

Over The Fencepost

Alternatives to CCA (Copper Chromium Arsenate) treated wood





The Eco trellis system has been designed to replace all other trellis systems commonly used in the wine industry. The system has superior features and benefits that offer a cost effective and ecologically friendly package for growers.

NO stock piles of broken posts ✓ **NO landfills with broken timber** ✓ **Recyclable** ✓



THE ROTALOCK CLIP
The Rotalock™ clips do not require additional tools for installation.
The clip system offers easy to use multiple height settings for wire adjustment.
No more nails, No more screws, No more punctures.
The Rotalock clip excelled with its design, strength and durability features compared to other systems under test conditions.



GRF
The ground retention flange decreases sinking and lifting issues in undulating ground conditions.

THE AGPOST
The AgPost new innovation for ground retention exceeded all posts by a factor of 4 when tested in vertical pull out trials. (Patent Pending 577942)
The AgPost has an expanded footing to reduce post sinking and lifting issues.
The post has a rolled end that provides inbuilt net protection.
Round profiles allow easy orientation of the post. They also protect harvester bow rods from damage.
Superior life cycle over timber treated posts.
The trellis system is easy to drive in all ground conditions.

CONTACT DETAILS:
P: +64 4 576 1883 Toll Free: 0508 NZTUBE
F: +64 4 568 9153
E: sales@nztubemills.co.nz www.nztubemills.co.nz

Distributed by
PGG Wrightson
Fruitfed Supplies



Comparisons of replacements for CCA (Copper Chromium Arsenate) treated wood allowable under USDA NOP regulations

Organics Aotearoa New Zealand (OANZ): Version 2 October 2010

Background Information to this resource:

This resource was developed in response to needs indicated by the members of Organics Aotearoa New Zealand (OANZ). Prior to 1 July 2010 Copper Chromium Arsenate (CCA) treated timber was commonly used for fencing and trellising on certified organic production, including in horticultural, viticulture and pastoral settings.

Following an audit in 2008, United States Department of Agriculture (USDA) regulators signaled that the use of CCA treated timber was prohibited on United States Department of Agriculture National Organic Programme (USDA NOP) certified properties. A phase-out period was negotiated by the New Zealand Food Safety Authority (NZFSA), meaning that the use of new or recycled CCA treated timber for new or replacement construction must be discontinued from 1 July 2010.

Current Organic Management Plans for USDA NOP certified properties, including livestock farms, must address how the property will be managed without the use of CCA treated posts and timber, including without both new and recycled posts and timber, for new installations and replacement purposes from 1 July 2010.

Alternatives to CCA treated posts and timber

NOP compliant fencing materials include:

- Metal such as steel and aluminum
- Concrete
- Ground durable timbers such as chestnut, robinia, some eucalypts, and macrocarpa.

NOP compliant building materials include all untreated timbers.

Inclusion of a product in this resource does not ensure its acceptability under the USDA NOP, as individual specifications and manufacturing processes may need to be individually advised and assessed as to its suitability or otherwise. An individual's only guarantee of suitability is your certifier's written approval.

OANZ has collated the above information from information supplied to it by the respective producers and manufacturers listed. OANZ does not endorse any particular product or warrant that any of them are fit for the purposes stated in the material in this resource.

Please note: Pricing accurate at time of writing but subject to change. All prices are subject to confirmation on ordering. Large quantities may attract additional discounts. Some product ranges have other options in terms of length etc. For the purposes of this exercise standardized lengths applicable within agriculture, viticulture, horticulture and kiwifruit industries were used. Please contact the manufacturers or distributors direct for other options.

Please note: All inputs to the USDA NOP certified property must have prior approval in your Organic Management Plan before use.

