

Appendix

Title

**Differences in the Light Environment at Different Heights
between Monolayered Sowing Slope and Multilayered Mixed-
Species Plantation Slope**

Journal Name

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Appendix 1: The 10 most dominance herbaceous species (a) Mixed-species plantation slope.

Species	Coverage (%)	
<i>Petasites japonicus</i> (Siebold et Zucc.) Maxim	27.6	
<i>Amphicarpaea bracteata</i> (L.) Fernald subsp. <i>edgeworthii</i> (Benth.) H.Ohashi var. <i>japonica</i> (Oliv.) H.Ohashi	9.7	
<i>Artemisia princeps</i> Pamp.	9.4	
<i>Aster glehnii</i> F.Schmidt var. <i>hondoensis</i> Kitam.	6.7	
<i>Desmodium podocarpum</i> DC. subsp. <i>oxyphyllum</i> (DC.) H.Ohashi.	6.1	
<i>Petasites japonicus</i> (Siebold et Zucc.) Maxim.	5.4	
<i>Polystichum pseudomakinoi</i> Tagawa.	4.8	
<i>Artemisia monophylla</i> Kitam.	3.7	
<i>Festuca rubra</i> L. var. <i>genuina</i> Hack	3.4	
<i>Deparia pycnosora</i> (Christ) M.Kato	1.9	
Other 54 species	21.4	
Total	100.0	

(b) Sowing slope.

Species	Coverage (%)	
<i>Impatiens textori</i> Miq.	20.9	
<i>Reynoutria japonica</i> Houtt.	15.6	
<i>Petasites japonicus</i> (Siebold et Zucc.) Maxim	11.3	
<i>Rabdosia umbrosa</i> var. <i>leucantha</i> (Murai) Hara	7.0	
<i>Artemisia monophylla</i> Kitam.	6.2	
<i>Rumex conglomeratus</i> Murray	6.0	
<i>Agrimonia pilosa</i> Ledeb. var. <i>japonica</i> (Miq.) Nakai	4.8	
<i>Clinopodium multicaule</i> (Maxim.) Kuntze var. <i>sachalinense</i> (F.Schmidt) Ohwi	4.6	
<i>Artemisia princeps</i> Pamp.	4.5	
<i>Cirsium yezoense</i> (Maxim.) Makino.	2.9	
Other 41 species	16.2	
Total	100.0	

Appendix 2: The 10 most dominance tree species of the saplings (a) Mixed-species plantation slope.

Species	Population percentage (%)	
<i>Quercus crispula</i> Blume	32.7	
<i>Cladrastis platycarpa</i> (Maxim.) Makino	21.7	
<i>Carpinus cordata</i> Blume	10.4	
<i>Tilia japonica</i> (Miq.) Simonk.	7.2	
<i>Acer rufinerve</i> Siebold et Zucc.	6.3	
<i>Acer mono</i> Maxim. var. <i>marmoratum</i> (G.Nicholson) H.Hara f. <i>dissectum</i> (Wesm.) Rehder	3.2	
<i>Sorbus commixta</i> Hedl.	3.2	
<i>Acer pictum</i> Thunb.	2.4	
<i>Abies homolepis</i> Siebold et Zucc.	1.9	
<i>Pterocarya rhoifolia</i> Siebold et Zucc.	1.7	
Other 25 species	9.3	
Total	100.0	

(b) Sowing slope

Species	Population percentage (%)	
<i>Euonymus oxyphyllus</i> Miq. var. <i>oxyphyllus</i>	20.5	
<i>Tilia japonica</i> (Miq.) Simonk.	15.4	
<i>Quercus crispula</i> Blume	12.8	
<i>Acer japonicum</i> Thunb.	10.3	
<i>Acer mono</i> Maxim. var. <i>marmoratum</i> (G.Nicholson) H.Hara f. <i>dissectum</i> (Wesm.) Rehder	7.7	
<i>Sapium japonicum</i> (Siebold et Zucc.) Pax et K.Hoffm.	7.7	
<i>Aesculus turbinata</i> Blume	7.7	
<i>Abies homolepis</i> Siebold et Zucc.	5.1	
<i>Acer rufinerve</i> Siebold et Zucc.	5.1	
<i>Prunus grayana</i> Maxim.	5.1	
<i>Cladrastis platycarpa</i> (Maxim.) Makino	2.6	
Total	100.0	