

Timber Species Survey - Printable Version

Introduction

This is a short questionnaire to investigate sawmillers' experiences and perceptions of using alternative species of wood.

This survey should take approximately 20 minutes to complete and will be open until the 1st August 2016.

1. Tell us about you

(If you would prefer to remain anonymous please leave blank and continue with the survey)

First Name _____

Last Name _____

Email _____

Company _____

Location _____

2. Would you be happy for us to call you to follow up on issues raised in this questionnaire?

Yes / No

3. If "Yes" and you are happy to be contacted by phone, please enter your telephone number below

Telephone _____

Completed copies of this survey can be scanned and emailed to Steven Adams – s.adams@napier.ac.uk or alternatively they can be posted to:

Steven Adams, Centre for Wood Science and Technology,
Edinburgh Napier University, 10 Colinton Road, Edinburgh EH10 5DT

Sitka spruce (*Picea sitchensis*)

This section deals with your experience of processing Sitka spruce.

If you have no experience of working with Sitka spruce please tick this box and continue to question 17.

4. Have you experienced any issues with the logs of Sitka spruce? (Mark all that apply)

- None
- Butt fluting
- Butt rot
- Problems debarking
- Drought crack
- Other

Any comments regarding the logs of Sitka spruce?

5. How would you rate working with the logs of Sitka spruce? (Please mark only one box)

	Bad			Good	
Logs:	1	2	3	4	5

6. Have you experienced any issues during the sawing of Sitka spruce? (Mark all that apply)

- None
- Splitting
- Blunting the saw
- Resin on the saw
- Other

Any comments regarding the sawing of Sitka spruce?

7. How would you rate the sawing of Sitka spruce? (Please mark only one box)

	Bad			Good	
Sawing:	1	2	3	4	5

8. Do you air dry or kiln dry Sitka spruce?

Air Dry Kiln Dry Neither

9. Have you experienced any issues during the drying of Sitka spruce?

(Mark all that apply)

None
 Distortion: Twist Bow Spring Cup
 Fissures and checks
 Discolouration
 Collapse
 Case-hardening
 Kilning effort
 Non-uniform moisture content

Any comments regarding the drying of Sitka spruce?

10. How would you rate the process of drying of Sitka spruce?

(Please mark only one box)

	Bad			Good	
Drying:	1	2	3	4	5

11. Do you use, or have you used pressure preservative treatment?

Yes No

12. Have you experience of any issues when pressure preservative treating Sitka spruce?

(Mark all that apply)

None
 Aesthetic consistency of the green colour required
 Aesthetic consistency of the brown colour required
 Aesthetic consistency of any other colour required
 Chemical bleeding after treatment
 Sap or resin blocking the treatment on the surface
 Low pressure treatments
 Aesthetic surface colour coatings
 Other

Any comments regarding the pressure preservative treating of Sitka spruce?

13. How would you rate high pressure preservative treatment generally?

(Please mark only one box)

	Bad			Good	
Preservative treatment:	1	2	3	4	5

14. How would you rate high pressure preservative treatment penetration levels achieved?

(Please mark only one box)

	Bad			Good	
Preservative penetration:	1	2	3	4	5

15. How would you rate high pressure preservative treatment retention levels achieved?

(Please mark only one box)

	Bad			Good	
Preservative retention:	1	2	3	4	5

16. Have you experience of any other issues with Sitka spruce?

(Mark all that apply)

None
 Knots and other defects
 Perception of quality
 Lack of existing markets
 Other

Any comments regarding other issues with Sitka spruce?

Other Tree Species

This section deals with your experience of processing species other than Sitka spruce and your opinion of how these compare to Sitka.