Alternative timbers

<p>Photo not supplied</p>	<p>Eucalyptus Globoidea, Saligna or Botriodies posts Natural, locally grown, untreated, less sapwood than other Eucalypts, rated as moderately durable.</p> <p>Installation: Pneumatic or hydraulic Post driver, Auger or vibrating head. Ground durability: 100mmx100mm square post lasts up to 30 years Sizes available: Can be milled to individual specifications. Square or oblong posts as per customer requirements. Application/Suitability: Viticulture, pastoral, kiwifruit, horticulture Associated products: n/a Size/Prices: 2.4m = \$25.00 + GST (100mmx100mm) Price for individual lines of posts on enquiry. Strictly limited supply.</p> <p>Manufacturer/Distributor: Mike and Rob Moores, Tauriko Sawmills, Ph 07 5433479, Mobile 027 2712011 or 027 4490808, mooreswood@xtra.co.nz, www.taurikosawmill.com</p>
	<p>Wallaba Posts Natural hardwood No leachates, extremely strong, sustainably and responsibly harvested by the Guiana Forestry Commission (GFC) to support the local Arawa Indian community at a village level in French Guiana (South America) Approved for buildings and piles. Cost effective, reliable.</p> <p>Installation: Pneumatic or hydraulic Post driver, Auger or vibrating head. Ground durability: Up to and beyond 20 years Application/Suitability: Viticulture, pastoral, kiwifruit. Associated products: n/a Size/Prices: Intermediate - 1.8m, 2.1m, 2.4m, 2.7m price range from \$25.00 to \$45.00 + GST Strainer - 1.8m, 2.1m, 2.4m, 2.7m price range from \$30.00 to \$55.00 + GST All pricing based on full containers loads and final destination calculations Note: Due to very limited supply and increased demand (and due to South American rainy season) it is strongly advised orders are coordinated 6-12 months in advance.</p> <p>Manufacturer/Distributor: South Island - Steve Lyons (RURALit, Christchurch), Mob (021) 240 2940, steve@ruralit.co.nz North Island - Ken Wickham, Mob (021) 960 0438</p>

Photo not supplied

Australian Hardwood – Queensland Cypress, River Eucalyptus, Karri Eucalyptus

Natural untreated hardwood sourced from Australia. These are stronger/denser than pine therefore product dimensions can be smaller for the same strength capabilities.

Installation: Pneumatic or hydraulic Post driver, Auger or vibrating head.

Ground Durability: 15 – 20 years

Application/Suitability: Viticulture, pastoral, kiwifruit, horticulture

Associated products: Douglas Fir railings.

Size/Prices: Baton: 50x50 1.2m = \$4.44

Intermediate: 100x100 - 1.8m = \$35.52, 2.1m = \$41.44, 2.4m = \$44.64, 2.7m = \$52.00

Strainer: 150x150 2.4m = \$121.86

Prices are plus GST and freight ex Turtons yard Masterton. Prices are subject to Exchange rate, shipping, freight. Prices for large lines can be quoted ex port of Auckland for cost savings.

Manufacturer/Distributor:

Turtons Farm Supplies Ltd 13 Norfolk Road, Carterton, Wairarapa, Phone 06 3773971, admin@turtons.co.nz, www.turtons.co.nz

Concrete



Pali Posts

Pre stressed reinforced concrete posts.

No rust, salt resistant, maintenance free, durable.

Installation: Pneumatic or hydraulic Post driver, Auger or vibrating head.

Ground durability: 50- 100 years

Sizes available: Pali Posts are available in the following profiles: 60mm, 70mm, 80mm and 90mm.

Application/Suitability: All farming and horticultural uses – vineyards, sheep & beef, orchard, deer

Associated products: Associated clips and accessories available. End assemblies and stays. wire clips, spreaders, anchor and ground screws, wire

Size/Prices: Intermediate: 70mm - 1.8m = \$14.90, 2.1m = \$17.40, 2.4m = \$20.00, 2.7m = \$22.45

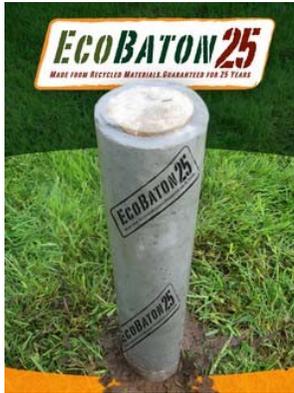
Strainer: 90mm - 1.8m = \$23.29, 2.1m = \$27.15, 2.4m = \$31.08, 2.7m = \$34.94

Quote on container basis only-mixed post prices requires a requote.

Prices are plus GST and freight from port of Auckland or ChCh.

Manufacturer/Distributor:

Peter Iremonger, PI Trading, 5 Hoskins Road, Kirwee, Canterbury, Ph 03 3181344, Fax 03 3181344, Mobile 027 6451894, enquiries@paliposts.com, www.paliposts.com



Ecobaton 25 ECC Concrete

Untreated wood core with fibre reinforced concrete coating.

Made in NZ from recycled & renewable resources, may be coloured (if desired), lighter & stronger than standard concrete posts, can use standard fencing hardware, flexibility not seen with concrete (5MPa flexibility strength), unique fibre reinforced concrete (ECC). Can use standard fencing hardware. Posts termite, rot & corrosion-proof.

Installation: Hydraulic or pneumatic post rammer – use supplied cap, vibration hammered and water drilling.

Ground durability: 25 years

Sizes available: Intermediate posts - 110mm diameter

End of line/Strainer posts – 150mm diameter.

Application/Suitability: Viticulture, pastoral, horticulture, deer fencing, security fencing, Kiwifruit trellis, security fencing.

