

Identity card

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

Mother: *Populus deltoides* M231-129

Father: *Populus nigra* 3824-3

Sex: male

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

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

Community plant variety protection: *waiting*



6 year old plot

Morphological characteristics and wood quality

Crown shape: spread

Bud break: early to intermediate

Defoliating: intermediate

Architecture:

| | Trunk straightness | Branch angle | Branch size | Presence of intervertebral branches |
|-----------------|--------------------------|------------------|-------------------------|-------------------------------------|
| Galicane | slightly flexuous | very open | medium to strong | infrequent |
| I-214 | flexuous | very open | medium | quite frequent |
| Koster | straight | intermediate | thin | very frequent |

Wood quality: heavy wood, infradensity (at 3 years) close to 370 kg.m⁻³ (I-214 : 290 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: Higher than that of Dorskamp and much higher than that of I-214. 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.