

Trees

Tree Note

- The publicid will be prefixed with a # after elimination. Like this we may reuse the physical publicid label.

- Varitey trees have no row_id and no site_id. For all others it's a must have.

- The convar value gets automatically set by the triggers. Do not manually

rows

id INT

code VARCHAR(45)

note TEXT

date_created DATE

date_eliminated DATE

deleted DATETIME

created DATETIME

modified DATETIME

Indexes

graftings

id INT

name VARCHAR(140)

Indexes

rootstocks

id INT

name VARCHAR(140)

Indexes

experiment_sites

id INT

name VARCHAR(140)

Indexes

Experiment Site Note

The sites are directly attached to the tree for performance reasons. We will select the site on application launch and it well be stored for the whole session. It won't be considered in getter methods, but it will be automatically set on setter methods.

trees

id INT

publicid CHAR(9)

date_grafted DATE

date_planted DATE

date_eliminated DATE

date_labeled DATE

genuine_seedling BOOLEAN

migrated_tree BOOLEAN

offset FLOAT

dont_eliminate BOOLEAN

note TEXT

variety_id INT

rootstock_id INT

grafting_id INT

row_id INT

experiment_site_id INT

deleted DATETIME

created DATETIME

modified DATETIME

convar VARCHAR(58)

Indexes

Triggers

BEF UPDATE tree_convar_UPDATE

BEF INSERT tree_convar_INSERT

trees_view

Convar Note

The convar is a virtual property and is created as the following example shows:

FiB44.14A.001

FiB44 → Code of the crossing (first part is from the mother clone, last part from the father clone)

17A → Code of the batch (YY[A-Z] or 000)

001 → Code of the variety (### or variety_name (underscored))

If we have an official variety the convar looks like this:

SORTE.000.Varitey_name

Translations

Kreuzung = crossing

Pollen = Pollen

Harvest = Ernte

Impregnatied = Befruchtet

Portions = Portionen

Batch = Los

Sprout = Keimling

Tray = Schale

Patch = Beet

Variety = Sorte (früher Klon)

Plant Breeder = Züchter

Registration = Zulassung

Scion = Reiser

Descent = Herkunft/Abstammung

Grafted = Veredelt

Genuine Seedling = Originalsäämpling

Rootstock = Unterlage

Experiment Site = Versuchsstandort

Mark = Bonitur (resp. neu auch Muster und Behandlngen)

Validation Rule = Gültigkeitsregel

Queries

queries

id INT

code VARCHAR(120)

my_query TEXT

description TEXT

query_group_id INT

deleted DATETIME

2 more...

Indexes

query_groups

id INT

code VARCHAR(120)

deleted DATETIME

created DATETIME

modified DATETIME

Indexes

mother_trees

id INT

code VARCHAR(45)

planned BOOLEAN

date_pollen_harvested DATE

date_impregnated DATE

date_fruit_harvested DATE

numb_portions INT

numb_flowers INT

numb_fruits INT

numb_seeds INT

note TEXT

tree_id INT

crossing_id INT

deleted DATETIME

created DATETIME

modified DATETIME

Indexes

mother_trees_view

crossings

id INT

code VARCHAR(8)

mother_variety_id INT

father_variety_id INT

target TEXT

deleted DATETIME

2 more...

Indexes

Triggers

AFT UPDATE crossing_cros...

BEF INSERT variety_convar...

crossings_view

batches

id INT

code CHAR(3)

date_sowed DATE

numb_seeds_sowed INT

numb_sprouts_grown INT

seed_tray VARCHAR(140)

date_planted DATE

numb_sprouts_planted INT

patch VARCHAR(140)

note TEXT

crossing_id INT

deleted DATETIME

created DATETIME

modified DATETIME

crossing_batch VARCHAR(12)

Indexes

Triggers

BEF UPDATE batch_crossing_batc...

AFT UPDATE batch_convar_UPD...

BEF INSERT batch_crossing_batc...

batches_view

varieties

id INT

code VARCHAR(45)

official_name VARCHAR(140)

acronym VARCHAR(10)

plant_breeder VARCHAR(255)

registration VARCHAR(140)

description TEXT

batch_id INT

deleted DATETIME

created DATETIME

modified DATETIME

convar VARCHAR(58)

Indexes

Triggers

AFT UPDATE variety_tree_UPDATE

BEF UPDATE variety_convar_UPDATE

BEF INSERT variety_convar_INSERT

varieties_view

scions_bundles

id INT

code VARCHAR(45)

numb_scions INT

date_scions_harvest DATE

descents_publicid_list VARCHAR(140)

note TEXT

external_use BOOLEAN

variety_id INT

deleted DATETIME

created DATETIME

modified DATETIME

Indexes

scions_bundles_view

Batches Note

The crossing_batch gets automatically set by triggers. Do not manually change it.

Varieties Note

The former name of this table was clone. It was changed due to its ambiguousness with the php command ,clone'. If it's an official variety, we have to fill in the official_name. Else we assume that it's just a breeders

The convar value gets automatically set by the triggers. Do not manually change it.

Scions Bundles Note

Use the descents_publicid_list als comma separated list to track the ancestry

Marks

mark_forms

id INT

name VARCHAR(45)

description TEXT

created DATETIME

modified DATETIME

Indexes

marks

id INT

date DATE

author VARCHAR(45)

mark_form_id INT

tree_id INT

variety_id INT(11)

batch_id INT

created DATETIME

modified DATETIME

Indexes

marks_view

mark_form_fields

id INT

priority INT

mark_form_id INT

mark_form_property_id INT

created DATETIME

modified DATETIME

Indexes

mark_values

id INT

value VARCHAR(255)

exceptional_mark BOOLEAN

mark_form_property_id INT

mark_id INT

created DATETIME

modified DATETIME

Indexes

mark_form_properties

id INT

name VARCHAR(45)

validation_rule VARCHAR(255)

field_type VARCHAR(45)

note TEXT

mark_form_property_type_id INT

created DATETIME

modified DATETIME

tree_property BOOLEAN

variety_property BOOLEAN

batch_property BOOLEAN

Indexes

mark_form_property_types

id INT

name VARCHAR(45)

Indexes

Mark Values Note

The field exceptional_mark says, that the mark wasn't planned.

Mark Form Property Types Note

These mark form property types serve us to distinguish different types of marks like rating, treatments, samples etc.