Associated products: Fastenings, currently concrete nails & testing tek screws, wire & normal installation

Size/Prices: Intermediate: 1.8m = \$20.33, 2.1m = \$21.48, 2.4m = \$22.52, 2.6m = \$23.21

Strainer: 1.8m = \$25.38, 2.1m = \$27.22, 2.4m = \$29.17, 2.7m = \$30.43

Ex Whangerei, + freight and GST

Manufacturer/Distributor:

Exclusively manufactured & distributed by EcoBaton Ltd, Whangerei, Ph 0508ecobaton, info@ecobaton.co.nz, www.ecobaton.co.nz

Plastic Composites



Advanced Plastic Recycling (APR)

Wood Plastic Composite (WPC) (Recycled plastic/untreated timber)

Consistent spec's, Chemically inert, UV resistant, supports recycling, lighter and easier to handle than wood, metal or concrete, cut to size, zero wastage. Doesn't crack, rot, rust, weather. Can be easily cut, drilled, screwed, bolted and stapled into. Environmentally sustainable

Installation: Pneumatic and hydraulic Post driver, vibration hammered and water drilling and even the good old post hole digger – manual installation.

Ground durability: This will be based on application. From 1 year to 40 years

Sizes available: 100mm hollow round, 100mm solid round, 70mm solid round, 140mm hollow round - All available in various lengths, made to order – enquire to find out more.

Application/Suitability: Viticulture, Pastoral, Aquaculture, Fencing, Horse Stables, Organic and more.

Associated products: Hollow post, Solid post, Bollards, Sleepers, Strainer posts, Planter beds, Fencing planks (150mm x 25mm or 140mm x 40mm) - all manufactured to various lengths starting from \$7.60 per linear metre

Size/Prices: Intermediate: 100mm hollow round - 1.8m = \$10.80, 2.1m = \$12.60, 2.4m = \$14.40, 2.7m = \$16.20

Strainer: 150mm x 150mm hollow - 1.8m = \$57.60, 2.1m = \$67.20, 2.4m = \$76.80, 2.7m = \$86.40

All pricing ex Australia and + GST

Manufacturer/Distributor:

Manufacturer: Advanced Plastic Recycling(APR), Lot 9, 500 Churchill Road, Kilburn, South Australia 5084, Ph (+61) 8 83594999, sales@a-p-r.com.au, www.a-p-r.com.au

Distributor: APR will appoint a network of outlets in NZ and landed costs into New Zealand can then be calculated



Wood-Shield Pty Ltd

Untreated bare timber post with polyethylene plastic coating and cap.

These posts have the strength & rigidity of pine combined with the protective properties & toughness of plastic. Strong, rigid, UV resistant, rot resistant recycled plastic. Handling as per use of timber posts which can be screwed, nailed, bolted & stapled. Environmentally friendly – BFA Registered product

Installation: Pneumatic and hydraulic Post driver , Auger or manual install

Ground durability: 20 years +

Sizes available: 83mm & 125mm diameter post. Lengths up to 5.5m

Application/Suitability: Viticulture, Aquaculture, Orchard & general Fencing

Associated products: Clev-a-clips for vine training/ securing

Size/Prices: 2.3 m Long x 85mm Diameter = \$16 Including GST plus delivery charge ex Marlborough.

Manufacturer/Distributor:

Manufacturer: Wood-Shield Pty Ltd, 1 Quarry Road, Tottenham, Victoria 3012, Queensland 4300 Australia Ph (+ 61) 7 3271 5575, andrew@woodshield.com.au, www.woodshield.com.au

Distributor: John Sowman, Ph 027 249 7668, wdv@xtra.co.nz



Plastic/Wood Fence Post

Recycled Polyethylene with untreated Reed core.

Easy to transport, UV stabilized, Anti fungus/Anti mould, will not corrode, rot or leach chemicals, use nails, screws or staples to secure any wire or attachments. Solid post (not hollow)

Installation: Pneumatic and hydraulic Post driver, hand held post rammer.

Ground durability: 20 years + depending on ground conditions

Sizes available: 100mm Triangular Post.

Application/Suitability: Viticulture, Kiwifruit, Agriculture

Associated products: Cylindrical Post, Fence Railing, poles. Use nails, screws or staples to secure any wire attachments

Size/Prices: 1.8m = \$20.56 each, 2.0m = \$22.85 each, 2.4m = \$27.42 each, 2.8m = tba
Plus GST. Freight negotiable depending on quantity required.

Manufacturer/Distributor:

Empak Distribution (Horticultural component of AgPac), P O Box 36084, Christchurch, Ph 03 3386296, FAX 03 3386297, sales@empak.co.nz or sburns@empak.co.nz

Plasmar Fence Posts

100% recycled engineering grade polymers.

