

Nov. 157909.

Dren Collins =

The foreign authors while they separate clearly *B. verrucosa* + *pubescens* yet show that pubescence is not a reliable character

Wellkomm: Forstliche Flora p 302 says of *B. alba* (*pubescens*) "Blätter bald in der Jugend oder bleibend weichhaarig, bald von Anfang an kahl
× × Triebe in der Jugend sammtig behaart, später meist kahl ohne Wachsharzabsonderung".
+ of *B. verrucosa* p 314 "Triebe in der Jugend oder bleibend mit Wachsharzwangen bestreut, kahl, nur die jungen Samenblöden sammt ihren Blättern gleichzeitig weich behaart".

So too Mathieu: Flore forestière of *B. verrucosa* "complètement glabre à l'état adulte, parfois légèrement pubescentes sur les très jeunes plantes et sur les rejet"

The firm character of the Arnold birch leaves is mentioned by both Wellkomm says "Blätter von derber Textur alt fast lederartig" + Mathieu s'épaissant et devenant coraces en automne

Hb



Preston, Howard W. 1909. "Preston, Howard W. Nov. 15, 1909." *James Franklin Collins correspondence*

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