

Plant Production System

Testing and Implementation

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Arnelia Farms



Overview

1. How the need developed for a nursery management tool
2. Existing programs
3. Who to approach
4. PPS Overview



How the need developed for a nursery management tool

-  150 different varieties
- each variety has its own nutritional and management requirements
- keeping track of these tasks
- additional tasks: weeding, growth regulating and spacing
- everything was managed with the use of Excel
- knowledge of personnel
- ever expanding nursery



Excel...

1409eb Propagation 2014-2015 - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW ADD-INS

Clipboard Font Alignment Number Styles Cells Editing

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL		
Genus	Cultivar/Specie	Propagation form	Location Year 1	Location Year 2	ISA (ppm)	Dip tyd (sek)	Container	Position to set	Cutting length	Number set per hour per person	Trays to set per hour	Number of cuttings to set	Actual number of cuttings	Total number of trays to set	Trays still to set	Date	Trays to set for the day	Propagator	Week 1	Date 1	Amount set 1	Trays Set 1	Location 1	Year 1	Propagator or 1	Moved to shade house	Week 2	Date 2	Amount set 2	Trays Set 2	Location 2	Year 2	Propagator or 2	Moved to shade house	Week 3	Date 3	Amount set 3		
1	Protea	Brenda	Cutting	11	3	4000	5	6cm Jiffy	12,3	10cm	85	2,2	850	819	22	1	26-Mar	20		8	19-Feb	1482	33,0				35	49	02-Dec	380	0	A2	1-2	Alicia		7	10-Feb	228	
2	Protea	Cardinal	Cutting	11	3	4000	5	6cm Jiffy	12,3	10cm	85	2,2	2000	354	53	-30				8	18-Feb	3164	83,0	A9/B6	1	Alicia	35	24	16-Jan	456	12	A8	Anneline		13	06-Nov	177		
3	Protea	Carnival	Cutting	3	3	4000	5	6cm Jiffy	12,3	10cm	85	2,2	333	955	22	-2	23-Jan	20		8	19-Feb	1330	35,0	A7/B26	1	Alicia	35	2	09-Jan	494	0	A1	1-2	Alicia	35	5	30-Jan	190	
4	Protea	Cream Mink	Cutting	3	3	4000	5	6cm Jiffy	12,3	10cm	85	2,2	1000	1330	26	-9				50	11-Dec	1232	34,0	B13/15	Giel	Julie	35	0		0									
5	Protea	Empress	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	966	889	28	5	06-Jan	20			51	07-Dec	532	14,0	B6	1-2	Alicia	3	13-Jan	174	5	A1	1	Alicia	25	7	10-Feb	183			
6	Protea	Julia	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	1180	3258	294	23	29-Jan	20	Alicia		41	06-Oct	553	14,6	A1	1-2	Alicia	44	31-Oct	365	10	A1	1	Alicia	45	06-Nov	177				
7	Protea	Juliet	Cutting	11	3	4000	5	6cm Jiffy	12,3	10cm	85	2,2	6940	7011	183	-2	29-Jan	20	Alicia	41	07-Oct	291	7,7	A3	2	Alicia	45	31-Oct	570	15	A3	1-2	Alicia	51	15-Dec	157			
8	Protea	King White	Cutting	5	3	4000	5	6cm Jiffy	12,3	10cm	85	2,2	9000	1879	26	-23				50	11-Dec	1654	43,5	B4/5	Giel	Alicia	32	51	19-Dec	225	6	B6	Giel	Alicia	45	8	04-Feb	320	
9	Protea	Lady	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	1000	1424	34	-3				49	05-Dec	862	22,7	B5-18	Giel	Alicia	50	12-Dec	242	6	B6	Giel	Carmen	3	15-Jan	304					
10	Protea	Lady Yasmine	Cutting	11	3	4000	5	6cm Jiffy	12,3	10cm	85	2,2	1625	1638	44	0	06-Jan	20		49	05-Dec	862	22,7	B5-18	Giel	Alicia	50	12-Dec	242	6	B6	Giel	Carmen	3	15-Jan	304			
11	Protea	Limelight	Cutting	11	3	4000	5	6cm Jiffy	12,3	10cm	85	2,2	954	1398	40	3	26-Mar	20		49	02-Dec	714	18,8	A2	1-2	Alicia	12	01	19-Jan	456	12	A1	1	Alicia	21	5	30-Jan	114	
12	Protea	Little Lady Candy	Cutting	11	3	4000	5	6cm Jiffy	12,3	10cm	85	2,2	1646	380	43	33	01-Dec	20		49	02-Dec	380	10,0	A2	1-2	Alicia	45	30-Oct	674	23	A5	1	Rochelle	Land	Zandria	45	12-Nov	1672	
13	Protea	Little Lady White	Cutting	11	3	4000	5	6cm Jiffy	12,3	10cm	85	2,2	1646	380	43	33	01-Dec	20		49	02-Dec	380	10,0	A2	1-2	Alicia	45	30-Oct	674	23	A5	1	Rochelle	Land	Zandria	45	12-Nov	1672	
14	Protea	Little Prince	Cutting	12		4000	5	6cm Jiffy	12,3	10cm	85	2,2	1857	3019	214	77	29-Jan	20	Alicia	41	08-Oct	741	19,5	A5	Alicia	4	20-Jan	1054	28	A12-B10	1	Alicia	21	4	04-Dec	118			
15	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
16	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
17	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
18	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
19	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
20	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
21	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
22	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
23	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
24	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
25	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
26	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
27	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
28	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
29	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
30	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
31	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
32	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
33	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
34	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
35	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
36	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
37	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
38	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
39	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
40	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
41	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	760	20	A2/2/4	1-2	Alicia	45	21-Jan	315			
42	Protea	Madiba	Cutting	4000	5	6cm Jiffy	12,3	10cm	85	2,2	7021	7386	895	-10	01-Dec	20			49	02-Dec	2760	72,4	B14	Land	Zandria	50	50	09-Dec	7										

