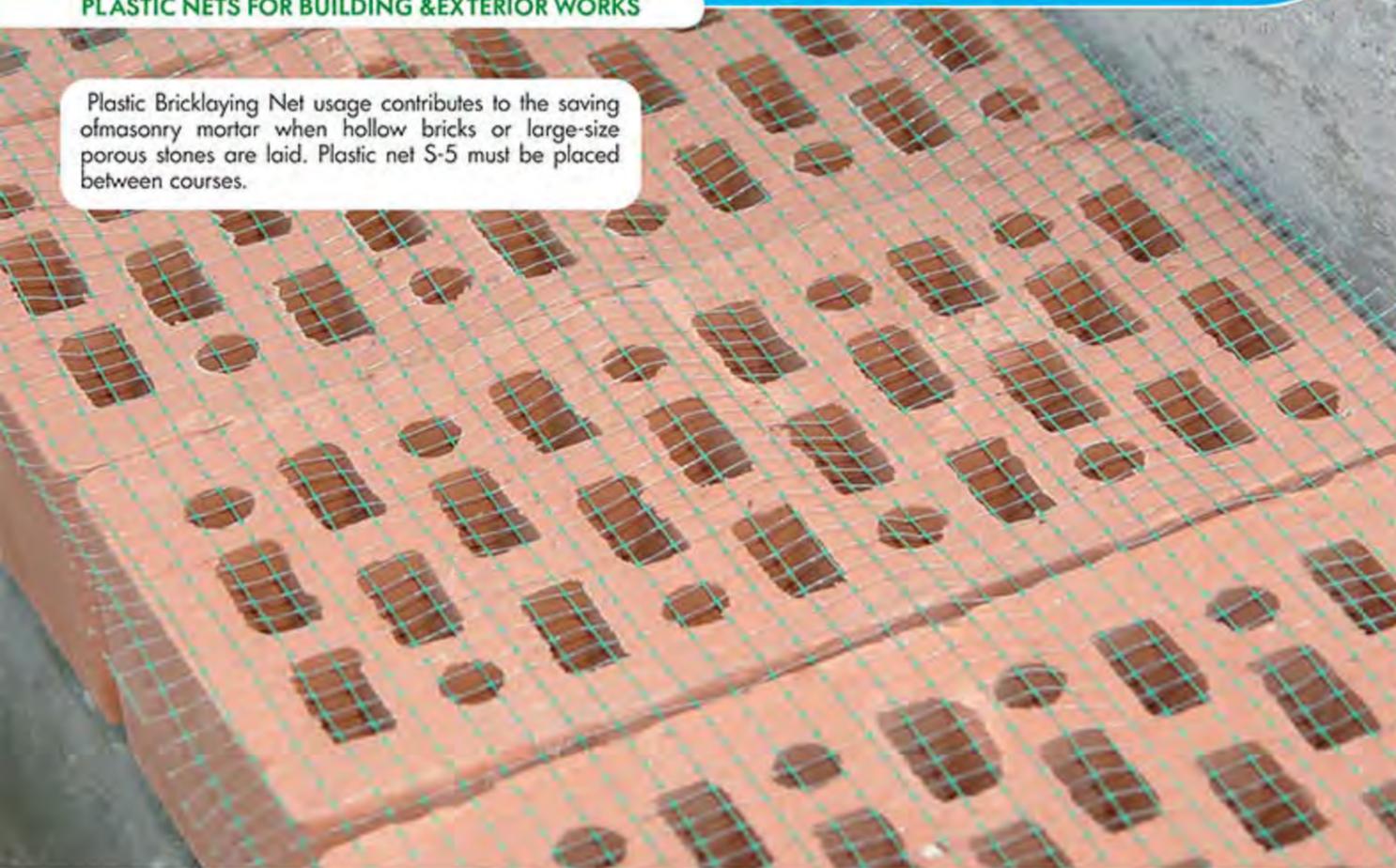
- Safe for the environment
- Frost resistant
- Durable
- Easy to handle
- Corrosion-proof

Article	Trade name	Cell dimensions (width * length * height), mm	Size of expanded module	Color
ORL-5/160	Polymer Geocells	160*160*50	1.96 x 5.1 m or 10 sq. m	Black
ORL-7.5/160	Polymer Geocells	160*160*75		
ORL-10/160	Polymer Geocells	160*160*100		

PLASTIC NET FOR HOLLOW BRICK LAYING

PLASTIC NETS FOR BUILDING & EXTERIOR WORKS

Plastic Bricklaying Net usage contributes to the saving of masonry mortar when hollow bricks or large-size porous stones are laid. Plastic net S-5 must be placed between courses.



