

Information and installation manual. Backyard Agri DIY Tunnels. Your Farm in a Box

Backyard Agri DIY Greenhouse Tunnels.

The tunnels are designed as follow:

- # Build and Tested by a Farmer for the homeowner and commercial industry.
- # We do not use standard HDPE Water Pipes, but HDPE pipes especially excluded with extra support.
- # All spacers supplied are 1.5m Long and made of aluminium to be maintenance free.

The hollow profile of our HDPE pipe with its ventilation properties makes it ideal:

- # High temperatures
- # Makes it extremely rigid.
- # Impact and weather resilient

Traditional Greenhouses are spaced in 3m segments, We Wanted to build a stronger product for our clients and minimize the movement of plastic and shade netting to reduce the wind drag area.

- # We Decided to Space our frames Closer Apart to give maximum resistance and durability.
- # All our Tunnels are supported with steel and Steel Bolts, to give maximum Durability

We Cover our Tunnels with a 40% Agricultural Shade net offers crop protection and temperature control.

- # Helps to Protect against Environmental Hazards, Hail, Heavy Rain etc
- # Helps to Protect from Flying Pests (Birds and Bats and larger Insects)
- # We believe in dropping our Tunnels netting into the ground as this decreases the risk of pests and increases durability.
- # Industrial Zips are used in our tunnels and allows for the tunnel to be opened and Closed Easily,

How to install your Backyard Agri Tunnel

The following parts will be delivered to you:

1. Arch Poles

- 1.1. Uncut 6m/7.2m arch poles OR
- 1.2. Cut 2m/2.4m cut arch poles

2. Aluminium Spacers (Wrapped with Arche Poles)

3. A Bag holding

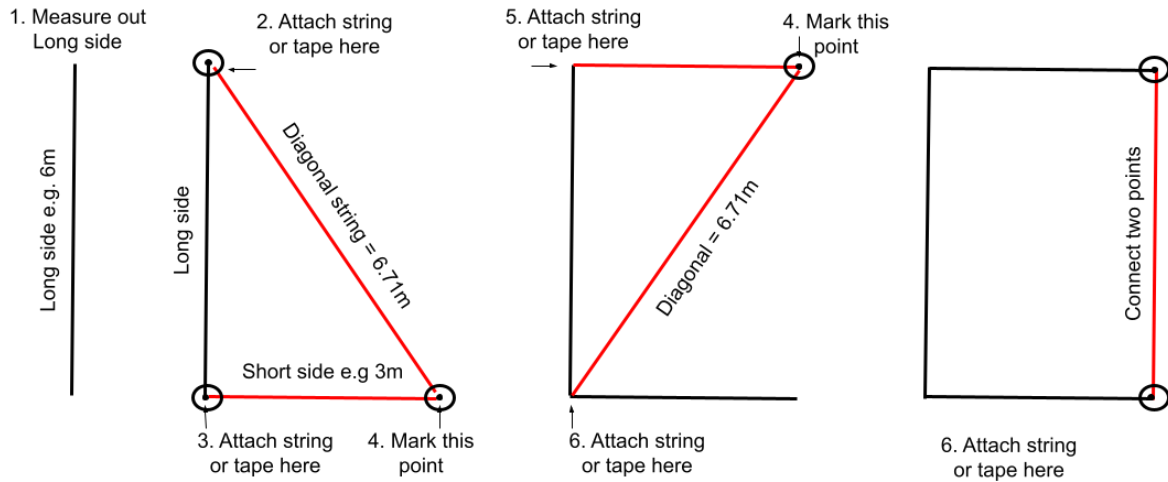
- 3.1. Shade net
- 3.2. Front and Back End (Front with Zip)
- 3.3. Y-Poles
- 3.4. Cable Ties and Staple gun



Installation

Measuring out the area

- Measure out your area eg 3.2 Wide x 6m Long
- Make sure your measurements are accurate and the area is squared
- **How to square an area**
 - Measure out the long side of the rectangle
 - Have a measuring tape or piece of string to the length of the diagonal
 - Have another measuring tape or piece of string the length of the short side.
 - Attach the diagonal string to one end of the long side and the short side string to the other end of the long side
 - Move the strings until they meet. That point is the corner of your tunnel.
 - Repeat for the other short side to find the other corner of your tunnel



PLEASE NOTE AND UNDERSTAND THE FOLLOWING:

Why 3,2- 3.6m and 4,4 - 4.6m wide Tunnels?

There are 2 x Lengths of pipes available (6m Long and 7.2m Long)

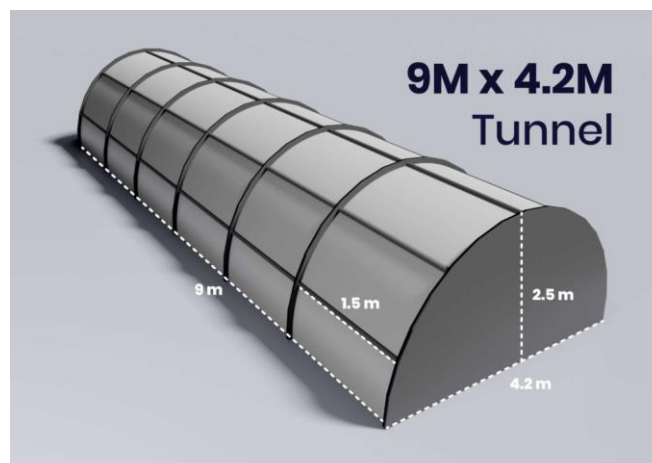
6m Arch Pole Pipes - 3.2 to 3,6m wide on Tunnels covered with 20 and 40% Netting.

