

Treated Round Wood Posts



Some of our longest-running tests involve farm-style round fence posts made from forest thinnings. This method can also be used to predict the service life of treated utility poles. In this test, CCA-treated posts have lasted 10 times longer than their untreated counterparts.

Commodity: Round Fence Posts

Test method: Ground contact

Test Site: Petawawa, Ontario

Date of installation: 1951

Preservative: CCA, type A*

Treatment: Pressure treatment to CSA O80.5

Wood Species: Jack pine, White spruce

Condition of Untreated Samples:

- Jack pine: Average life 5.5 yrs
- White spruce: Average life 3.5 yrs

Condition of Treated samples:

- Jack pine: 20/20 posts in service after 47 yrs
- White spruce: 11/15 posts in service after 47 yrs

Projected average service life of properly treated product in a similar climate:

- Jack pine: Over 50 years
- White spruce: Over 40 years

* An older formulation of CCA, not as effective as modern CCA (type C).