

General Advice

- Respect primary keys as they are almost always referenced from other tables
- Use Auto-Increment on inserts
- Changing data may change historical data that references it.
 - Changing an item name will change its name on year-old receipts for example
 - Backups will help

Packapps / frvitdb

use: root

pass: r1cefrvit

If you want to make changes, if possible, use the interface rather than backend
often there are hooks to other ~~tables~~ for tables or reports

i.e. trying to add a record to ~~it~~ track over time

8/16/16

Grover DB

- This database is replicated to a VPS under Digital Ocean that performs replication over a VPN.
- All transactions must be clean-room to maintain this synchronization
- Edits, updates, Selects, deletes are okay, ~~WITH INSERT FROM, INSERT.., SELECT~~ will break replication. (Don't do this!)
- Don't import CSV's, or create a view or execute a query that references another DB while under 'use grover-reporting'
- Show master status and SHOW SLAVE STATUS on both servers should sync up or replication could be broken



Loading...

MySQL Database Notes
Operations Data

AggregateWeightSamples

Table comments: Weight in lbs

Inserted by quality, weight of 20 fruit test
Manual edits ok here, used to feed RTSW quality view

Column	Type	Null	Default	Links to	Comments	MIME
RT#	int(11)	No				
Weight	float	No				
InspectorName	varchar(255)	No				

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
RT#	BTREE	No	No	RT#	74	A	No	

AlertEmails

- Lists emails that receive alerts from QA
- Inserts/edits ok, UI editor @ quality->controlpanel
(MUST enable Session Manager for user)

Column	Type	Null	Default	Links to	Comments	MIME
ID (Primary)	int(11)	No	AI			
FullName	varchar(255)	No				
EmailAddress	varchar(255)	No				

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	ID	5	A	No	
FullName	BTREE	Yes	No	FullName	5	A	No	

AppleSamples

Do not delete without advising runsamples in InspectedRTs - Only valid at 3/10/25
Individual quality values OK to update
for Avg and DAavg. Update automatically
Contains individual Apple Data from RT inspections

Column	Type	Null	Default	Links to	Comments	MIME
RT# (Primary)	int(11)	No		InspectedRTs -> RTNum		
SampleNum (Primary)	tinyint(11)	No				
Pressure1	varchar(50)	Yes	NULL			
Pressure2	varchar(50)	Yes	NULL			
DA (lower = riper)	varchar(50)	Yes	NULL			
DA2	varchar(50)	Yes	NULL			
Brix	varchar(50)	Yes	NULL			
Weight	varchar(50)	Yes	NULL			

<i>Starch</i>	<i>varchar(3)</i>	<i>Yes</i>	<i>NULL</i>			
<i>FinalTestedBy</i>	<i>varchar(255)</i>	<i>Yes</i>	<i>NULL</i>			
<i>FinalInspectionDate</i>	<i>timestamp</i>	<i>No</i>	<i>CURRENT_TIMESTAMP</i>			
<i>PrAvg</i>	<i>varchar(50)</i>	<i>Yes</i>	<i>NULL</i>			
<i>DAvg</i>	<i>varchar(50)</i>	<i>Yes</i>	<i>NULL</i>			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<i>PRIMARY</i>	<i>BTREE</i>	<i>Yes</i>	<i>No</i>	<i>RT#</i>	<i>152</i>	<i>A</i>	<i>No</i>	
				<i>SampleNum</i>	<i>915</i>	<i>A</i>	<i>No</i>	
<i>RT#</i>	<i>BTREE</i>	<i>No</i>	<i>No</i>	<i>RT#</i>	<i>152</i>	<i>A</i>	<i>No</i>	
<i>FinalInspectionDate</i>	<i>BTREE</i>	<i>No</i>	<i>No</i>	<i>FinalInspectionDate</i>	<i>183</i>	<i>A</i>	<i>No</i>	

AvgWeightByRT

VIEW W : Do Not Edit

Table comments: VIEW
Summarizes AggregateWeightsamples by RT

Column	Type	Null	Default	Links to	Comments	MIME
<i>RTNum</i>	<i>int(11)</i>	<i>No</i>				
<i>WeightAvg</i>	<i>double</i>	<i>Yes</i>	<i>NULL</i>			