No additives, colouring or fillers such as wood flour are used, no PVC used, no bending or delamination. Currently used in organic and bio dynamic farming. Can be cut, nailed, and drilled. Immune from fungus, and rot. Non-leaching. Splined point for ease of driving and greater in ground retention.

Installation: Pneumatic and hydraulic Post driver. Vibrating head on digger unit.

Ground durability: 50 + year life span

Sizes available: Sizes range in 104 round @ 1800, 2100, and 2400 lengths (weight range from 14.4 kg to 19kg depending on length)

Sizes range in 160 round up to 3900 (weight depends on length).

Application/Suitability: General farming, stock control fencing, horse studs, organic food production, aquaculture and viticulture

Associated products: Board also available in 150 x 25 x any length up to 6 metres.

Parkland bollard (104mm, 160mm)

Size/Prices: Intermediate: 104mm round - 1.8m = \$35.70, 2.1m = \$40.25, 2.4m = \$41.25

Strainers/gate post supports: 160mm round - 1.8m = \$117.98, 2.1m = \$137.50, 2.4m = \$157.95, 2.7m = \$178.20

Per container basis ex port Tauranga/Auckland + freight and GST

Manufacturer/Distributor:

Manufacturer: Australian Composite Technology, Melbourne Australia, (+61) 3 9305 1599, info@plasmar.com.au, www.plasma.com.au

Distributor: Pali Posts Ltd/Peter Iremonger Trading, Ph/Fax: 03 3181344, Mobile: 027 6451894, pitrading@actrix.co.nz,

www.pitrading.co.nz or www.paliposts.com





Integrated Recycling

Integrated Recycling's patented mix combines recycled polyethylene and polystyrene polymers and untreated Australian hardwood fibre to make a range of engineered endurance products. The product benefits include strength, durability, non leaching of contaminants into the surrounding environment in detectable levels, minimal water absorption, ultraviolet stability, the ability to be drilled, screwed, routed and nailed, non splintering, can accept an electric pulse for animal containment and is inert and recyclable.

Installation: The posts can be treated liked wooden posts and installed using a pneumatic or hydraulic post driver and is aided by first water drilling the hole or using a mechanical post hole digger.

Ground durability: 20 years plus depending on ground conditions

Application: General fencing applications for animal containment, horticulture, viticulture, aquaculture in both harsh and sensitive environmental conditions

Sizes available: Intermediate (stays or braces)– 75mm and 100mm in diameter to 3000mm in length. 75mm 1.8m = A\$17.40, 2.4m =A\$21.60, 3m =A\$28.80

Strainers – 125mm, 150mm and 200mm diameter posts up to 3000mm in length 125mm 1.8m =A60.00, 2.4m =A\$ 72.00

3m =A\$78.00; 150mm 1.8mm A\$72.00, 2.4m =A\$96.00; 200mm 1.8m =A\$ 135.00, 2.4m = A\$ 180.00

All pricing is ex factory in Mildura, Victoria and is exempt of Australian GST as an export.

Manufacturer/wholesaler: Integrated Recycling Pty Ltd – 316 Etiwanda Ave Mildura Vic 3500 (613) 5023 0533
www.integratedrecycling.com.au

New Zealand Agent: Pukekohe Timber & Packaging Limited, Ian Glasgow, 54 John Street, Pukekohe, New Zealand. Ph 09 2389587,
Mob 0274 997263, ian-glasgow@ihug.co.nz

Steel



Grapepost

Galvanized steel post.

Smooth galvanized steel, consistent specifications, no ground leaching, low maintenance, lightweight but strong, less breakages when mechanically harvesting, infinite height adjustment and repeat use, fully recyclable

Installation: Pneumatic and hydraulic post driver, vibrating head on digger unit.

Ground durability: Up to 20 years depending on ground conditions. If large individual order received ground testing may be undertaken and warrantee given.

Sizes available: 1.15 mm wall thickness-72mmx45mm oval (Ultra/intermediate post), 1.15 mm wall – 51mmOD round (Ecopost), 2.25mm wall – 72mmx45mm oval (strainer post).

