Supplementary A: Tree species classification by multi-season collected UAV imagery in a mixed cool-temperate mountain forest

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Table S1. Tree species and number of specimens in the Uryu Experimental Forest, as provided by the forest management.

Common name	Number
Painted maple	242
Japanese oak	168
Japanese rowan	146
Sakharin fir	143
Castor aralia	69
Shiuri-Zakura	28
Japanese linden	23
Rusian rock birch	22
Hoonoki	16
Amur cork	16
Sakhalin spruce	13
Mountain ash	11
Beniitaya-kaede	8
Koshiabura	7
Fullmoon maple	2
Japanese white birch	2
Noriutsugi	2
Manchurian alder	1

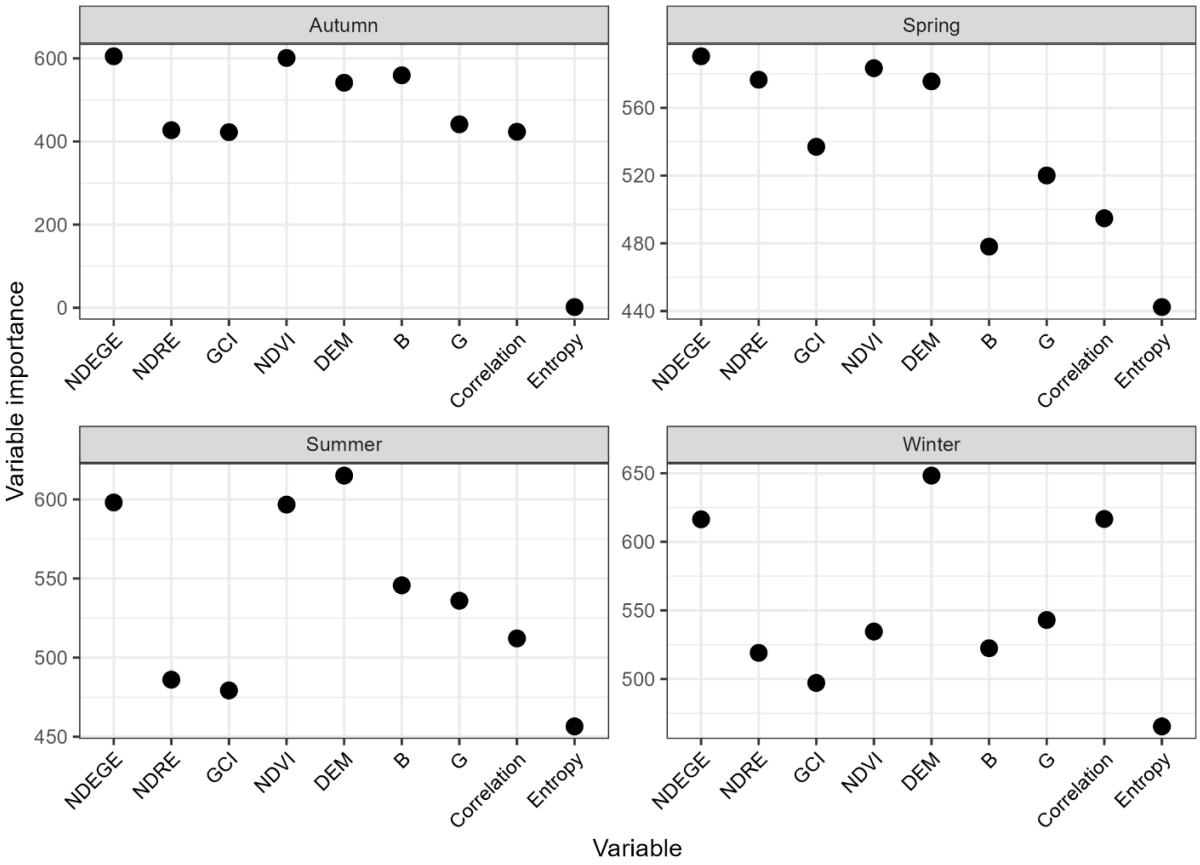

Figure S1. Variable importance for RF single season models. facets show the data capture season.