17. Have you previously processed or are you currently processing any of the following species?

	Processed Previously	Currently Processing	Never Processed
Norway spruce (<i>Picea abies</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scots pine (<i>Pinus sylvestris</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Western red cedar (<i>Thuja plicata</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
European silver fir (<i>Abies alba</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grand fir (<i>Abies grandis</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Japanese cedar (<i>Cryptomeria japonica</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Noble fir (<i>Abies procera</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pacific silver fir (<i>Abies amabilis</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Serbian spruce (<i>Picea omorika</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Western hemlock (<i>Tsuga heterophylla</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Birch (<i>Betula pendula</i>) or (<i>B. pubescens</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sycamore (<i>Acer pseudoplatanus</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Poplar (<i>Populus spp.</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Please specify:			

18. Did you source the species from the UK, Ireland or somewhere else?

	UK	Ireland	Abroad	N/A
Norway spruce	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scots pine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Western red cedar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
European silver fir	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grand fir	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Japanese cedar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Noble fir	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pacific silver fir	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Serbian spruce	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Western hemlock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Birch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sycamore	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Poplar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

19. If you have previously, but no longer, processed any of these species, why did you stop?

(Please detail for each species separately)

Norway spruce	
Scots pine	
Western red cedar	
European silver fir	
Grand fir	
Japanese cedar	
Noble fir	
Pacific silver fir	
Serbian spruce	
Western hemlock	
Birch	
Sycamore	
Poplar	
Other	

20. Approximately what volume of sawnwood for each species have you processed (in cubic metres per year)?

(Please detail for each species separately)

Norway spruce	
Scots pine	
Western red cedar	
European silver fir	
Grand fir	
Japanese cedar	
Noble fir	
Pacific silver fir	
Serbian spruce	
Western hemlock	
Birch	
Sycamore	
Poplar	
Other	

21. What were or are the final products you manufactured from these species?

(Please check all appropriate)

	Construction	Fencing	Garden Products	Packaging / pallets	Bio-energy	Other	None
Norway spruce	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scots pine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Western red cedar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
European silver fir	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grand fir	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Japanese cedar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Noble fir	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pacific silver fir	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Serbian spruce	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Western hemlock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Birch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sycamore	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Poplar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If "Other" final product, please state?

22. Do you know of existing markets for these species?

	Yes	No
Norway spruce	<input type="checkbox"/>	<input type="checkbox"/>
Scots pine	<input type="checkbox"/>	<input type="checkbox"/>
Western red cedar	<input type="checkbox"/>	<input type="checkbox"/>
European silver fir	<input type="checkbox"/>	<input type="checkbox"/>
Grand fir	<input type="checkbox"/>	<input type="checkbox"/>
Japanese cedar	<input type="checkbox"/>	<input type="checkbox"/>
Noble fir	<input type="checkbox"/>	<input type="checkbox"/>
Pacific silver fir	<input type="checkbox"/>	<input type="checkbox"/>
Serbian spruce	<input type="checkbox"/>	<input type="checkbox"/>
Western hemlock	<input type="checkbox"/>	<input type="checkbox"/>
Birch	<input type="checkbox"/>	<input type="checkbox"/>
Sycamore	<input type="checkbox"/>	<input type="checkbox"/>
Poplar	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

23. If these species became available today or in the future, on a scale of 1 to 5, how likely would you be to use them?

(Mark one option per row)

	Unlikely			Extremely Likely	
	1	2	3	4	5
Norway spruce	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scots pine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Western red cedar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
European silver fir	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grand fir	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Japanese cedar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Noble fir	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pacific silver fir	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Serbian spruce	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Western hemlock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Birch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sycamore	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Poplar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other Species Experience

Please use these pages to outline any issues experienced processing the different tree species.

If you previously answered that you have no experience of working with Sitka spruce then please answer on a scale of 1 to 5 with 1 being bad and 5 being good.

Please print and complete questions 24 to 39 for each species separately.

24. Species name: Please tick the box for one species that you are answering about.

Norway spruce	<input type="checkbox"/>	Grand fir	<input type="checkbox"/>	Serbian spruce	<input type="checkbox"/>
Scots pine	<input type="checkbox"/>	Japanese cedar	<input type="checkbox"/>	Western hemlock	<input type="checkbox"/>
Western red cedar	<input type="checkbox"/>	Noble fir	<input type="checkbox"/>	Birch	<input type="checkbox"/>
European silver fir	<input type="checkbox"/>	Pacific silver fir	<input type="checkbox"/>	Sycamore	<input type="checkbox"/>
Other	<input type="checkbox"/>			Poplar	<input type="checkbox"/>
Please specify		<input type="text"/>			

25. Have you experienced any issues with the logs of this species?
(Mark all that apply)

<input type="checkbox"/>	None
<input type="checkbox"/>	Butt fluting
<input type="checkbox"/>	Butt rot
<input type="checkbox"/>	Problems debarking
<input type="checkbox"/>	Drought crack
<input type="checkbox"/>	Other

Any comments regarding the logs of this species?

