



THE TRANSFORMATIVE
POWER OF OIL PALM

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International

OIL
PALM

Conference

THE TRANSFORMATIVE POWER OF OIL PALM

CONFERENCE:

An example of genetic additivity in resistance to bud rot.



ARTHUR CORNET

Geneticist, at PalmElit SAS

SESSION 4
INSECT AND DISEASE
MANAGEMENT

SEPT 29 | 2022

He graduated from AgrosParisTech with a
Master's degree in Engineering.

He currently works as a geneticist and breeder
at PalmElit SAS.

He completed an internship in data analysis at
ERCANE, where he focused on the estimation
of genetic parameters (additivity variances,
dominance variances, heritability in a narrow
sense, genetic correlations) for several traits of
agronomic interest in sugarcane using different
methods (parent-child regression, analysis of
cross designs and use of a mixed linear model
with a matching matrix).

Previously completed an internship as an
assistant breeding engineer for the cultivar
Tounesol at MAS Seedsinn Rhodon, France.

Worked on phenotyping of plants: Noting
flowering dates, measuring heights, counting
diseases (Sclerotinia, Mild, W -
Verticillium) Statistical analysis to detect QTL
associated with earliness at flowering created a
protocol for inoculation of Sclerotinia on the
basket working in the nursery (spiking, manual
castration, crossing, poaching, pollen
collection...).