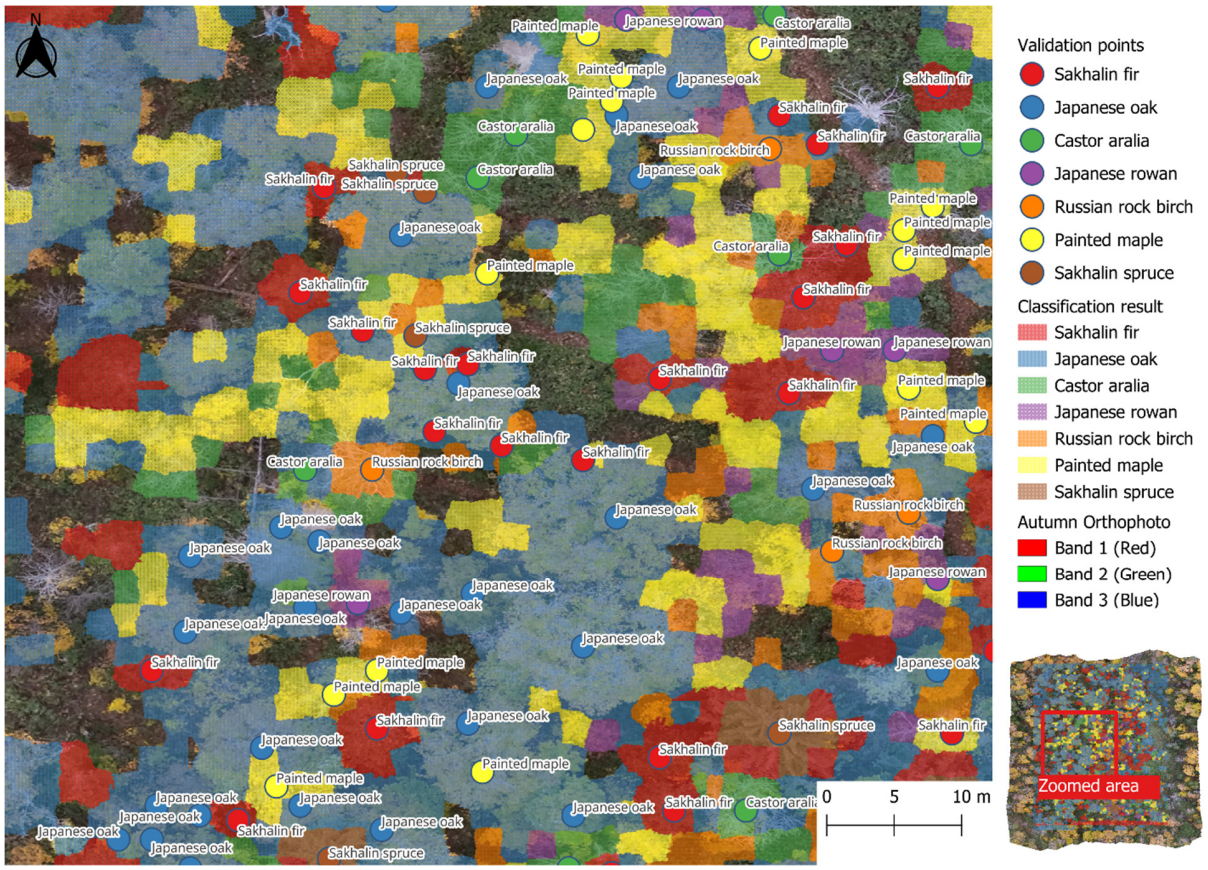

Figure S2. Overlayed map of field verified tree locations (colored circles) with forest species classification result based on the SVM classifier that used multi-seasonal data. The small inset map in the legend shows the overview of the zoomed area in the map.

