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.

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 = Originalsäämling
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
- created DATETIME
- modified DATETIME

Indexes

query_groups
- id INT
- code VARCHAR(120)
- deleted DATETIME
- created DATETIME
- modified DATETIME

Indexes

mother_trees_view

mother_trees
- id INT
- code VARCHAR(45)
- planed BOOLEAN
- date_pollen_harvested DATE
- date_impregnated DATE
- date_fruit_harvested DATE
- numb_portions INT
- numb_flowers INT
- numb_fruits INT
- numb_seeds INT
- dont_eliminate BOOLEAN
- note TEXT
- tree_id INT
- crossing_id INT
- deleted DATETIME
- created DATETIME
- modified DATETIME

Indexes

crossings_view

crossings
- id INT
- code VARCHAR(8)
- mother_variety_id INT
- father_variety_id INT
- target TEXT
- deleted DATETIME
- created DATETIME
- modified DATETIME

Indexes

Triggers
- AFT UPDATE crossing_cros…
- BEF INSERT variety_convar…

batches_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 Note

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

rows
- id INT
- code VARCHAR(45)
- note TEXT
- date_created DATE
- date_eliminated DATE
- deleted DATETIME
- created DATETIME
- modified DATETIME

Indexes

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

Indexes

trees_view

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.

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
- BEF UPDATE variety_convar_UPDATE
- BEF INSERT variety_convar_INSERT

varieties_view

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_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 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

mark_form_fields
- id INT
- priority INT
- mark_form_id INT
- mark_form_property_id INT
- created DATETIME
- modified DATETIME

Indexes

Mark Values Note

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

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

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

marks_view

mark_scanner_codes
- id INT
- code VARCHAR(45)
- mark_value VARCHAR(255)
- mark_form_property_id INT

Indexes

mark_form_property_types
- id INT
- name VARCHAR(45)

Indexes

Mark Form Property Types Note

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

Auxiliaries

users
- id INT(11)
- email VARCHAR(255)
- password VARCHAR(255)
- level INT(11)
- time_zone VARCHAR(120)
- created DATETIME
- modified DATETIME

Indexes