Application/Suitability: Agricultural, Viticulture, sheep, beef, deer

Associated products: Clips, end caps, post rammers cover, braces, deadman tiebacks

'ITM Agbeam' – currently have horizontal support pergolas for kiwifruit and have steel posts in development

Contact Eric Lindsey Ph 021 441723

Size/Prices: Viticulture (incl. clips)

Intermediate post: 2.1m Ecopost = \$8.90, 2.4m Ecopost = \$9.90, 2.1m Ultrapost = \$10.90, 2.4m Ultrapost = \$12.20

Strainer: 2.1m Ultra strainer = \$19.00

Fencing: 1.8m Ecopost = \$6.40, 2.8m Ultrapost = \$12.10

Ex Hamilton Factory, plus freight and GST

Manufacturer/Distributor:

Industrial Tube Manufacturing Co Ltd, Keith Guest, Mobile 021 965 628, Ph 07 8475 333, Fax 07 8478 502, sales@steeltube.co.nz, www.steeltube.co.nz



Applepost

Galvanized steel post.

Smooth galvanized steel, consistent specifications, no ground leaching, low maintenance, lightweight but strong, less breakages and twisting, infinite height adjustment and repeat use, fully recyclable

Installation: Pneumatic and hydraulic post driver, vibrating head on digger unit.

Ground durability: Up to 20 years depending on ground conditions. If large individual order received ground testing may be undertaken and warrantee given.

Sizes available: Used in trellis systems when growing dwarf trees or similar

1.55 mm wall thickness - 76mm OD round, or 1.55 mm wall thickness - 101mm OD round.

Application/Suitability: Horticulture.

Note: Research is currently underway to see if addition of a foot or similar could lead to adaptation of this product for use in the kiwifruit area (to accommodate required weight loadings in the sector)

Associated products: Clips, end caps, post rammers covers

Size/Prices: 76mm OD - 3.6m post = \$24.90, 101mm OD - 3.6m post = \$32.90 Ex Hamilton Factory, plus clips, plus freight and GST.

Manufacturer/Distributor:

Industrial Tube Manufacturing Co Ltd, Keith Guest, Mobile 021 965 628, Ph +64 7 8475 333, Fax+64 7 8478 502, sales@steeltube.co.nz, www.steeltube.co.nz



GREENSPAN® Posts

Steel with plastic coating.

Steel tube with polyethylene coating. Tapered plastic point screwed on bottom. BioGro approved. Long lasting, fully recyclable, strong - do not break with mechanical harvest, non toxic, NZ made, fully insulated.

Installation: Ground must be ripped or spiked prior to driving post. Pneumatic and hydraulic Post driver.

Ground durability: 20 years + depending on the soil type

Sizes available: 73mm diameter, high tensile galvanized steel tube & high density polyethylene tube coating.

Application/Suitability: Viticulture, pastoral, horticulture

Associated products: Plastic post cap, Clips – Vine star super clip (auto release clip), Greenspan clip

Size/Prices: Intermediate post: 1.8m = \$23.00, 2.39m = \$30.00 + Freight and GST ex Blenheim.

Manufacturer/Distributor:

Manufacturer: GREENSPAN®, sales@greenspan.co.nz, www.greenspan.co.nz

Distributor: Macky Neame Ph 03 577 8996, sales@greenspan.co.nz, www.greenspan.co.nz



Steel Posts and strainers

Pre -galvanized carbon steel post. High strength, cost effective, maintenance free and recyclable.

Expanded foot for stability. Rolled end for in-built net protection. Engineered clips for easy installation. No nails or screws required.

Agbeam is trellis system for hanging kiwifruit, EcoTrellis System provides solutions for the viticulture industry. Two end assembly options exist for all systems. Under development are solutions for the pipfruit and pastoral sector

Installation: Mechanically driven or hand driven with a post rammer.

Ground durability: 20 years plus

Sizes available: Tube is 63.5mm in Diameter, with other sizes by request.

Application/Suitability: Viticulture

Associated products: Ground Retentions Flanges, Rotalock clip, AgBeam tube-for hanging kiwifruit. Fixed by nail, screw or steel band.

10.0 metre lengths or other sizes by request (recommended retail per metre = \$5.80 incl GST)

Size/Prices: 2.1m = \$11.25, 2.4m = \$12.50, Clips \$0.10c each, Ground Retention Flange \$3.00 each,

Strainer Post assembly \$ 55.00. All prices + GST but negotiable with volume.

Price on application from PGG for all components.

Manufacturer/Distributor:

Manufacturer: New Zealand Tube Mills, Phone: 04 576-1883, Fax: 04 568-9153, Toll Free : 0508 NZTUBE, sales@nztubemills.co.nz

Distributor: PGG Wrightson, Fruited local branches



Vee Post

Easy to handle and install. Strong. LLP protection- anti corrosive application prolongs the life 500x. No nails, clips staple required. Versatile.

Installation: General purpose hand held post driver, Ram hand driver, pneumatic and hydraulic post drivers.

Ground durability: 15 to 20 years

Sizes available: 1.8m – 2.7m in 300mm increments, 1.5mm thick galvanized steel.

