

The Comparison of Morphological Characteristics of *Amelanchier arborea* and *Amelanchier asiatica*

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Due to lack of recent research on *Amelanchier* species, their superficial classification is still unclear and they are being used interchangeably. This study was conducted to reveal the difference of morphological characteristics of *Amelanchier asiatica* and *Amelanchier arborea* by seasonal monitoring from May to October. Fruit setting, fruit coloring, maturity, and morphological characteristics of leaves, flowers, and fruits were examined. The initial fruit setting of *A. arborea* was green on 20th May, it changed into purple on 29th June, and its color changing periods were 37 days. On the other hand, *A. asiatica* showed greenish fruit on 25th May, it becomes purple fruit on 25th October, and the periods took 150 days. Also, *A. arborea* were from 1.06cm to 1.15cm and *A. asiatica* were from 0.67cm to 0.71cm in diameter. *A. arborea* has bigger than those of *A. asiatica*. Therefore, this study tried to reestablish definite identification key between *A. arborea* and *A. asiatica* following their ecological and morphological characteristics to prevent misidentification of them.

Key words : *Amelanchier asiatica*, *amelanchier arborea*, seasonal fruit monitoring