Existing programs

Protaflora

“SharePoint which is a Microsoft licenced system which stores information and alerts us to key critical times”

PAT Horticulture

PAT, a product of Concept Data Systems, is leading planning and business management for horticulture

Multinational trade and production companies with a wide product range, but also smaller specialist firms in potted plants, young plants, cuttings and seed, run their entire business with one integrated solution

All major business processes are covered, such as sales, purchasing, production, inventory, distribution and billing

- An impression of the possibilities:
- **Master data management**
 - ✓ Companies
 - ✓ Locations
 - ✓ Varieties
 - ✓ Cultivation schedules
 - ✓ Customers
 - ✓ Suppliers
 - ✓ Countries and currency
 - ✓ Multiple languages
 - ✓ Etc.
 - **Authorization/user management**
 - **Customer relation management**
 - **Sales**
 - ✓ Order management
 - ✓ Order control system
 - ✓ Automatic ordering and planning companies
 - ✓ Controls Suppliers availability
 - ✓ Pricing system
 - ✓ Etc.
 - **Purchase**
 - ✓ Purchase planning
 - ✓ Ordering PO
 - ✓ Delivery - receivables
 - ✓ Etc.
 - **Production**
 - ✓ Planning
 - ✓ Sowing, sticking, potting
 - ✓ Transplanting
 - ✓ Gapping up
 - ✓ Activity planning and registration
 - ✓ Quality
 - ✓ Location management
 - ✓ Mother plants
 - ✓ Tracking & tracing
 - ✓ Etc.
 - **Stock management**
 - ✓ Shortages-surplus overviews
 - ✓ Warehouse management
 - ✓ Availability (configurable)
 - ✓ Etc.
 - **Distribution**
 - ✓ Shipment planning
 - ✓ Freight list
 - ✓ Pre inform customer
 - ✓ Packaging
 - ✓ Container loading planning
 - ✓ Empties management
 - ✓ Export documents
 - ✓ Tracking & tracing
 - ✓ Etc.
 - **Invoicing**
 - ✓ Planning invoicing
 - ✓ Creating and managing invoices
 - ✓ Credits
 - ✓ Link to accounting software
 - ✓ Reminders for payment
 - ✓ Etc.
 - **Licence calculation**
 - **Sales rep commission**
 - **Reclamation module**
 - **Interfaces**
 - ✓ Logistic systems
 - ✓ Production systems
 - ✓ Etc.
 - **Tracking & tracing with scanners**
 - **Tracing (Connect batches to orders without scanning)**
 - **Monitoring and control**
 - **Management information and statistics**

