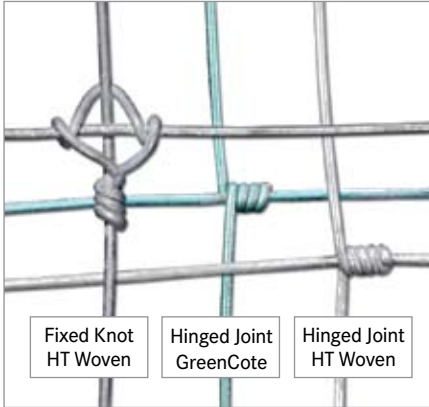


# Permanent Wire Fence Comparison Charts and Information



## Fixed Knot vs. Hinged Joint

Fixed (sold under various brand names) is superior and stronger. Knots are much less likely to slip when impacted by animals.

But fixed knot woven wire is usually more expensive. So there's a cost-benefit trade-off. For outlying field fences, hinged joints have met our needs so far. For fences with more frequent animal traffic, fixed knot fences are well worth the extra cost.

Hinged joint woven wire verticals are usually medium tensile wire (to allow it to be twisted). Fixed knot verticals, on the other hand, are high tensile.

## Which gauge—11, 12.5 or 14?

Mild steel fence is often larger (11 gauge).

Then HT wire and Class III galvanizing technology enabled the smaller 12.5 g. wire to provide the same strength and durability against rust for less cost per ft per mile.

Now the option of fixed knots for woven wire has enabled even smaller (14 gauge) HT wire to yet again provide similar fence strength and durability with still less lbs of steel (and \$\$) per mile of installed fence.

## Vertical spacing—3, 6, 9 or 12"?

Woven wire with 12 in. vertical spacing is less \$\$\$. It will stop cattle, sheep, goats, pigs and guard dogs—but offset hot wires are required. Coyotes, baby lambs and goat kids are still likely to penetrate it.

The 9 in. verticals work well at Premier.

But 6 in. verticals entrap sheep and goat heads, so we never use it.

When we need closer spacing, we opt for 3 in. It stops nearly all livestock (including their offspring) and their predators. We still add an offset hot wire to keep animals from climbing or rubbing against the fence.

## Woven Wire Comparison Chart

	Anti-Rust Protection	Gauge of Line Wires	Vertical Spacing
Fixed Knot HT	Very good	14	12"
Hinged Joint HT	Very good	12.5	9"
Hinged Joint GC HT	Excellent	12.5	9"
Farm Store	Fair	varies	6", 12"



## Smooth Wire Comparison Chart

	Anti-Rust ability	Outer Coating	Tensile Strength
Galvanized HT	Good	zinc	200,000 psi
GreenCote HT	Excellent	zinc + polymer	155,000 psi
Mild steel wire	Poor	zinc	90,000 psi



## Barbed Wire Comparison Chart

	Gauge of Line Wires	Gauge of Barb	Distance Between Barbs	Barb Length	Rust Rating
GreenCote	12.5	14.5	3.2"	0.55"	Excellent
Farm Store	14	16.0	3.1"	0.45"	Fair