BULKOHCSVUpdated once a minute by a cron script
Do not edit

Table comments: Updated every minute

Column	Type	Null	Default	Links to	Comments	MIME
<i>RT#</i>	<i>int(5)</i>	<i>No</i>	<i>0</i>			
<i>SortCode</i>	<i>varchar(15)</i>	<i>Yes</i>	<i>NULL</i>			
<i>CropYear</i>	<i>int(1)</i>	<i>Yes</i>	<i>NULL</i>			
<i>Grower</i>	<i>varchar(2)</i>	<i>Yes</i>	<i>NULL</i>			
<i>GrowerName</i>	<i>varchar(18)</i>	<i>Yes</i>	<i>NULL</i>			
<i>Class</i>	<i>int(1)</i>	<i>Yes</i>	<i>NULL</i>			
<i>ClassDesc</i>	<i>varchar(20)</i>	<i>Yes</i>	<i>NULL</i>			
<i>Commodity</i>	<i>int(2)</i>	<i>Yes</i>	<i>NULL</i>			
<i>CommDesc</i>	<i>varchar(16)</i>	<i>Yes</i>	<i>NULL</i>			
<i>Variety</i>	<i>int(2)</i>	<i>Yes</i>	<i>NULL</i>			
<i>VarDesc</i>	<i>varchar(16)</i>	<i>Yes</i>	<i>NULL</i>			
<i>Strain</i>	<i>varchar(2)</i>	<i>Yes</i>	<i>NULL</i>			
<i>StrDesc</i>	<i>varchar(16)</i>	<i>Yes</i>	<i>NULL</i>			
<i>Farm</i>	<i>varchar(2)</i>	<i>Yes</i>	<i>NULL</i>			
<i>FarmDesc</i>	<i>varchar(18)</i>	<i>Yes</i>	<i>NULL</i>			

Block	varchar(2)	Yes	NULL			
BlockDesc	varchar(18)	Yes	NULL			
Lot	varchar(5)	Yes	NULL			
Date	varchar(10)	Yes	NULL			
Size	varchar(5)	Yes	NULL			
Pack	varchar(3)	Yes	NULL			
QtyOnHand	varchar(7)	Yes	NULL			
BuOnHand	varchar(7)	Yes	NULL			
Location	varchar(1)	Yes	NULL			
LocationDesc	varchar(20)	Yes	NULL			
RoomNum	int(2)	Yes	NULL			
CoNum	int(1)	Yes	NULL			
Company Name	varchar(20)	Yes	NULL			

Updated by cpan script

BULKTKCSV

Do not edit

Column	Type	Null	Default	Links to	Comments	MIME
RT#	int(5)	Yes	NULL			
Sort Code	varchar(15)	Yes	NULL			
Crop Year	int(1)	Yes	NULL			
Grower	varchar(2)	Yes	NULL			
Grower Name	varchar(18)	Yes	NULL			
Class	int(1)	Yes	NULL			
Class Desc	varchar(20)	Yes	NULL			
Commodity	int(2)	Yes	NULL			
Comm Desc	varchar(16)	Yes	NULL			
Variety	int(2)	Yes	NULL			
Var Desc	varchar(16)	Yes	NULL			
Strain	varchar(2)	Yes	NULL			
Str Desc	varchar(16)	Yes	NULL			
Farm	varchar(2)	Yes	NULL			
Farm Desc	varchar(18)	Yes	NULL			
Block	varchar(2)	Yes	NULL			
Block Desc	varchar(18)	Yes	NULL			
Lot	varchar(5)	Yes	NULL			
Date	varchar(10)	Yes	NULL			
Size	varchar(5)	Yes	NULL			
Pack	varchar(3)	Yes	NULL			
Ticket#	varchar(8)	Yes	NULL			
Qty In	varchar(7)	Yes	NULL			

Qty Out	varchar(7)	Yes	NULL			
Qty On Hand	varchar(7)	Yes	NULL			
Location	int(1)	Yes	NULL			
Location Desc	varchar(20)	Yes	NULL			
Room#	int(2)	Yes	NULL			
Pack Wt	varchar(7)	Yes	NULL			
Bu Wt	varchar(4)	Yes	NULL			
Bu On Hand	varchar(13)	Yes	NULL			
Co#	int(1)	Yes	NULL			
Company Name	varchar(20)	Yes	NULL			

Block_Receiving

~~Do not edit, sends QA summaries to grower portal~~

Table comments: VIEW

Column	Type	Null	Default	Links to	Comments	MIME
Grower	varchar(2)	Yes	NULL			
CommDesc	varchar(16)	Yes	NULL			
Farm	varchar(18)	Yes	NULL			
Block	varchar(18)	Yes	NULL			
VarDesc	varchar(16)	Yes	NULL			
Strain	varchar(16)	Yes	NULL			
Pressure1	double(20,3)	Yes	NULL			
Pressure2	double(19,2)	Yes	NULL			
Brix	double(19,2)	Yes	NULL			
DA	double(19,2)	Yes	NULL			
DA2	double(19,2)	Yes	NULL			
Count	bigint(21)	No	0			
Weight	double(19,2)	Yes	NULL			
Starch	double(19,2)	Yes	NULL			

InspectedRTs

Manual Inserts Okay, but must also be reflected in Applesamples - Edits to quality values except #Samples Ok
contains summary row of each RT in QA System

