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附录 I 温带针阔混交林各树种生物量计算公式

Supplement I Biomass calculation formula of each tree species in a temperate coniferous and broadleaved mixed forest

| 序号 No. | 树种 Tree species | 异速方程 Allometric equation |
|--------|---|--------------------------------------|
| 1 | 杉松、臭冷杉、冷杉、红皮云杉、鱼鳞云杉 <i>Abies holophylla</i> , <i>A. nephrolepis</i> , <i>A. fabri</i> , <i>Picea koraiensis</i> , <i>P. jezoensis</i> | $AGB = \exp(-2.989 + 2.613 \ln DBH)$ |
| 2 | 白牛槭、簇毛槭、茶条槭、青楷槭、花楷槭、拧筋槭 <i>Acer mandshuricum</i> , <i>A. barbinerve</i> , <i>A. tataricum</i> subsp. <i>ginnala</i> , <i>A. tegmentosum</i> , <i>A. ukurunduense</i> , <i>A. triflorum</i> | $AGB = \exp(-2.111 + 2.310 \ln DBH)$ |
| 3 | 色木槭 <i>Acer pictum</i> subsp. <i>mono</i> | $AGB = \exp(-2.164 + 2.336 \ln DBH)$ |
| 4 | 白桦、硕桦、黑桦 <i>Betula platyphylla</i> , <i>B. costata</i> , <i>B. dahurica</i> | $AGB = \exp(-1.941 + 2.286 \ln DBH)$ |
| 5 | 千金榆 <i>Carpinus cordata</i> | $AGB = \exp(-1.909 + 2.111 \ln DBH)$ |
| 6 | 胡桃楸 <i>Juglans mandshurica</i> | $AGB = \exp(-2.466 + 2.381 \ln DBH)$ |
| 7 | 水曲柳、花曲柳、黄檗 <i>Fraxinus mandshurica</i> , <i>F. chinensis</i> subsp. <i>rhynchophylla</i> , <i>Phellodendron amurense</i> | $AGB = \exp(-2.301 + 2.443 \ln DBH)$ |
| 8 | 红松 <i>Pinus koraiensis</i> | $AGB = \exp(-3.394 + 2.582 \ln DBH)$ |
| 9 | 青杨、山杨、香杨、崖柳 <i>Populus cathayana</i> , <i>P. davidiana</i> , <i>Deutzia parviflora</i> , <i>Salix floderusii</i> | $AGB = \exp(-2.507 + 2.358 \ln DBH)$ |
| 10 | 蒙古栎 <i>Quercus mongolica</i> | $AGB = \exp(-2.797 + 2.571 \ln DBH)$ |
| 11 | 糠椴、紫椴 <i>Tilia mandshurica</i> , <i>T. amurensis</i> | $AGB = \exp(-2.364 + 2.323 \ln DBH)$ |
| 12 | 春榆、大果榆、黑榆、裂叶榆、水榆花楸、花楸树 <i>Ulmus davidiana</i> , <i>U. macrocarpa</i> , <i>U. davidiana</i> , <i>U. laciniata</i> , <i>Sorbus alnifolia</i> , <i>S. pohuashanensis</i> | $AGB = \exp(-2.058 + 2.271 \ln DBH)$ |
| 13 | 山丁子、山槐、刺槐、山梨、稠李、暴马丁香、乌苏里鼠李、小叶鼠李、东北鼠李、鼠李、黑樱桃、接骨木、珍珠梅、溲疏属、毛榛、东北山梅花、忍冬属、卫矛属、大叶小檗、榉木 <i>Malus baccata</i> , <i>Albizia kalkora</i> , <i>Robinia pseudoacacia</i> , <i>Pyrus ussuriensis</i> , <i>Padus avium</i> , <i>Syringa reticulata</i> subsp. <i>amurensis</i> , <i>Rhamnus ussuriensis</i> , <i>R. parvifolia</i> , <i>R. schneideri</i> var. <i>mandshurica</i> , <i>R. davurica</i> , <i>Cerasus maximowiczii</i> , <i>Sambucus williamsii</i> , <i>Sorbaria sorbifolia</i> , <i>Deutzia</i> , <i>Corylus mandshurica</i> , <i>Philadelphus schrenkii</i> , <i>Lonicera</i> , <i>Euonymus</i> , <i>Berberis ferdinandi-coburgii</i> , <i>Aralia elata</i> | $AGB = \exp(-2.001 + 2.198 \ln DBH)$ |

AGB, 地上生物量; DBH, 胸径。

AGB, aboveground biomass; DBH, diameter at breast height.