Existing programs

- most systems available are aimed at short term nursery crops
 1. Sow seed / set cuttings
 2. after # weeks - transplanting or potting
 3. another # weeks - potting
 4. sales ready within a couple of months
- in our nursery plants are grown for 12 to 18 months
- different ages of plants of the same variety for different sales periods at the same time in the nursery



Who to approach ?

After unsuccessfully searching for appropriate industry software...

IT friend at ColorsFruit – Fruit export company

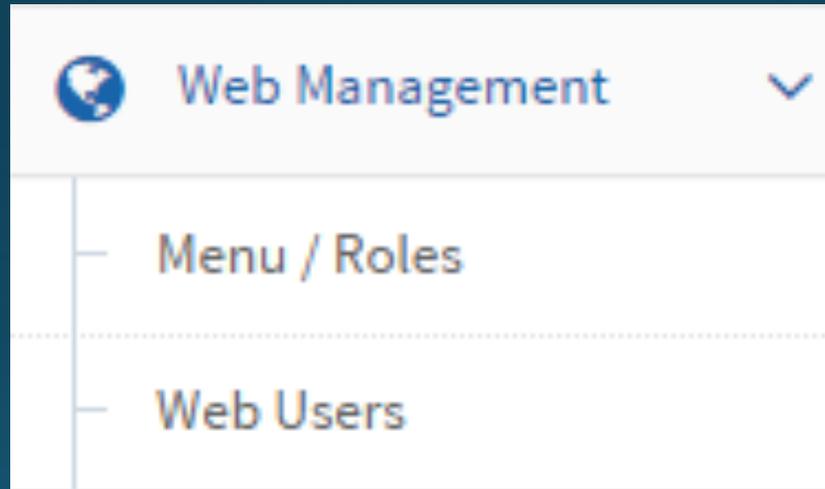
Referred me to Dipar Systems