Column	Type	Null	Default	Links to	Comments	MIME
RTNum (Primary)	int(11)	No				
#Samples	int(11)	No				
Color Quality	enum('Good', 'Fair', 'Poor', 'Green', 'Yellow')	No				
Blush	tinyint(1)	No				
	enum('Light',					

Bruise	'Severe', 'None', 'Heavy')	No					
BitterPit	tinyint(1)	No					
Russet	enum('None', 'Light', 'Moderate', 'Heavy', 'Severe')	No					
Scab	enum('None', 'Light', 'Moderate', 'Heavy', 'Severe')	No					
StinkBug	enum('None', 'Light', 'Moderate', 'Heavy', 'Severe')	No					
SanJoseScale	enum('None', 'Light', 'Moderate', 'Heavy', 'Severe')	No					
SunBurn	enum('None', 'Light', 'Moderate', 'Heavy', 'Severe')	No					
Note	varchar(255)	No					
DateInspected	timestamp	No	CURRENT_TIMESTAMP				
InspectedBy	varchar(255)	No					
isFinalInspected	tinyint(1)	No					
FTAup	tinyint(1)	No	0				
DAFinished	tinyint(1)	No					
StarchFinished	tinyint(1)	No					

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	RTNum	82	A	No	
isFinalInspected	BTREE	No	No	isFinalInspected	6	A	No	
DateInspected	BTREE	No	No	DateInspected	82	A	No	

Do Not Edit

Updated once a minute by cron

PSOHCSV

Column	Type	Null	Default	Links to	Comments	MIME
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Ticket#	varchar(255)	No							
Crop Year	varchar(255)	No							
Run#	int(11)	No							
Commodity	varchar(255)	No							
Commodity Desc	varchar(255)	No							
Variety	varchar(255)	No							
Var Desc	varchar(255)	No							
Grade	varchar(255)	No							
Grade Desc	varchar(255)	No							
Size	varchar(255)	No							
Size Desc	varchar(255)	No							
LotA	varchar(255)	No							
LotB	varchar(255)	No							
LotC	varchar(255)	No							
Grower	varchar(255)	No							
Grower Desc	varchar(255)	No							
Bin Size	varchar(255)	No							
Trtmt	varchar(255)	No							
Location	varchar(255)	No							
Location Desc	varchar(255)	No							
Room#	varchar(255)	No							
Origin	varchar(255)	No							
Date	varchar(255)	No							
In_PSOHCSV	varchar(255)	No							
Out_PSOHCSV	varchar(255)	No							
On Hand	varchar(255)	No							
Co#	varchar(255)	No							
Company Name	varchar(255)	No							

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Var Desc	BTREE	No	No	Var Desc	157	A	No	
Grade Desc	BTREE	No	No	Grade Desc	157	A	No	
Size	BTREE	No	No	Size	157	A	No	
LotB	BTREE	No	No	LotB	157	A	No	
Grower Desc	BTREE	No	No	Grower Desc	157	A	No	
Run#	BTREE	No	No	Run#	157	A	No	
Size Desc	BTREE	No	No	Size Desc	157	A	No	
Grower	BTREE	No	No	Grower	157	A	No	

http://packapps/fruitdb/db_datadict.php?db=operationsData&token=659130f93b80d0a0589c153f18850187&goto=db_structure.php

Ticket#	BTREE	No	No	Ticket#	157	A	No
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- Contains PS Runs that are flagged by QA
 - For production inventory export

PSOHCSV_flagged_bad_runs

Column	Type	Null	Default	Links to	Comments	MIME
Run	int(11)	No				
Date	timestamp	No	CURRENT_TIMESTAMP			
isBad	tinyint(1)	No	1			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Run_2	BTREE	Yes	No	Run	0	A	No	

RTsWQuality

View summarizing Bulkon + quality info from RT report

Table comments: VIEW

Do not edit

Column	Type	Null	Default	Links to	Comments	MIME
RT#	int(5)	No	0			
SortCode	varchar(15)	Yes	NULL			
Crop Year	int(1)	Yes	NULL			
Grower	varchar(2)	Yes	NULL			
Grower Name	varchar(18)	Yes	NULL			
Class	int(1)	Yes	NULL			
Class Desc	varchar(20)	Yes	NULL			
Commodity	int(2)	Yes	NULL			
CommDesc	varchar(16)	Yes	NULL			
Variety	int(2)	Yes	NULL			
Var Desc	varchar(16)	Yes	NULL			
Strain	varchar(2)	Yes	NULL			
Str Desc	varchar(16)	Yes	NULL			
Farm	varchar(2)	Yes	NULL			
Farm Desc	varchar(18)	Yes	NULL			
Block	varchar(2)	Yes	NULL			
Block Desc	varchar(18)	Yes	NULL			
Lot	varchar(5)	Yes	NULL			
Date	varchar(10)	Yes	NULL			
Size	varchar(5)	Yes	NULL			
Pack	varchar(3)	Yes	NULL			
QtyOnHand	varchar(7)	Yes	NULL			

