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AGRICULTURAL STRUCTURES AND ENVIRONMENTAL CONTROL BTAP3105

FARM FENCING

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Farm fencing:

Fencing may be used to protect or divide property, to improve its appearance, to confine animals, or to exclude animals.

Types of fencing:

- Woven mesh type
 - Large mesh type
 - Close mesh type
 - Hexagonal mesh type

Barbed wire fencing

- Plain wire fencing
- Welded wire fencing
- Electrical fencing



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Large mesh type fencing:

Large mesh type fences are more popular for general farm use than any other type. Properly galvanized, such weather protected wires are particularly used for large animals, cattle, buffaloes, horses, etc. the space between the vertical wires is kept between 15 and 30 cm whereas the space between the horizontal wires varies between 7.5 and 22.5 cm. The space between the horizontal wires is closer at the bottom and increases towards the top of the fence.





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Close mesh type fencing:

The close mesh type fence may be considered as an ideal fence for poultry houses, rabbits and goats. Up to the first 43 cm height the spacing between the horizontal wires varies between 4 and 8 cm. In this type of fencing, the horizontal wires are made heavier than the vertical wires and the vertical wires are wrapped round the horizontal ones.



Hexagonal mesh type fencing:

Hexagonal woven type wire are uniform all through their height.





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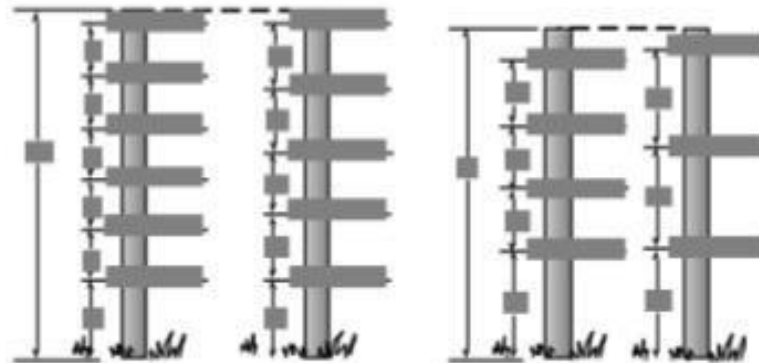
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Barbed wire fencing:



Barbed wire fences are made of two or more strands of smooth, galvanized-coated, steel wire twisted together with two or four barbs spaced every 4 to 5 inches.

They are generally classified as either a standard or suspension barbed wire fence. Standard barbed wire fences usually have three to five strands of barbed wire stretched between posts that are spaced between 15 to 25 feet apart.





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Plain wire fencing:

- ✚ Plain Wire Standard galvanised wire is suitable for most fences and has a single coating.
- ✚ Heavy galvanised wire with its thicker coating is more resistant to corrosion and should be considered in higher rainfall and coastal areas.
- ✚ Low tensile wire (soft wire) is used in most conventional fences with close spaced posts.
- ✚ Thicker wire should be used in higher pressure situations.
- ✚ High tensile wire has a higher breaking strain providing more strength to the fence and suitable for high pressure situations, longer fence strains and wider post spacing's.
- ✚ High tensile requires more accurate straining and are more difficult to handle and knot than soft wire.



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Welded wire fencing:

This is similar to the woven, but the horizontal and vertical wires are welded together to form a large, as well as small, mesh at different heights for particular purposes. These wires are available in rolls of 100 metres having heights varying from 1 to 1.5 m. this material is generally preferred for demarcating the boundary of a farm and works well with hedge.





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Electrical fencing

Electric fencing provides a number of benefits. It is:

- Effective in animal control and pasture management
- Cost Effective
- Easily constructed and maintained
- Easily modified to suit requirements
- Light weight and easy to construct
- Long-lasting due to low physical contact from animal leaning on fence