

Identity card

Intra-specific hybrid *Populus deltoides*

Mother: *Populus deltoides* 73028-62 (Illinois)

Father: *Populus deltoides* L123-011 (Illinois)

Sex: male

Date of creation: 1989, by crossing controlled at INRAE in Orléans

Co-breeders: Poplar GIS members (FCBA and INRAE)

Community plant variety protection: EU 34572 of 18/03/2013

Molecular identity: available from GEVES



Morphological characteristics and wood quality

Crown shape: overall fairly spread out and airy

Leaf color at bud break: red

Bud break: later than I-214 and earlier than Alcinde

Defoliating: much later than I-214 and later than Alcinde

Architecture:

	Trunk straightness	Branch angle	Branch size	Presence of intervertebral branches
Delvignac	straight	30 à 45°	quite strong	absent
I-214	flexuous	45°	medium	quite frequent
Alcinde	straight	30 to 45 °	strong enough	infrequent

Wood quality (at 2 years): density of 320 kg.m⁻³ (I-214 260 kg.m⁻³ and Alcinde 360 kg.m⁻³)

Performances evaluated in experimental devices

Sensitivity to diseases and insects:

	Very sensitive	Sensitive	Medium	Not very sensitive	Very insensitive
Bacterial canker (<i>X. populi</i>)					X
Leaf browning (<i>D. brunnea</i>)					X
Rust (<i>M. larici-populina</i>)				X	
Woolly aphid (<i>P. passerinii</i>)					X

Growth:

Nursery recovery rate: very good

Planting recovery rate: excellent

Stations: tested on several types of alluvial stations: wet, rich and dry

Soils: tested on several types of textures: predominantly clayey, sandy, silty and + or – balanced

Plantation management: requires rather intensive and early follow-up for training sizes