BuOnHand	varchar(7)	Yes	NULL				
Location	int(2)	Yes	NULL				
Co#	int(1)	Yes	NULL				
Company Name	varchar(20)	Yes	NULL				
isQA	varchar(5)	No					
PressureAvg	varbinary(23)	Yes	NULL				
DAAvg	varbinary(23)	Yes	NULL				
Brix	varbinary(23)	No					
Starch	varbinary(7)	No					
Color	varchar(16)	No					
Bruise	varchar(6)	No					
BitterPit	varchar(11)	Yes	NULL				
Russet	varchar(8)	No					
Sunburn	varchar(8)	No					
San Jose Scale	varchar(8)	No					
Scab	varchar(8)	No					
StinkBug	varchar(8)	No					
AverageWeight	varchar(23)	No					
SizefromAverage	varchar(3)	Yes	NULL				
Notes	varchar(255)	No					
InspectedBy	text	Yes	NULL				
DateTested	varchar(19)	No					

master_users

- Realname can be edited manually.
 - Inserts must be accompanied by inserts to every userdata table

- Contains master user list for packapps. Each userdata table links here.

Column	Type	Null	Default	Links to	Comments	MIME
username (Primary)	varchar(255)	No				
Real Name	varchar(255)	No				
Password	varchar(255)	No				
lastLogin	datetime	No				
isDisabled	tinyint(1)	No	0			
allowedQuality	tinyint(1)	No	0			
allowedPurchasing	tinyint(1)	No	0			
allowedProduction	tinyint(1)	No	0			
isSystemAdministrator	tinyint(1)	No	0			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	username	19	A	No	

production_ConnectedDisplays

-Used to keep IP's of raspis to make reboot them
User agent used to filter them

Column	Type	Null	Default	Links to	Comments	MIME
IP_addr (Primary)	varchar(45)	No				
connected_line	varchar(10)	No				
last_seen	datetime	No				
User_agent	varchar(1000)	No				

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	IP_addr	7	A	No	
User_agent	BTREE	No	No	User_agent (767)	7	A	No	

-Links to master_users
-isSectionManager is deprecated

production_UserData

Column	Type	Null	Default	Links to	Comments	MIME
UserName (Primary)	varchar(255)	No		master_users -> username		
Role	enum('ReadOnly', 'Production')	No				
DateCreated	datetime	No	CURRENT_TIMESTAMP			
isSectionManager	tinyint(1)	No				
chatLastOnline_blue	datetime	No	CURRENT_TIMESTAMP			
chatLastOnline_gray	datetime	No	CURRENT_TIMESTAMP			
chatLastOnline_presizer	datetime	No	CURRENT_TIMESTAMP			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	UserName	19	A	No	
UserName	BTREE	No	No	UserName	19	A	No	

-All messages ever posted to chat
-Inserts, Deletes, Updates OR

production_chat

Column	Type	Null	Default	Links to	Comments	MIME
ID (Primary)	bigint(20)	No				
Line	enum('blue', 'gray', 'presizer')	No				
User	varchar(255)	No				
Message	varchar(255)	No				

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	ID	294	A	No	
Line	BTREE	No	No	Line	7	A	No	
User	BTREE	No	No	User	24	A	No	

- Contains "dumping" into for each run
- Edits to grower - amount to dump OK

production_dumped_fruit

Column	Type	Null	Default	Links to	Comments	MIME
isNOT	tinyint(1)	No			Mark as Ref	
RunID	int(11)	No		production_runs -> RunID		
Grower	varchar(14)	No				
Variety	varchar(255)	No				
Quality	varchar(255)	No				
Size	varchar(255)	No				
Lot	varchar(10)	No				
Location	varchar(255)	No				
AmountToDump	int(11)	No		IF = 1, will display "Run-out"		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
RunID	BTREE	No	No	RunID	312	A	No	

- contains all product from production runs

production_product_needed

Column	Type	Null	Default	Links to	Comments	MIME
RunID	int(11)	No		production_runs -> RunID		
ProductNeededName	varchar(255)	No				
PackSizeNeeded	varchar(255)	No				
AmountNeeded	int(11)	Yes	NULL			
amountIsInBoxes	tinyint(1)	No				

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
RunID	BTREE	No	No	RunID	893	A	No	