Without Bricklaying Net



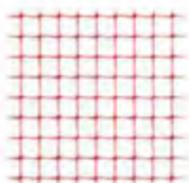
With Bricklaying Net



ADVANTAGES:

- Rot-proof & rust-proof
- Reduces man-hours by 30 %
- Lightweight
- Less expensive than its glass-fiber or metal alternatives
- Absence of thermal bridges
- Eliminates the penetration of masonry mortar into the hollows of material

S-5/0.5/100



Article	Trade name	Mesh hole size, mm	Size, m	Color
S-5/0.5/100	Bricklaying Net	5*5	0,5*100	Black Orange
S-5/0.4/100		5*5	0,4*100	
S-5/0.1/100		5*5	0,1*100	

DRAINAGE GEOCOMPOSITE

DRAINAGE

Drainage Geocomposite fulfills drainage, filtering and protective functions. Provides an alternative to crushed-stone drainage systems. Available in two variants: 2- or 3-layer materials.



Slope drainage



Lawn drainage



Drainage close to the wall



ADVANTAGES:

- Reliable & long-lasting drainage
- Minimal deformation under stress
- Filtration capacity comparable to that of 10-15 cm crushed-stone layer
- Rot-proof & rust-proof
- Lightweight
- Lower time & material costs

DM-10/1/10



Article	Trade name	Roll width, m	Roll length, m	Color
DM-10/1/10	3-layer Drainage Geocomposite	1	10	Black
DM-10/1/30		1	30	
DM-10/2/30		2	30	

GEOMEMBRANE FOR STRIP FOUNDATION

HYDROISOLATION FOR STRIP FOUNDATION

An effective solution of damp walls problem and the prevention of fungi infection, which results from the moisture, soaking up through the pores of foundation. The membrane can serve as a vertical outer isolation for shallow foundation; in this case fastening laths or bitumen-like binding agent must be used.



NET FOR GUTTER

GUTTER PROTECTION

The net prevents fallen leaves, small animals, birds and litter from clogging a gutter. One installs it into the gutter and the net unfolds itself due to its elasticity. For convenience, the pieces of Net for Gutter may be fixed beforehand with plastic ties.



Article	Trade name	Thickness, mm	Size, m	Color
LG/0.25/10	Hydroisolation Band	0,7	0,25*10	Black
LG/0.25/30			0,25*30	
LG/0.25/50			0,25*50	
LG/0.5/10			0,5*10	
LG/0.5/30			0,5*30	
LG/0.5/50			0,5*50	

ADVANTAGES:

- Resistant to mechanical loads
- Durable
- Long-lasting
- Enhances quick construction



ADVANTAGES:

- Rot-proof & corrosion-proof
- Reduces the frequency of gutter cleaning
- Easy to install
- Frost resistant
- Reusable



F-7/0.4/9



Article	Trade name	Mesh hole size, mm	Size, m	Color
F-7/0.4/9	Net for Gutter	7*7	0,4*9	Black