May 2013 😊



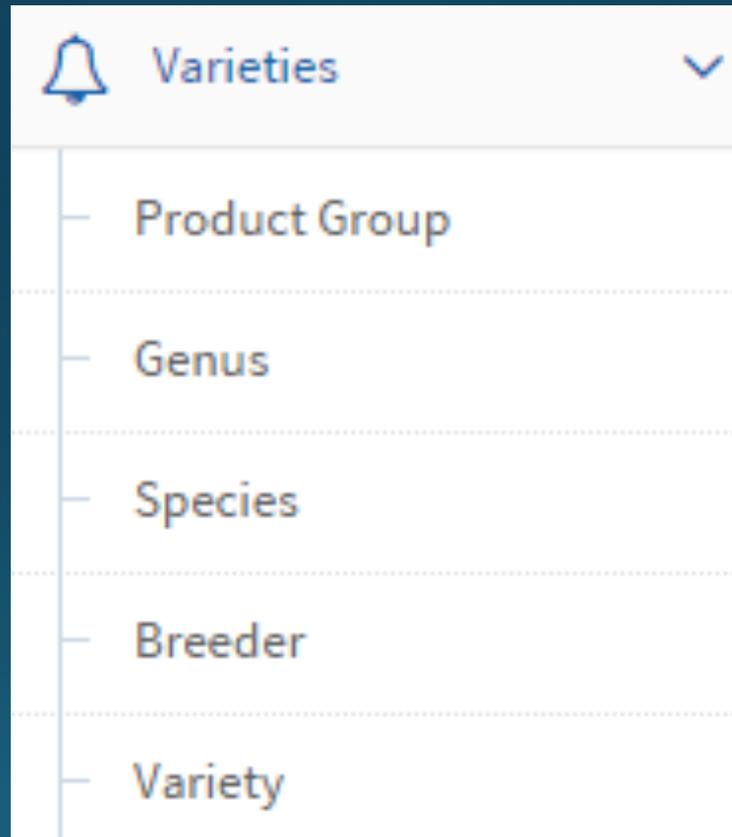
Master or background files

Web management



Master or background files

Varieties

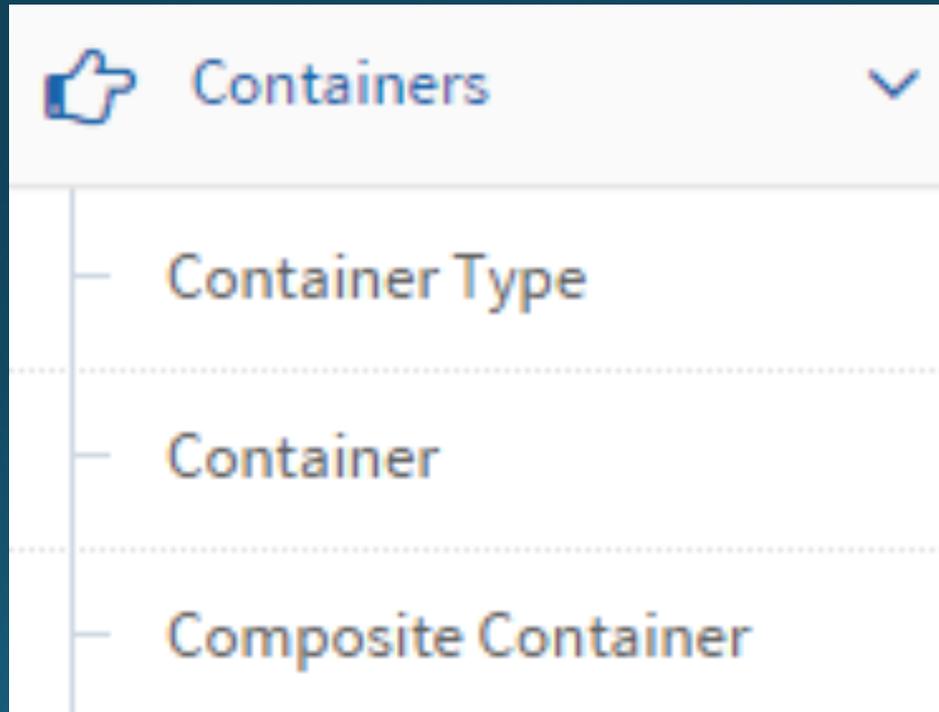


A screenshot of a mobile application interface. At the top, there is a header bar with a blue bell icon on the left, the text 'Varieties' in the center, and a blue downward-pointing chevron icon on the right. Below the header bar is a list of five menu items, each preceded by a horizontal line. The items are: 'Product Group', 'Genus', 'Species', 'Breeder', and 'Variety'. The list is separated by horizontal dashed lines.