Application/Suitability: Agriculture, Viticulture

Associated products: Vee post sleeve, mac attach, mac cap, mac rig, anti sink plates, anti lean plates

Size/Prices: 1.8m = \$7.90, 2.1m = \$9.10, 2.4m = \$10.50, 2.7m = \$11.50. All prices per full container loads Ex main ports of NZ (Auckland, Tauranga, Napier, Wellington, Nelson, Lyttelton, Timaru, Dunedin) + GST.

Manufacturer/Distributor:

Manufacturer: Roll Star Industries

Distributor: Barry Bunting, 0508 Fences, 03 3778406 or 021 895063, www.trellisingsolutions.co.nz



Ramshead Post

Easy to handle and install. Strong. LLP protection- anti corrosive application prolongs the life 500x. No nails, clips staple required. Versatile.

Installation: General purpose hand held post driver, Ram hand driver, pneumatic and hydraulic post drivers.

Ground durability: 15 to 20 years

Sizes available: 1.8m – 2.7m in 300mm increments, 1.5mm thick galvanized steel.

Application/Suitability: Agriculture, Viticulture

Associated products: Vee post sleeve, mac attach, mac cap, mac rig, anti sink plates, anti lean plates

Size/Prices: 1.8m = \$19.80, 2.1m = \$21.50, 2.4m = \$24.00, 2.7m = \$27.00. All prices per full container loads Ex main ports of NZ (Auckland, Tauranga, Napier, Wellington, Nelson, Lyttelton, Timaru, Dunedin) + GST.

Manufacturer/Distributor:

Manufacturer: Roll Star Industries

Distributor: Barry Bunting, 0508 Fences, 03 3778406 or 021 895063, www.trellisingsolutions.co.nz



Vale Steel Posts

Clean Skin. Long life steel now available. Available in 1.5mm thick high tensile galvanized steel.

Installation: Pneumatic or hydraulic Post driver, Auger or vibrating head.

Ground durability: Up to and beyond 30 years

Application/Suitability: Viticulture, total trellis solution

Associated products: Post extensions

Size/Prices: 1.8m, 2.1m, 2.4m, 2.7m price range from \$11.00 to \$18.00 + GST.

All pricing based on minimum quantities of 1000 posts and final destination calculations.

Manufacturer/Distributor:

Steve Lyons, RURALit, Christchurch, Mob (021) 240 2940, steve@ruralit.co.nz

Fibreglass



Fibopost XT Post

Plastic/ Fiberglass Y post. Standard NZ pre drilled hole spacing, pointed at driving end, fire retardant, easy to transport, no insulators needed, UV stabilised, Anti Fungus/Anti mould, will not corrode, rot or leach chemicals. Solid post (not hollow). Recycled - 70% post consumer waste/fiberglass composite

Installation: Hand held post rammer Pneumatic and hydraulic Post driver.

Ground durability: 20 years + depending on ground conditions

Sizes available: Traditional Y post shape. 600xt for medium duty and 710xt for heavy duty

Application/Suitability: Viticulture, Kiwifruit, Agriculture.

Associated products: Use screws to secure additional wires

Size/Prices: 10 posts per bundle, 200 posts per pallet

Medium Duty:600xt: 1.50m = \$7.25 each, 1.65m = \$7.56 each, 1.80m = \$8.19 each.

Heavy Duty 710xt: 1.50m = \$8.46, 1.65m = \$8.85, 1.8m = \$9.56. 2.1m = \$11.04, 2.4m = \$12.45

All prices are plus GST + Freight

Manufacturer/Distributor:

Manufacturer: Fiboplast IND Pty Ltd, U1 8 Iron Street, Malaga, Western Australia 6090, Ph (+61) 8 9341 8513, info@fiboplast.com

Distributor: Don Field, Fertile Fields Ltd, New Plymouth, Ph 06 7532669, dfield@clear.net.nz, www.fertilefields.co.nz

Alternative Wood Treatments



Accoya® Modified Wood product

This treatment process uses New Zealand Radiata pine and a technology called acetylation.

Non toxic, no leachate, reusable, recyclable, highest durability rating (class1), UV resistant, uses renewable resources, resistant to swelling and shrinkage, easily worked, full rounded or corner rounded, Gold level timber treatment certification.

Installation: As per normal wooden posts. Stainless fixings recommended to avoid corrosion

Ground durability: Increased durability compared to CCA H4 (*SCION Aug 2010 5 year field test report*)

Sizes available: 45, 58 and 70mm diameter

Application/Suitability: Viticulture, Kiwifruit, Agriculture.