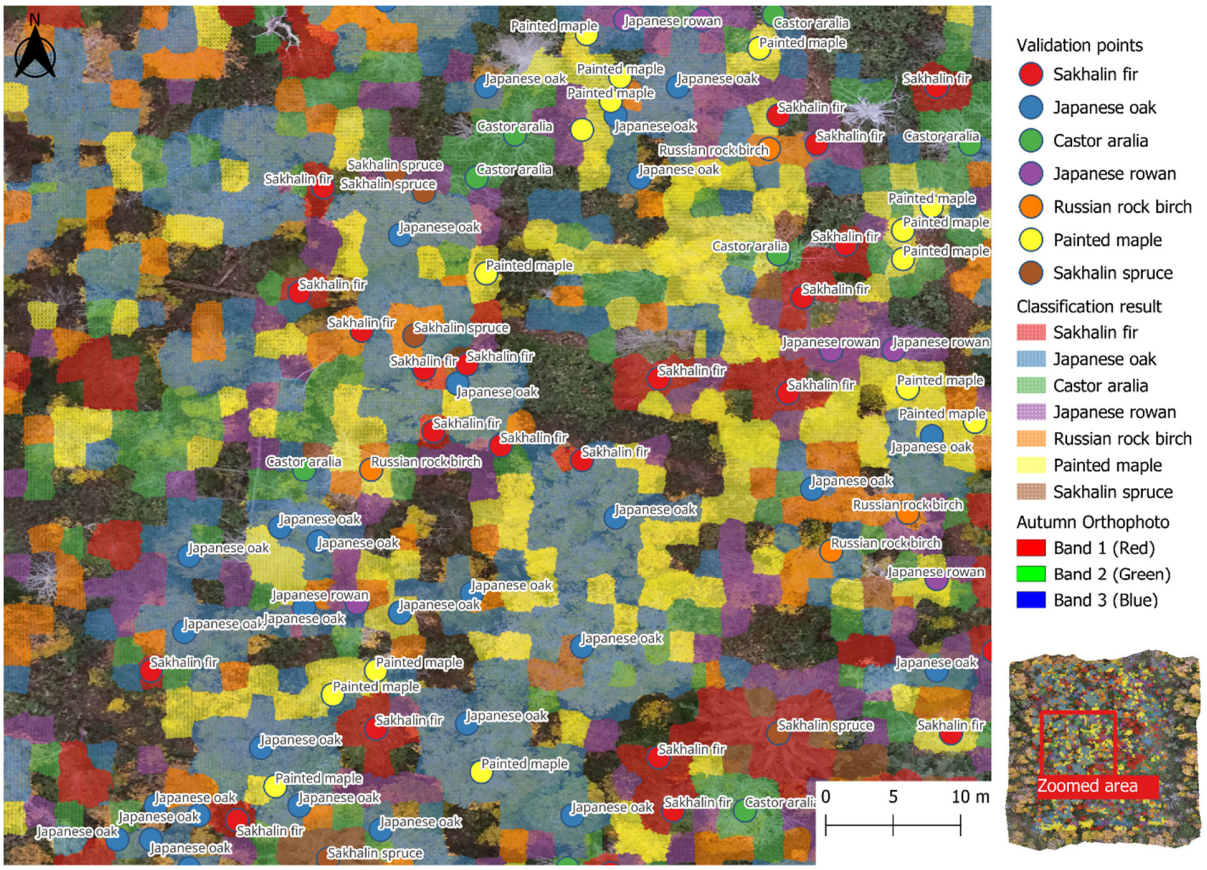

Figure S3. Overlayed map of field verified tree locations (colored circles) with forest species classification result based on the CART classifier that used multi-seasonal data. The small inset map in the legend shows the overview of the zoomed area in the map.