



# NEW ZEALAND RADIATA PINE (*PINUS RADIATA*) LOG MANUAL & SPECIFICATIONS

**People's Republic of China Manual  
2012**



**Greenheart Group**  
always growing<sup>1</sup>



# Export A Grade Sawlog (Large Structural Sawlog)

- Greenheart’s **A Grade Sawlog** is of the highest quality due to the fact that Greenheart produces minimal structural sawlogs from its New Zealand forest for domestic supply.
- Our **A Grade Sawlogs** are therefore characterised by smaller knot sizes, and very straight and round logs compared to some other suppliers.

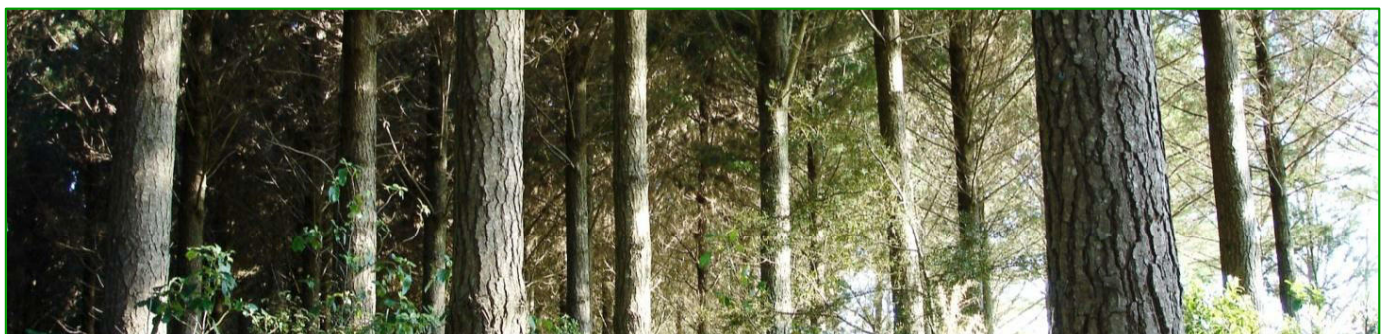


Specifications	Requirements
1 Length (m)	3.8m and 5.8m common lengths. Can provide other lengths.
2 Length Tolerance (cm)	-2cm, +5cm
3 Minimum SED (cm)	<b>30.0cm</b>
4 Maximum SED (cm)	N/A
5 Minimum Average SED (cm)	<b>34cm</b> (but averages 37cm if we do not produce AOS Grade)
6 Sweep	Maximum of 1/4 SED for logs less than or equal to 6.1m
7 Wobble	Maximum 1/6 SED up to 5cm deviation from the centre line
8 Knot Size (cm)	<b>Maximum 1/3 SED up to 12cm</b>
9 Roundness	Longest diameter must not exceed 1.5 times the shortest
10 Taper	N/A
11 Pith	N/A
12 Sapstain	None at the date of log manufacture.



# Export K Grade Sawlog (Small Structural Sawlog)

- Greenheart’s **K Grade Sawlog** is also of the highest quality due to the fact that Greenheart produces minimal structural sawlogs from its New Zealand forest for domestic supply.
- Like our ‘A Grade’, our **K Grade Sawlogs** are therefore characterised by smaller knot sizes, and very straight and round logs compared to some other suppliers.



Specifications	Requirements
1 Length (m)	3.8m and 5.8m common lengths. Can provide other lengths.
2 Length Tolerance (cm)	-2cm, +5cm
3 Minimum SED (cm)	<b>20.0cm</b>
4 Maximum SED (cm)	N/A
5 Minimum Average SED (cm)	<b>26.0cm</b>
6 Sweep	Maximum of 1/4 SED for logs less than or equal to 6.1m
7 Wobble	Maximum 1/6 SED up to 5cm deviation from the centre line
8 Knot Size (cm)	<b>Maximum 1/3 SED up to 12cm</b>
9 Roundness	Longest diameter must not exceed 1.5 times the shortest
10 Taper	N/A
11 Pith	N/A
12 Sapstain	None at the date of log manufacture.





# Export KI Grade Sawlog (Large Industrial Sawlog)

- Greenheart produces a large industrial sawlog known as a **KI Grade Sawlog**. These logs are of similar size to **A Grade** logs but have a larger knot size and are of lower quality.
- These logs though, still produce good lumber recovery due to their large diameter size (average SED of +34cm) and consistency of sound/solid wood.



Specifications	Requirements
1 Length (m)	3.8m and 5.8m common lengths. Can provide other lengths.
2 Length Tolerance (cm)	-2cm, +5cm
3 Minimum SED (cm)	<b>26.0cm</b>
4 Maximum SED (cm)	N/A
5 Minimum Average SED (cm)	<b>34.0cm</b>
6 Sweep	Max 1/4 SED for logs < 4.6m and Max 1/3 SED for logs > 4.6m
7 Wobble	Max 1/6 SED for logs < 4.6m and Max 1/4 SED for logs > 4.6m up to 10cm deviation from the centre line
8 Knot Size (cm)	<b>Maximum 1/2 SED up to 25cm</b>
9 Roundness	N/A
10 Taper	N/A
11 Pith	N/A
12 Sapstain	None at the date of log manufacture



# Export KIS Grade Sawlog (Small Industrial Sawlog)

- Greenheart’s **KIS Grade Sawlog** is a small industrial sawlog that is also commonly referred to as ‘sawable pulplog’. It is similar in characteristics to the North American ‘chip’n’saw’ log.
- In China these **KIS Grade Sawlogs** are commonly sawn into industrial grade lumber and still achieve satisfactory recovery rates.



Specifications	Requirements
1 Length (m)	3.8m and 5.8m common lengths. Can provide other lengths.
2 Length Tolerance (cm)	-2cm, +5cm
3 Minimum SED (cm)	<b>14.0cm</b>
4 Maximum SED (cm)	N/A
5 Minimum Average SED (cm)	<b>18.0cm</b>
6 Sweep	Max 1/3 SED for logs < 4.6m and Max 1/2 SED for logs > 4.6m
7 Wobble	Max 1/6 SED for logs < 4.6m and Max 1/4 SED for logs > 4.6m up to 15cm deviation from the centre line
8 Knot Size (cm)	<b>N/A</b>
9 Roundness	N/A
10 Taper	N/A
11 Pith	N/A
12 Sapstain	None at the date of log manufacture.