26. In comparison to Sitka spruce how would you rate working with the logs of this species?

(Please mark only one box)

	Worse than Sitka			Better than Sitka	
Logs:	1	2	3	4	5

27. Have you experienced any issues during the sawing of this species?

(Mark all that apply)

<input type="checkbox"/>	None
<input type="checkbox"/>	Splitting
<input type="checkbox"/>	Blunting the saw
<input type="checkbox"/>	Resin on the saw
<input type="checkbox"/>	Other

Any comments regarding the sawing of this species?

28. In comparison to Sitka spruce how would you rate the sawing of this species?

(Please mark only one box)

	Worse than Sitka			Better than Sitka	
Sawing:	1	2	3	4	5

29. Do you air dry or kiln dry this species?

<input type="checkbox"/>	Air Dry	<input type="checkbox"/>	Kiln Dry	<input type="checkbox"/>	Neither
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30. Have you experienced any issues during the drying of this species?

(Mark all that apply)

<input type="checkbox"/>	None
<input type="checkbox"/>	Distortion: <input type="checkbox"/> Twist <input type="checkbox"/> Bow <input type="checkbox"/> Spring <input type="checkbox"/> Cup
<input type="checkbox"/>	Fissures and checks
<input type="checkbox"/>	Discolouration
<input type="checkbox"/>	Collapse
<input type="checkbox"/>	Case-hardening
<input type="checkbox"/>	Kilning effort
<input type="checkbox"/>	Non-uniform moisture content

Any comments regarding the drying of this species?

31. In comparison to Sitka spruce how would you rate the process of drying of this species?

(Please mark only one box)

	Worse than Sitka			Better than Sitka	
Drying:	1	2	3	4	5

32. Do you use, or have you used pressure preservative treatment on this species?
(If "No" then go to question 37)

Yes No

33. Have you experience of any issues when pressure preservative treating this species?
(Mark all that apply)

- None
- Aesthetic consistency of the green colour required
- Aesthetic consistency of the brown colour required
- Aesthetic consistency of any other colour required
- Chemical bleeding after treatment
- Sap or resin blocking the treatment on the surface
- Low pressure treatments
- Aesthetic surface colour coatings
- Other

Any comments regarding pressure preservative treating this species?

34. In comparison to Sitka spruce how would you rate high pressure preservative treatment generally?
(Please mark only one box)

	Worse than Sitka			Better than Sitka	
Preservative treatment:	1	2	3	4	5

35. In comparison to Sitka spruce how would you rate high pressure preservative treatment penetration levels achieved?
(Please mark only one box)

	Worse than Sitka			Better than Sitka	
Preservative penetration:	1	2	3	4	5

36. In comparison to Sitka spruce how would you rate high pressure preservative treatment retention levels achieved?
(Please mark only one box)

	Worse than Sitka			Better than Sitka	
Preservative retention:	1	2	3	4	5

37. Have you experience of any other issues with this species?
(Mark all that apply)

- None
- Knots and other defects
- Perception of quality
- Lack of existing markets
- Other

Any comments regarding other issues with this species?

38. Do you know of available markets for the co-products of this species?

	Yes	No
Bark	<input type="checkbox"/>	<input type="checkbox"/>
Sawdust	<input type="checkbox"/>	<input type="checkbox"/>
Chips	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>

If Other
Please specify

39. What is your overall perception of this species?
(Please comment if you have any experience, awareness or opinion of how this species would perform)

Use this page to give your thoughts on the species that you have never processed.

40. Can you outline any thoughts or perceptions that you have for the species that you had NO experience of using?

Norway spruce	
Scots pine	
Western red cedar	
European silver fir	
Grand fir	
Japanese cedar	
Noble fir	
Pacific silver fir	
Serbian spruce	
Western hemlock	
Birch	
Sycamore	
Poplar	
Other	

Thank you for your time

If there is anything else you would like to add please use the space below.