

Identity card

Intra-specific hybrid *Populus deltoides*

Mother: *Populus deltoides* L155-079 (Illinois)

Father: *Populus deltoides* 73021-15 (Illinois)

Sex: female

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

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

Community plant variety protection: EU 34574 of 18/03/2013

Molecular identity: available from GEVES



Morphological characteristics and wood quality

Crown shape: spread out

Leaf color at bud break: red

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

Defoliating: similar to I-214 and earlier than Alcinde

Architecture:

	Trunk straightness	Branch angle	Branch size	Presence of intervertebral branches
Delgas	little flexuous	< 30°	quite thin	quite frequent
I-214	flexuous	45°	medium	quite frequent
Alcinde	straight	30 to 45 °	strong enough	infrequent

Wood quality (at 2 years): density of 300 kg/m³ (I-214 260 kg/m³ and Alcinde 360 kg/m³)

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: excellent

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 in particular

Particularity: abundant fruiting with cotton production, to be established away from homes and sensitive agricultural activities