- Master list of runs
- product-needed and dumped-fruit starts here
- Edits should be done through production pack app

production_runs

Column	Type	Null	Default	Links to	Comments	MIME

<i>RunID (Primary)</i>	<i>int(11)</i>	No						
<i>RunNumber</i>	<i>int(11)</i>	Yes	<i>NULL</i>					
<i>Line</i>	<i>enum('Blue', 'Gray', 'Presizer', '')</i>	No						
<i>isCompleted</i>	<i>tinyint(1)</i>	No						
<i>isPreInspected</i>	<i>tinyint(1)</i>	No						
<i>isQA</i>	<i>tinyint(1)</i>	No						
<i>lastEdited</i>	<i>timestamp</i>	No	<i>CURRENT_TIMESTAMP</i>					
<i>lastEditedBy</i>	<i>varchar(255)</i>	No						

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<i>PRIMARY</i>	<i>BTREE</i>	Yes	No	<i>RunID</i>	272	<i>A</i>	<i>No</i>	
<i>isCompleted</i>	<i>BTREE</i>	No	No	<i>isCompleted</i>	4	<i>A</i>	<i>No</i>	
<i>RunNumber</i>	<i>BTREE</i>	No	No	<i>RunNumber</i>	272	<i>A</i>	<i>Yes</i>	
<i>Line</i>	<i>BTREE</i>	No	No	<i>Line</i>	4	<i>A</i>	<i>No</i>	
<i>lastEdited</i>	<i>BTREE</i>	No	No	<i>lastEdited</i>	272	<i>A</i>	<i>No</i>	

production_tempRunData

- Only used for 1-2 seconds to store imported runs
- If there's data here, delete it, it should be empty
- Cancelled imports leave trash here sometimes

Table comments: Holds run info while it is processed to and from json

Column	Type	Null	Default	Links to	Comments	MIME
<i>PK</i>	<i>int(11)</i>	No				
<i>Variety</i>	<i>varchar(255)</i>	No				
<i>Grade</i>	<i>varchar(255)</i>	No				
<i>Size</i>	<i>varchar(255)</i>	No				
<i>Grower</i>	<i>varchar(255)</i>	No				
<i>Lot</i>	<i>varchar(10)</i>	No				
<i>Location</i>	<i>varchar(255)</i>	No				

purchasing_Inventory_TimeSeries

- Records all changes per-item to inventory
- Used to create graphs
- Only 1st entry of each day used
- Entries older than 6 months not used

Column	Type	Null	Default	Links to	Comments	MIME
<i>TimeReceived (Primary)</i>	<i>datetime</i>	No				
<i>ItemID (Primary)</i>	<i>int(11)</i>	No		<i>purchasing_Items -> Item_ID</i>		
<i>Quantity</i>	<i>int(11)</i>	No				

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
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PRIMARY	BTREE	Yes	No	TimeReceived	10	A	No	
				ItemID	104	A	No	
ItemID	BTREE	No	No	ItemID	104	A	No	
TimeReceived	BTREE	No	No	TimeReceived	10	A	No	

- All items point here
 - Categorizes them into groups
 - Examples: PLU, Poly...

purchasing_ItemTypes

Column	Type	Null	Default	Links to	Comments	MIME
Type_ID (Primary)	int(11)	No			Dont touch this	
Type_Description	varchar(55)	No				
UnitOfMeasure	varchar(255)	No	Units			
WeeksToResupply	int(11)	No				

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	Type_ID	6	A	No	

- Entry for every item that is purchasable

purchasing_Items

- Purchases live here, as do supplier association

Column	Type	Null	Default	Links to	Comments	MIME
Item_ID (Primary)	int(11)	No				
Type_ID	int(11)	No		purchasing_ItemTypes -> Type_ID		
ItemDesc	varchar(255)	No			Editable	
isDisabled	tinyint(1)	No	0			
AmountInStock	int(11)	No	0	Dont touch this manually	<	
QtyPerUnit	int(11)	No			Editable	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	Item_ID	97	A	No	
Type_ID	BTREE	No	No	Type_ID	8	A	No	

- Roles for Suppliers

purchasing_Suppliers

- Editable, but will reflect on past purchases

Column	Type	Null	Default	Links to	Comments	MIME
SupplierID (Primary)	int(11)	No				
Name	varchar(255)	No				
ContactName	varchar(255)	No				
ContactPhone	varchar(20)	No				
ContactEmail	varchar(255)	No				

<i>InternalContact</i>	<i>varchar(255)</i>	No					
<i>hasFoodSafetyDocuments</i>	<i>tinyint(1)</i>	No	0		Shows a checkmark next to Supplier if checked		
<i>preferredContactMethod</i>	<i>enum('Phone', 'Email', 'Website', '')</i>	No				Unused	
<i>lastInteracted</i>	<i>timestamp</i>	No	<i>CURRENT_TIMESTAMP</i>				

