

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 = 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

Indexes

query\_groups

id INT

code VARCHAR(120)

deleted DATETIME

created DATETIME

modified DATETIME

Indexes

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

note TEXT

tree\_id INT

crossing\_id INT

deleted DATETIME

created DATETIME

modified DATETIME

Indexes

mother\_trees\_view

crossings\_view

crossings

id INT

code VARCHAR(8)

mother\_variety\_id INT

father\_variety\_id INT

target TEXT

deleted 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.

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

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 planed.

Mark Form Property Types Note

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