Associated products: stakes, posts, boards and square timber

Size/Prices: 58mm 1.8m = \$13.20, 58mm 2.1m = \$15.40, 58mm 2.4m = \$17.60, 58mm 2.7m = \$19.80, 70mm 1.8m = \$18.23,

70mm 2.1m = \$21.27, 70mm 2.4m = \$24.31, 70mm 2.7m = \$27.35

Note all prices Based on full containers at Port of Auckland and NZ\$1 = €0.5583 + GST

Manufacturer/Distributor:

Manufacturer: Titan Wood (London, United Kingdom), Direct Dial: + 44 20 8150 8834, Mobile: + 44 796 1109 419,

John.Alexandra@accsyspic.com, www.accoya.com

Distributor: Timspec – Timber Specialists Ltd, 66C Stoddard Road, Mt Roskill, Auckland, Ph 09 620 0260, sales@timspec.co.nz,

www.timspec.co.nz



Aquawood Modified Wood product

This treatment involves immersing the timber in a water based diflouride solution, modifying the molecular structure of the timber. Resists decay and insect attack, is stronger, environmentally friendly, non toxic, less shrinkage, non leaching and non carcinogenic. Aquawood is produced in New Zealand from renewable resources. Available in most coniferous timbers. Can be handled and disposed of in the same way as untreated timbers.

Installation: As per normal wooden posts.

Ground durability: A maintenance free use of 60 years or more. Guaranteed for 15 years

Sizes available: Square intermediate 100mm x 100mm posts and square strainer 150mm x 150mm posts. All options required are available on request.

Application/Suitability: Viticulture, Kiwifruit, Agriculture.

Associated products: Posts, Railings, Farm timbers, all interior and exterior timber requirements

Size/Prices: Square intermediate 100mm x 100mm posts 1.8m = \$13.86, 2.1m = \$16.17, 2.4m = 18.48, 2.7m = \$20.79
 Square strainer 150mm x 150mm posts 1.8m = \$31.19, 2.1m = \$36.39, 2.4m = \$41.58, 2.7m = \$46.77

Manufacturer/Distributor:

Isabelle Mulder, Aquawood New Zealand, aquawood@woosh.co.nz Ph 03 9730080 or 021 436 090, www.aquawood.co.nz

Alternative Solutions for Broken Posts



Ocloc Trellis Post repair clamp

Clamp applied to existing posts that have been broken. Significant cost saving on post replacement saves post disposal issues, fast and easy to install, strong, safe to install- Reduces OSH issues. Made of food grade polyethylene and carbon (same plastic as per heavy duty rubbish bins). UV stabilised,

Installation: Use air ratchet attached to field compressor, right angle Hitachi drill (10 volt, lithium battery light weight)

Ground durability: 20+ years. 3 year guarantee to product.

Sizes available: 3 clamp sizes suitable for intermediate post application (75mm, 95mm, 120mm posts-round, half rounds, quarter rounds)

Application/Suitability: viticulture, pastoral, orchards, kiwifruit

Associated products: n/a

Size/Prices: Ocloc 75 for post diameter 60-90mm – RR \$18.00 + GST each

Ocloc 95 for post diameter 75-100mm – RR \$18.00 + GST each

Ocloc 120 for post diameter 100-130mm – RR \$18.00 + GST each

Prices subject to volume.

Manufacturer/Distributor: Ocveti www.ocloc.com.au Brian O'Malley, Ph 0061 424112120 (Australia) brian123@gotalk.com.au

Distributor: Parkland NZ David Pearce Ph 09 4150307 david.pearce@parkland.co.nz, www.parkland.co.nz

Please note:

Alternative timber treatment methods that are non Copper Chrome Arsenic (CCA) have not been a focus of this resource to date, however can be included as we become advised of them. No comparison has been made on the value or the suitability of any individual product to be 'fit for purpose'. This decision is the reader's own.

Please note: This list has been prepared on the basis of information provided to the author, and may not be exhaustive.

It has been compiled in consultation with organic sector groups, industry bodies and the writer's research. If a product is not in this resource it may be for a number of reasons including but not limited to:

- Failure of supplier/contact to get back in time for inclusion
- Removal from the list due to unacceptability under USDA NOP regulations
- The writer was not aware of the product at the time of publication
- Product may not be currently available in commercial quantities

It is intended that this resource may be added to as further products become available. Please contact Heather Atkinson with further products for consideration or for any feedback or amendments to this resource. Email: heather.atkinson@oanz.org.nz. Phone 06 3077838 Mobile 027 3035334

Other Companies actively pursuing alternatives to CCA treated timber:

Sustainably Milled Australian Hardwoods

Beechmark is 100% NZ owned and operated. Currently specialize in promoting sustainable harvested native Beech, hardwoods, naturally durable, salvaged and recycled timbers. They are actively looking at entering the market for sustainably milled Australian Harwood posts and timbers for this market.