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	<i>SupplierID</i>	1	A	No	

- Used by purchasing
- Points to master_users

purchasing_UserData

Column	Type	Null	Default	Links to	Comments	MIME
<i>UserName (Primary)</i>	<i>varchar(255)</i>	No		<i>master_users -> username</i>		
<i>isAuthorizedForPurchases</i>	<i>tinyint(1)</i>	No				
<i>isSectionManager</i>	<i>tinyint(1)</i>	No			Unused	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	<i>UserName</i>	19	A	No	

- For the link to Envio

purchasing_bill_of_materials

Column	Type	Null	Default	Links to	Comments	MIME
<i>Envio_AssetID</i>	<i>int(11)</i>	No				
<i>ItemID</i>	<i>int(11)</i>	No				
<i>NeededPerPallet</i>	<i>int(11)</i>	No				

- Maps the many to many relationship
- Price manually editable

purchasing_items2suppliers

Column	Type	Null	Default	Links to	Comments	MIME
<i>ItemID</i>	<i>int(11)</i>	No		<i>purchasing_Items -> Item_ID</i>		
<i>SupplierID</i>	<i>int(11)</i>	No		<i>purchasing_Suppliers -> SupplierID</i>		
<i>quotedPricePerUnit</i>	<i>float</i>	No			Editable	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<i>Normalization</i>	BTREE	Yes	No	<i>ItemID</i>	0	A	No	
				<i>SupplierID</i>	0	A	No	

<i>SupplierID</i>	<i>BTREE</i>	<i>No</i>	<i>No</i>	<i>SupplierID</i>	<i>0</i>	<i>A</i>	<i>No</i>	
<i>ItemID</i>	<i>BTREE</i>	<i>No</i>	<i>No</i>	<i>ItemID</i>	<i>0</i>	<i>A</i>	<i>No</i>	

- History of all purchases
- links Suppliers, Items,

purchasing_purchase_history

Column	Type	Null	Default	Links to	Comments	MIME
<i>Purchase_ID</i> (Primary)	<i>int(11)</i>	<i>No</i>				
<i>DateOrdered</i>	<i>datetime</i>	<i>Yes</i>	<i>CURRENT_TIMESTAMP</i>			
<i>InitiatedBy</i>	<i>varchar(255)</i>	<i>No</i>			<i>Editable</i>	
<i>isReceived</i>	<i>tinyint(1)</i>	<i>No</i>	<i>0</i>	<i>Do Not edit manually!</i>		
<i>DateReceived</i>	<i>datetime</i>	<i>No</i>	<i>CURRENT_TIMESTAMP</i>			
<i>invoice_attached</i>	<i>tinyint(1)</i>	<i>No</i>	<i>0</i>		<i>No edit</i>	
<i>pack_slip_attached</i>	<i>tinyint(1)</i>	<i>No</i>	<i>0</i>		<i>No edits</i>	
<i>SupplierID</i>	<i>int(11)</i>	<i>Yes</i>	<i>NULL</i>	<i>purchasing_Suppliers</i> -> <i>SupplierID</i>		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<i>PRIMARY</i>	<i>BTREE</i>	<i>Yes</i>	<i>No</i>	<i>Purchase_ID</i>	<i>0</i>	<i>A</i>	<i>No</i>	
<i>SupplierID</i>	<i>BTREE</i>	<i>No</i>	<i>No</i>	<i>SupplierID</i>	<i>0</i>	<i>A</i>	<i>Yes</i>	

- Many-to-Many relationship of purchase_history & items
- Multiplied out to find purchase totals

purchasing_purchases2items

Column	Type	Null	Default	Links to	Comments	MIME
<i>Purchase_ID</i>	<i>int(11)</i>	<i>No</i>		<i>purchasing_purchase_history</i> -> <i>Purchase_ID</i>		
<i>Item_ID</i>	<i>int(11)</i>	<i>No</i>		<i>purchasing_Items</i> -> <i>Item_ID</i>		
<i>QuantityOrdered</i>	<i>float</i>	<i>No</i>			<i>Editable</i>	
<i>PricePerUnit</i>	<i>double</i>	<i>No</i>			<i>U</i>	
<i>actualReceivedQuantity</i>	<i>float</i>	<i>No</i>	<i>0</i>		<i>Unused</i>	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<i>Purchase_ID</i>	<i>BTREE</i>	<i>No</i>	<i>No</i>	<i>Purchase_ID</i>	<i>0</i>	<i>A</i>	<i>No</i>	
<i>Item_ID</i>	<i>BTREE</i>	<i>No</i>	<i>No</i>	<i>Item_ID</i>	<i>0</i>	<i>A</i>	<i>No</i>	

quality_UserData

Column	Type	Null	Default	Links to	Comments	MIME
				<i>master_users</i> ->		

<i>UserName (Primary)</i>	<i>varchar(255)</i>	<i>No</i>		<i>username</i>		
<i>Role</i>	<i>enum('Weight', 'INS', 'QA')</i>	<i>No</i>				
<i>isSectionManager</i>	<i>tinyint(1)</i>	<i>No</i>	<i>0</i>		<i>Editable, used to access B-mall screen</i>	
<i>DateCreated</i>	<i>datetime</i>	<i>No</i>	<i>CURRENT_TIMESTAMP</i>		<i>FROM Quality packAPP</i>	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<i>PRIMARY</i>	<i>BTREE</i>	<i>Yes</i>	<i>No</i>	<i>UserName</i>	<i>19</i>	<i>A</i>	<i>No</i>	