6m Arch Pole Pipes - 3.2m Max if covered with 80% Netting or Knipol Plastic.

7.2m Arch Pole Pipes – 4.4 to 4.6m wide on Tunnels covered with 20 and 40% Netting.

7.2m Arch Pole Pipes – 4.4m Max if covered with 60, 80% Netting or Knipol Plastic.

The length of tunnel does **NOT Matter**. All Tunnels will have 1.5m Spacers therefore 3 to 30m Available.



Y-Poles

- Take the Steel Y-Standards and hammer them into the ground at 1.5m intervals
- They will have to stick out approximately 40cm or 400mm (Not Less)
- Position Y poles in such a way that the arches will fit correctly over.



Please Note!

If Tunnel is ordered in 80% Netting or Plastic Knipol, Y-Poles will be replaced by 800mm long Steel Y- Standards. Noy your standard 600mm.

NB!!!!!!

If tunnel will be erected on soft ground, please ensure that Y-Standards are grounded properly.

Meaning – They are secured and NOT lose to pull out by Hand.

In Wind Areas!!!!!!

Make sure the feet of tunnel cannot be lifted.

Meaning – Plastic poles have NO CHANCE to be lifted by wind.

800mm Steel Y-Standards will be providing with all 80% or Knipol Tunnels to firmly Secure poles in the ground.

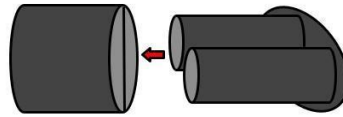
Arch Poles Uncut



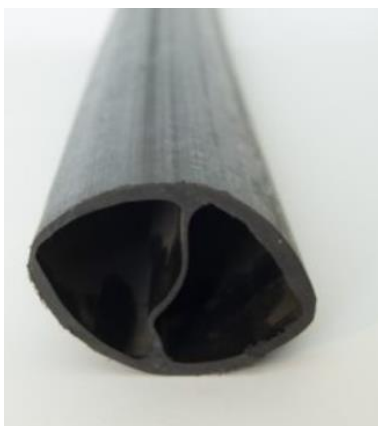
- Put arch poles in the sun to make them easier to bend
- Take one arch pole, fit over a Y-Standard
- Bend over and fit over the opposite Y pole
- Repeat with all arches



Arch Poles Cut

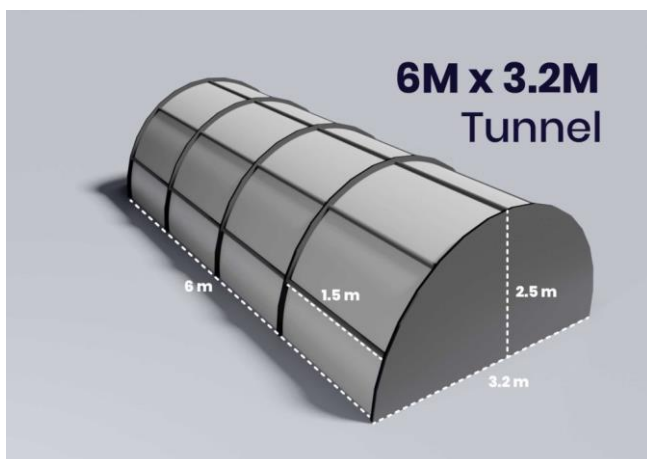


- Put arch poles in the sun to make them easier to bend
- Arch poles are cut into 3 sections
- Match the letters of the 3 sections e.g A1, A2, A3 form one arch
- Fit the small poles into the holes of the matching sections
- The small poles fit very tightly into their corresponding holes
- A hammer may be needed
- To complete the arches, follow the instructions for the uncut arch poles



Aluminium Spacers

- Install aluminium spacers by putting in the holes
- Twist and turn till they are properly in the arch poles
- A few taps with a hammer will help



Shade Net



- Unroll the shade net
- Pull shade net over the arches and position that all sides and back to front are equal
- Staple the shade net to the top of the front arch first
- Pull tightly to the back and staple to the top of the back arch
- Fold the shade net over the arch and staple to the complete front arch
- Pull tightly to the back arch and staple shade net to the complete back arch.
- Attach the shade net further with the long cable ties to the front and back arches.
- Use the remaining long cable ties at the connections of the arches and spacers of the remaining arch poles
- The very top connections are usually not tied to ensure space for expansion and contraction of the arches

Front and Back Ends

- Centre the zip on the front end and determine the length to the ground
- Staple the front end to the front arch
- Cut off excess with a pair of sharp scissors
- Centre the back end and determine the length to the ground
- Staple the back end to the back arch
- Cut off excess with a pair of sharp scissors