FASTENERS & ANCHORS

RELATIVE GOODS

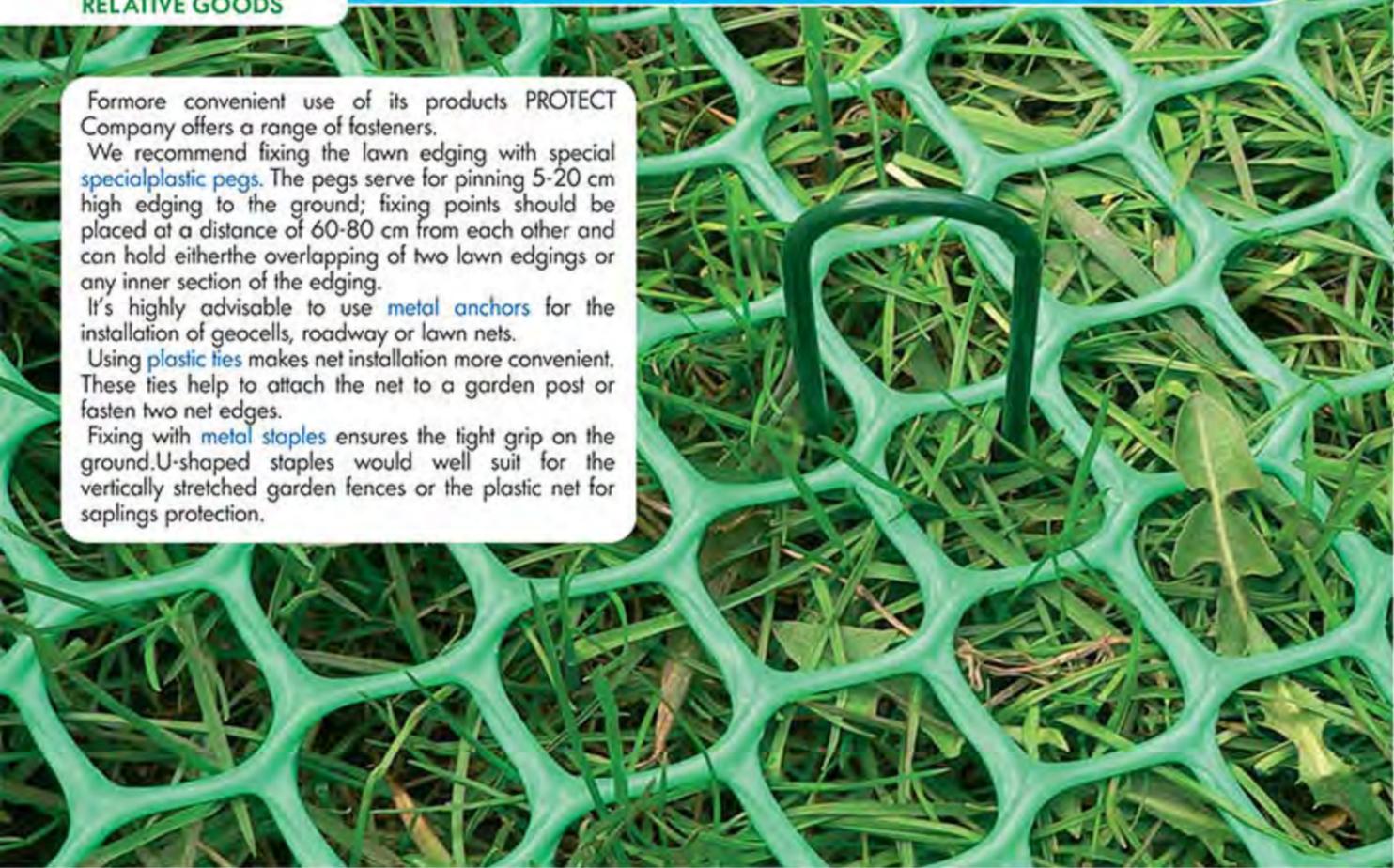
For more convenient use of its products PROTECT Company offers a range of fasteners.

We recommend fixing the lawn edging with special **plastic pegs**. The pegs serve for pinning 5-20 cm high edging to the ground; fixing points should be placed at a distance of 60-80 cm from each other and can hold either the overlapping of two lawn edgings or any inner section of the edging.

It's highly advisable to use **metal anchors** for the installation of geocells, roadway or lawn nets.

Using **plastic ties** makes net installation more convenient. These ties help to attach the net to a garden post or fasten two net edges.

Fixing with **metal staples** ensures the tight grip on the ground. U-shaped staples would well suit for the vertically stretched garden fences or the plastic net for saplings protection.



Article	Trade name	Diameter, mm	Size, mm	Color
H 3-100	Plastic Tie		3*100	Green
H 4-200			4*100	Black
H 4-200			4*100	Green
H 8-400			8*100	Black
H 8-400			8*100	Green
K-295/6	Plastic Peg		0,5*30	Brown, Khaki Black
K-150/3/10	U-shaped Metal Staple	ø 3	0,5*50	Green
KMS-6/300	Unpainted Metal Building Anchor	ø 6	60*300	
KMS-6/500			60*500	
KMS-6/800			60*800	

WE INSPIRE YOU FOR CREATION OF COMFORTABLE ENVIRONMENT

Our website shall offer up-to-date information:

npkprotect.ru

8-800-200-10-93

Within Russia calls are free.

You may email photos of your garden with the application of our products to the address:

info@nprotect.ru

Please, state "MY GARDEN" in your message subject!

FOR A GARDEN FENCE

FOR SLOPE REINFORCEMENT

FOR A FLOWER BED

FOR A VEGETABLE PLOT

CONVENIENT

COST-EFFECTIVE

FOR CROP YIELD

FOR PLANT PROTECTION

CONVENIENT

FOR A POULTRY RUN

FOR CONSTRUCTION SITE



FOR A GARDEN FENCE

FOR A VEGETABLE PLOT

PROTECT Company
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 Tel.: 8-800-200-10-93
 npkprotect.ru

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