*- Quantity tests up to 5 fruit from each run - can be pre-inspection
 - Appears on production with runs*

run_inspections

Column	Type	Null	Default	Links to	Comments	MIME
<i>RunID</i>	<i>int(11)</i>	<i>No</i>				
<i>Weight</i>	<i>double</i>	<i>No</i>				
<i>Pressure1</i>	<i>double</i>	<i>No</i>				
<i>Pressure2</i>	<i>double</i>	<i>No</i>				
<i>Brix</i>	<i>double</i>	<i>Yes</i>	<i>NULL</i>			
<i>Note</i>	<i>varchar(255)</i>	<i>No</i>				
<i>isPreInspection</i>	<i>tinyint(1)</i>	<i>No</i>				
<i>isPhotographed</i>	<i>tinyint(1)</i>	<i>No</i>			<i>Don't touch</i>	

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<i>RunID</i>	<i>BTREE</i>	<i>No</i>	<i>No</i>	<i>RunID</i>	<i>308</i>	<i>A</i>	<i>No</i>	

Connection for controluser as defined in your configuration failed.

Loading...

grower DB Notes
"grower-reporting"

BULKRTCSV *Don't exit, auto-updated every minute*

Column	Type	Null	Default	Links to	Comments	MIME
RT# (Primary)	varchar(255)	No				
Sort Code	varchar(255)	No				
Crop Year	varchar(255)	No				
Grower	varchar(255)	No				
GrowerName	varchar(255)	No				
Class	varchar(255)	No				
ClassDesc	varchar(255)	No				
Commodity	varchar(255)	No				
Comm Desc	varchar(255)	No				
Variety	varchar(255)	No				
VarDesc	varchar(255)	No				
Strain	varchar(255)	No				
StrDesc	varchar(255)	No				
Farm	varchar(255)	No				
FarmDesc	varchar(255)	No				
Block	varchar(255)	No				
BlockDesc	varchar(255)	No				
Lot	varchar(255)	No				
Date	date	No				
Pack (Primary)	varchar(255)	No				
Size	varchar(255)	No				
Qty	varchar(255)	No				
Bu	varchar(255)	No				
ItemNum	varchar(255)	No				

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	RT#	4507	A	No	
				Pack	4507	A	No	
Crop Year	BTREE	No	No	Crop Year	4	A	No	
Grower	BTREE	No	No	Grower	97	A	No	

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
GrowerName	BTREE	No	No	GrowerName	97	A	No	
VarDesc	BTREE	No	No	VarDesc	112	A	No	
StrDesc	BTREE	No	No	StrDesc	214	A	No	
FarmDesc	BTREE	No	No	FarmDesc	204	A	No	
BlockDesc	BTREE	No	No	BlockDesc	643	A	No	

Holds QA Summaries from Inspection Details Block_Recieving

Block_QA Updated once a minute, do not edit

Column	Type	Null	Default	Links to	Comments	MIME
Grower	varchar(4)	Yes	NULL			
Commodity	varchar(15)	Yes	NULL			
Farm	varchar(35)	Yes	NULL			
Block	varchar(35)	Yes	NULL			
Variety	varchar(35)	Yes	NULL			
Strain	varchar(35)	Yes	NULL			
Pressure1	decimal(5,3)	Yes	NULL			
Pressure2	decimal(4,2)	Yes	NULL			
Brix	decimal(4,2)	Yes	NULL			
DA	varchar(3)	Yes	NULL			
DA2	varchar(3)	Yes	NULL			
Count	int(3)	Yes	NULL			
Weight	decimal(3,2)	Yes	NULL			
Starch	varchar(3)	Yes	NULL			

CurYearReceived

View, do not edit

Table comments: VIEW

Column	Type	Null	Default	Links to	Comments	MIME
RT#	varchar(255)	No				
Sort Code	varchar(255)	No				
Crop Year	varchar(255)	No				
Grower	varchar(255)	No				
GrowerName	varchar(255)	No				
Class	varchar(255)	No				
ClassDesc	varchar(255)	No				

