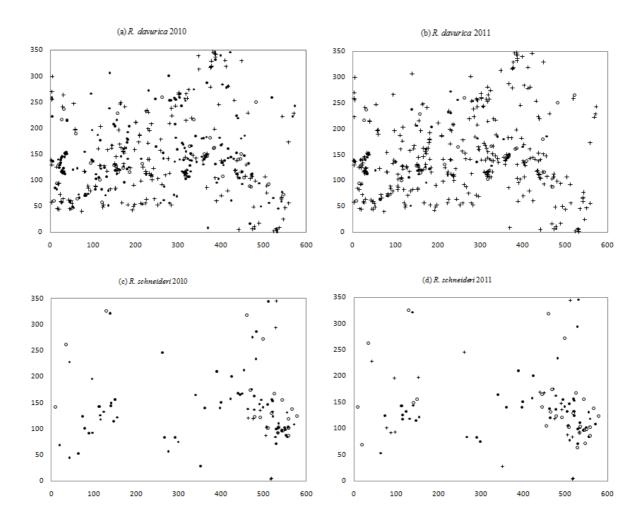
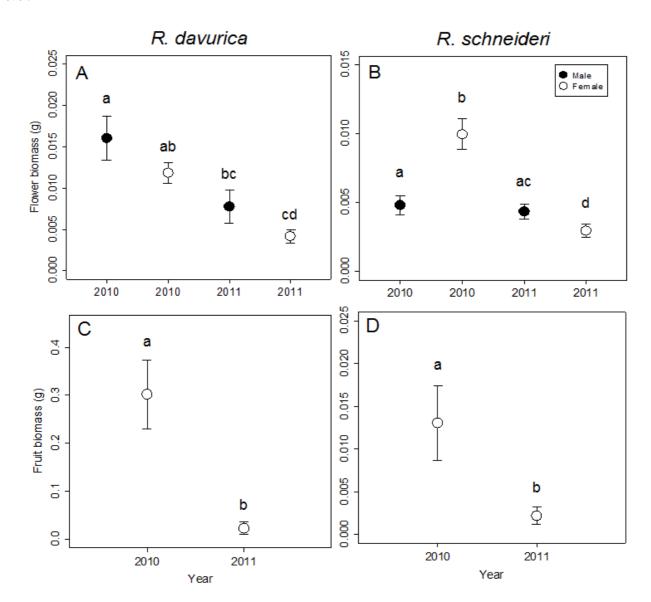
iForest 7: 25-32 (suppl. s1-s4) - doi: 10.3832/ifor1020-007

Fig. S1 - Spatial distribution of *Rhamnus davurica* and *Rhamnus schneideri* var. *manshurica* in the 360m×660m research plot. Solid circles indicate females (*R. davurica*: 310 shrubs, *R. schneideri* var. *manshurica*: 113 shrubs); hollow circles indicate males (*R. davurica*: 53 shrubs, *R. schneideri* var. *manshurica*: 90 shrubs); crosses indicate non-flowering trees (*R. davurica*: 225 shrubs, *R. schneideri* var. *manshurica*: 23 shrubs) in the observed period.



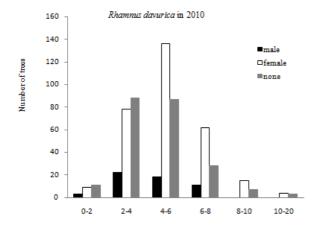
iForest 7: 25-32 (suppl. s1-s4) - doi: 10.3832/ifor1020-007

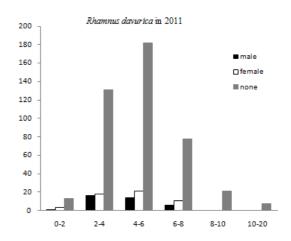
Fig. S2 - Comparison of flower biomass and fruit biomass between males and females in *Rhamnus* shrub species at shoot level.

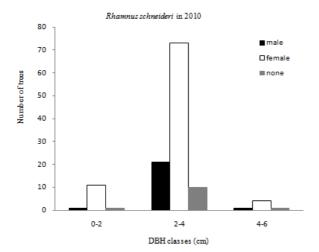


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Fig. S3 - The annual DBH distribution in males, females and non-reproductive individuals in 2010 and 2011.







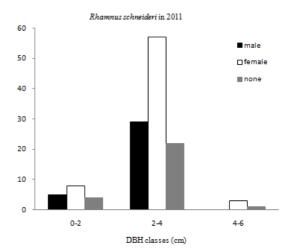


Fig. S4 - Accumulated annual ring width of males (hollow circles) and females (solid circles) for two species.

