

Identity card

Intra-specific hybrid *Populus deltoides* x *Populus nigra*

Mother: *Populus deltoides* TNS06-042

Father: *Populus nigra* Blanc de Garonne

Sex: female

Date of creation: 2001, by crossing controlled at INRAE in Orléans

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

Community plant variety protection: *waiting*



4 year old plot

Morphological characteristics and wood quality

Crown shape: semi-spread

Bud break: late

Defoliating: intermediate

Architecture:

	Trunk straightness	Branch angle	Branch size	Presence of intervertebral branches
Orcane	rather straight	rather closed	thin	frequent
I-214	flexuous	very open	medium	quite frequent
Koster	straight	intermediate	thin	very frequent

Wood quality: light wood, infradensity (at 8 years) close to 300 kg.m⁻³ (I-214 : 270 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: Equivalent to that of I-214 and slightly lower than that of Dorskamp. Growth was assessed on 16 plots of varying ages (2 to 11 years), located in various soil and forestry contexts. Growth is compared to controls I-214 and Dorskamp, present at all sites.