Commodity	varchar(255)	No						
Comm Desc	varchar(255)	No						
Variety	varchar(255)	No						
VarDesc	varchar(255)	No						
Strain	varchar(255)	No						
StrDesc	varchar(255)	No						
Farm	varchar(255)	No						
FarmDesc	varchar(255)	No						
Block	varchar(255)	No						
BlockDesc	varchar(255)	No						
Lot	varchar(255)	No						
Date	date	No						
Pack	varchar(255)	No						
Size	varchar(255)	No						
Qty	varchar(255)	No						
Bu	varchar(255)	No						
ItemNum	varchar(255)	No						

Primary grower list
-passwords not actually stored here

GrowerData

Column	Type	Null	Default	Links to	Comments	MIME
GrowerCode <i>(Primary)</i>	varchar(10)	No				
GrowerName	varchar(255)	No				
Password	varchar(255)	Yes	NULL			
isAdmin	tinyint(1)	No				
isMultiAccountUser	tinyint(1)	No				

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	GrowerCode	53	A	No	

-If isMultiAccountUser is enabled on all accounts,
listing them here under the same GroupID will enable
account switching
-Inserts welcome but most have MultiAccountUser enabled

Column	Type	Null	Default	Links to	Comments	MIME
PK <i>(Primary)</i>	int(11)	No				
GroupID	int(11)	No				

GrowerCode	varchar(2)	No						
------------	------------	----	--	--	--	--	--	--

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	PK	12	A	No	

-Stores all pre-harvest info for growers

Preharvest_Samples

Column	Type	Null	Default	Links to	Comments	MIME
Grower	varchar(4)	No				
PK (Primary)	int(11)	No				
Retain	tinyint(1)	No				
SampleNum (Primary)	tinyint(4)	No				
Pressure1	varchar(6)	No				
Pressure2	varchar(6)	No				
Brix	varchar(4)	Yes	NULL			
Weight	varchar(5)	No				
Starch	tinyint(4)	Yes	NULL			
DA	varchar(4)	No				
DA2	varchar(4)	No				
Date (Primary)	timestamp	No	CURRENT_TIMESTAMP			
Inspector	varchar(100)	No				
Notes	varchar(255)	No				
isStarchInspected	tinyint(1)	No			Dont touch	
NumSamples	tinyint(11)	No				
DAAverage	varchar(255)	Yes	NULL			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	PK	285	A	No	
				SampleNum	1715	A	No	
				Date	1715	A	No	
Grower	BTREE	No	No	Grower	63	A	No	

ReceivedandEstimates

View for CSV, don't touch

Table comments: VIEW

Column	Type	Null	Default	Links to	Comments	MIME
BlockID	varchar(15)	No				
Code	varchar(255)	No				
Commodity	varchar(255)	No				
Farm	varchar(255)	No				
FarmCode	varchar(255)	No				
Block	varchar(255)	No				
BlockCode	varchar(255)	No				
Variety	varchar(255)	No				
Strain	varchar(255)	No				
2013 Received	varchar(11)	No				
2014 Received	varchar(11)	No				
2015 Received	varchar(11)	No				
2016 Hail Percent	varchar(11)	No				
2016 Estimate	varchar(11)	No				
2016 Received	varbinary(53)	Yes	NULL			
isDeletedBlock	varchar(5)	No				
isDonePicking	varchar(5)	No				
isUserConfirmedEstimate	varchar(5)	No				

*- Main table lists all blocks
 - Comes with bulk RT for receiving info in view
 - New columns added automatically
 - Avails edits*

crop-estimates

Column	Type	Null	Default	Links to	Comments	MIME
PK (Primary)	int(11)	No				
Grower	varchar(255)	No				
Comm Desc	varchar(255)	No				
VarDesc	varchar(255)	No				
FarmDesc	varchar(255)	No				
BlockDesc	varchar(255)	No				
Str Desc	varchar(255)	No				
isDeleted	tinyint(1)	No				
isSameAsLastYear	tinyint(1)	No				
isFinished	tinyint(1)	No				

2010act	int(11)	No							
2011act	int(11)	No							
2012act	int(11)	No							
2013act	int(11)	No							
2014est	int(11)	No							
2014act	int(11)	No							
2015est	int(11)	No							
2015act	int(11)	No							
2016est	int(11)	No							
2016hail	int(11)	No							

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	PK	923	A	No	
Grower	BTREE	No	No	Grower	92	A	No	

- Each row is calendar event
- All editable, no normalization or referencing here except PK
growerCalendar

Column	Type	Null	Default	Links to	Comments	MIME
ID (Primary)	int(11)	No				
Grower	varchar(255)	No				
Variety	varchar(255)	No				
Strain	varchar(255)	No				
Start	date	No				
EndDate	date	Yes	NULL			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	ID	3	A	No	
Grower	BTREE	No	No	Grower	3	A	No	

Connection for controluser as defined in your configuration failed.