Production Database (Ver 2, June 2014)

uom

UOMID
UnitName
BaseUnit
xFactor
UOMFlags

UOMtFlags

0x01 = Base Unit (M,KG,Litre,Ea)
0x02 = Active Unit of Measure
0x04 = User Created/Ad-hoc UOM

bom (Bill of Materials)

BOMID
BOMUOM
Qty (in productuom)
DefJobInstructions
ListOrder
ReportRef (*labels*)
FinishedProductRef IngredientRef

This is the recipe list for each finished or semi-finished product.

Ingredient qtys MUST make 1 Qty Unit of finished product as these are the qtys that will be deducted from stock when 1 unit of finished product is made

reports (and macros)

ReportID
ReportTitle
ReportArea
ReportFlags
Permissions
ReportCount
LastRun
QuerySQL
ReportLayout

ReportFlags
0x01 = Active
0x02 = Tested

mobile (device list)

UID
ProgramRef
IPAddress
AssignedUser
FormNo
JobID
AssetID
SessionLog

Note the mobile table is optional and only used if hand-held or touch-screen devices are used for production/receival/dispatch

If no records exist then do not show any mobile options in desktop program.

AccountFlags

0x01 = Active
0x02 = Refrigerated Location
0x04 = Licenced (MAF)

System Accounts
AccountID = 0 = <Please Set>
AccountID = 1 = <Quarantine>

account

AccountName
AccountType
AccountFlags
Phone
InvoiceCode
Address1
Address2
City
Email
Country (New)
MAFRego

AccountType (bits – 0 = System account)

0x01 = Customer
0x02 = Grower
0x04 = Supplier
0x08 = Transport company (added R3)
0x10 = Depot (external stock loc)
0x20 = Internal Stock Location

AccountID

products

ProductUOM
ProductID
ProductName
ProductClass
ProductGroup
ProductFlags
Cost
EAN
WeightKg
Comment
DeliveryDays
MinOrderQty
Warnings
LotCodeTemplates
ChangeLog

ProductFlags

0x01 = Active
0x02 = Line Item generic + requires substantiating txt
0x04 = Product Changes Locked to Administrator

ProductClass

0 = Raw Material (Additives) – Lotcode!
1 = Raw Material (Wet lots) – LotCode!
2 = Raw Material (Packaging) – LotCode!
3 = Raw Material (Production Aids)
4 = Other Product (Charges and Non-Stock Items)
5 = Waste Type (weed broken, etc)
6 = Semi-Finished (Non-Saleable)
7 = Finished Product
8 = Misc Selable Service or Adhoc Chrge

0, 1, 6 & 7 Must have lotcodes and expiry set

Template Format (only upper case lot codes accepted!)
<Min Length>,<MaxLength>,<Format>
Format:
  # Any numeric [0..9] (optional exist)
  0 Fixed Numeric [0..9] (must exist)
  * Any alphanumeric [0..9, A..Z]
  - Fixed Alpha-numeric [0..9, A..Z]
(Any other char is a literal!)
Can be SQL eg "=CONCAT("NZ-0000-",MovementID)"

Movement records fullfill dispatch and receival line items and also internal stock movements.

movements

MvtUOM

→ **UOMID**

StockLocnRef AccountFrom
MvtItemRef
ProductRef
JobRef
MvtType
MvtFlags
EstQty
ActualQty
LotCode (*LotNo*)
Comment
MvtLog
CreationDate
CompletionDate
TransportRego
ConsignmentNo
ReversalMvtRef
CreatedBy
CompletedBy
PlantRef
MovementID

MvtFlags

0x01 = Qty weighed
0x02 =
0x04 =

MvtType (Gain Qty is +Ve, Loss Qty is -Ve)

0 = Movement with no loss or gain
10 = Gain through receival (movement into stock Qty is +Ve)
11 = Gain through movement from another stock loc (Qty is +Ve)
12 = Gain through manual adjustment
13 = Gain from production
20 = Loss through Dispatch (movement out of stock Qty is -Ve)
21 = Loss through movement to another stock loc (Qty is -Ve)
22 = Loss through manual adjustment
23 = Loss fromproduction

jobs

JobID
JobType
JobStatus
JobFlags
JobInstructions
DateTimeIssued
DateTimeCompleted
JobLog
InvoiceNo
InvoiceDate
IssuedByRef SignedOffByRef

JobType

1. Receive
2. Build Finished Stock
3. Dispatch
4. Other

JobStatus

10 = Draft
20 = Issued
30 = In-Progree
40 = Waiting Signoff
90 - Complete

bags

BagMvtRef
BagID
FarmNo
WeightKg
HarvestDate

Automatically created Reversal stock movement created on from stock location to balance transaction. One or more of these may be created at the end of any movement. ReverseMvtRef set to the ID of the movement it is balancing.

lineitems (weighbridge))

OrderRef
ProductItemRef
QtyUOM
ItemStatus
ItemFlags
OrderQty
DeliveryQty
CostEa
GSTRate

→ **UOMID**

LineItem Status

10 = Draft
20 = Processing
90 = Complete

LineItemID
TransportRef
Instructions
Log
StartDate
CompletionDate
DeliveryDate
DeliveryContact
DeliveryMethod

assets

AssetID
AssetName
AssetCode (login)
AssettType
AssetFlags
AssetStatus
PIN (or RFID No)
InfoStr
DateStart
DateEnd
AuthP
AuthS

AssetType

E=Employee
F=Fixed Plant
M=Mobile Plant
S=Stillage

AssetStatus

0 = Disabled
1 = Quarantined
2 = Active

AssetFlags (bits)

0x01 = System Administrator
0x02 = Purchasing / General Office
0x04 = Sales
0x08 = Accounts
0x10 = Production Manager
0x20 = Production Supervisor
0x40 = Storeman

(Sales AND Purchase)

orders

AccountRef
OrderID
OrderDate
OrderStatus
OrderFlags
OrderText
OrderContact
CustPONum
OrderType (S/P)
TotalInvoiced
CurrencyUnit
DeliveryAddr
InvoiceAddress
OrderLog
ApprovedAmt
RaisedBy ApprovedBy

OrderStatus

5   = Auto-Creation in progress
10 = Draft
20 = Raised
30 = Approved to buy/produce
40 = In Production / Waiting Delivery
50 = Partially Delivered
60 = Fully Dispatched/Received
80 = Cancelled
90 = Completed and Invoiced

OrderFlags

0x01 = Approved
0x02 =
0x04 = InvoiceAddr == DeliveryAddr