Company: Beechmark

Contact details: Sean McNulty, National Sales & Marketing Manager, Freephone 0800 23324 6275, Mobile 027 621 2363, sean@beechmark.co.nz, www.beechmark.co.nz

Ground durable eucalypts

Research has commenced on a range of ground durable eucalypt species with the success of a recent Sustainable Farming Fund application.

Company: New Zealand Dryland Forests Initiative

Contact details: Paul Millen, Project Manager NZDFI, Ph 03 5741001, Mobile 021 662147, p.millen@xtra.co.nz

Cold rolled UltraSTEEL™

Rolled using the UltraSTEEL™ process, making it 20% stronger and requiring 20% less material than plain steel for the same performance.

Dimpled surface allows for 22% extra soil contact, ensuring stronger anchoring. Vertical array of tags to support vine wire. This product has been designed to accommodate all vine and fruit growing terrains. This product is currently only available in Europe, New Zealand prices and distributors are not yet in place but are actively being worked on.

Company: The Hadley Group: <http://www.hadleygroup.co.uk/Home.aspx>

Contact Details Mark Williams, Sales Manager, Ph: +44(0) 121 555 1310, Mobile: +44(0) 7872 821613, Fax: +44(0) 121 555 1311, mark.williams@hadleygroup.co.uk

Certifier Suitability Feedback:

Please note: All inputs to the USDA NOP certified property must have prior approval in your Organic Management Plan before use.

Product	BioGro	AsureQuality
Eucalyptus Globoidea Post	From the information supplied it appears to be a compliant material but because the company is not BioGro certified we will need to assess the source and manufacturing process before issuing approval.	OK
Wallaba Posts	From the information supplied it appears to be a compliant material but because the company is not BioGro certified we will need to assess the source and manufacturing process before issuing approval.	OK
Australian Hardwood	From the information supplied it appears to be a compliant material but because the company is not BioGro certified we will need to assess the source and manufacturing process before issuing approval.	OK
Pali Posts	From the information supplied it appears to be a compliant material but because the company is not BioGro certified we will need to assess the source and manufacturing process before issuing approval.	OK
Ecobaton 25	From the information supplied it appears to be a compliant material but because the company is not BioGro certified we will need to assess the source and manufacturing process before issuing approval.	OK
Advanced Plastic Recycling	From the information supplied it appears to be a compliant material but because the company is not BioGro certified we will need to assess the source and manufacturing process before issuing approval.	OK
Woodshield Pty Ltd	From the information supplied it appears to be a compliant material but because the company is not BioGro certified we will need to assess the source and manufacturing process before issuing approval.	OK
Plastic/Wood Fence Post	From the information supplied it appears to be a compliant material but because the company is not BioGro certified we will need to assess the source and manufacturing process before issuing approval.	OK
Plasmar Fence Posts	From the information supplied it appears to be a compliant material but because the company is not BioGro certified we will need to assess the source and manufacturing process before issuing approval.	OK
Integrated Recycling	Not advised as yet.	Not advised as yet.
Grapepost	From the information supplied it appears to be a compliant material but because the company is not BioGro certified we will need to assess the source and manufacturing process before issuing approval.	OK
Applepost	From the information supplied it appears to be a compliant material but because the company is not BioGro certified we will need to assess the source and manufacturing process before issuing approval.	OK
Greenspan posts	From the information supplied it appears to be a compliant material but because the company is not BioGro certified we will need to assess the source and manufacturing process before issuing approval.	OK

Steel Posts and strainers	From the information supplied it appears to be a compliant material but because the company is not BioGro certified we will need to assess the source and manufacturing process before issuing approval	OK
Vee Post	We need to assess the formulation of LLP protection	Should be OK so long as anti-corrosion application isn't a toxic substance
Ramshead Post	We need to assess the formulation of LLP protection	Should be OK so long as anti-corrosion application isn't toxic substance
Vale Steel Posts	From the information supplied it appears to be a compliant material but because the company is not BioGro certified we will need to assess the source and manufacturing process before issuing approval.	OK
Fibrepost XT	From the information supplied it appears to be a compliant material but because the company is not BioGro certified we will need to assess the source and manufacturing process before issuing approval.	OK
Accoya® Modified Wood product	Not advised as yet.	Suitability unclear, a formal approval process will need to be undertaken.
Aquawood Modified Wood product	Not advised as yet.	Not advised as yet.
Ocloc Trellis Post repair clamp	Not advised as yet.	Not advised as yet.

Compiled by Heather Atkinson on behalf of Organics Aotearoa New Zealand (OANZ), 28 October 2010.