Item
Product Group
Genus
Species
Breeder
Variety

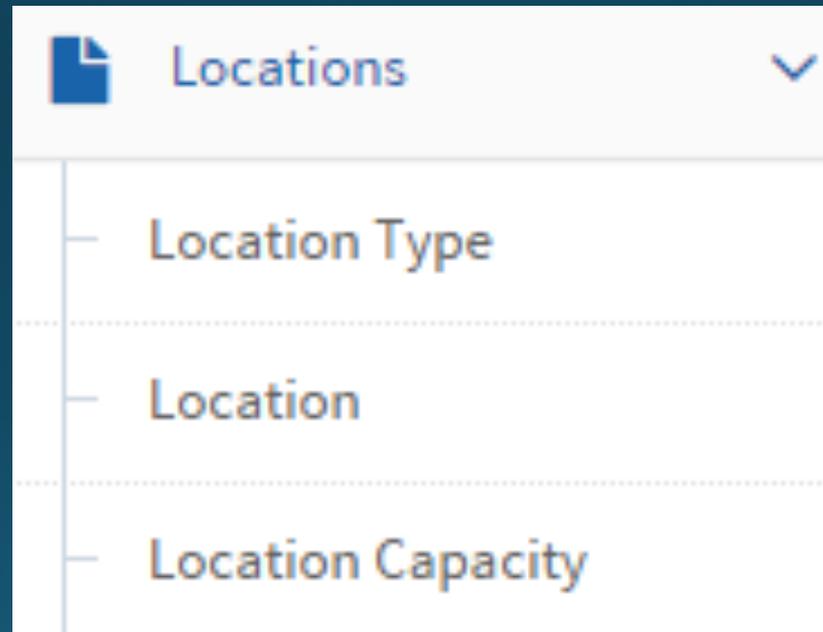
Master or background files

Containers



Master or background files

Locations

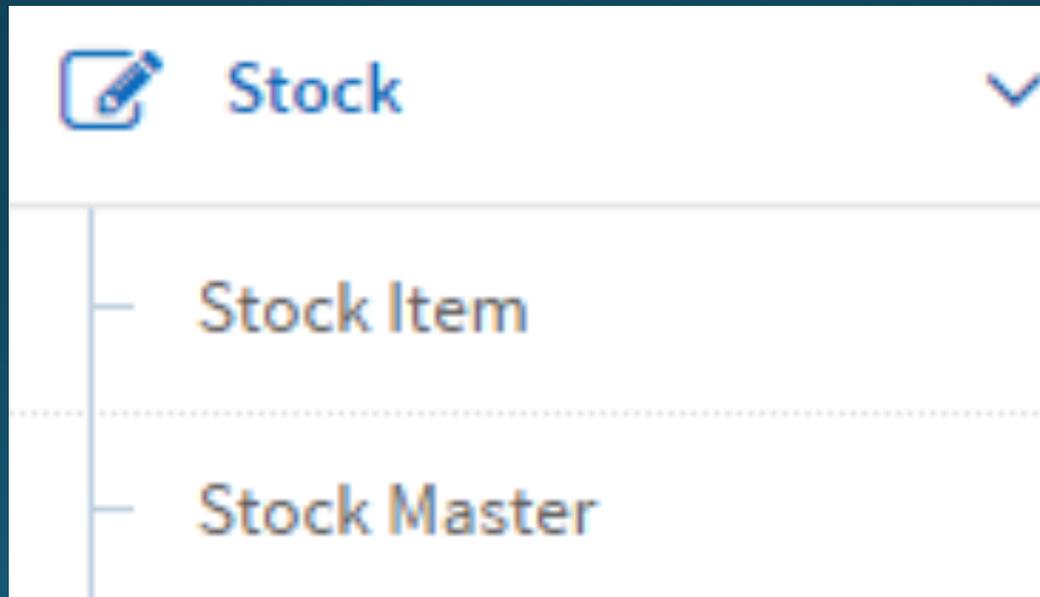


The image shows a document titled "Locations" with a table of contents. The document has a white background and a blue header bar. The table of contents is located in the middle of the page and consists of three entries: "Location Type", "Location", and "Location Capacity". Each entry is preceded by a horizontal line and a small blue square icon. The text is in a dark blue font.

—	Location Type
—	Location
—	Location Capacity

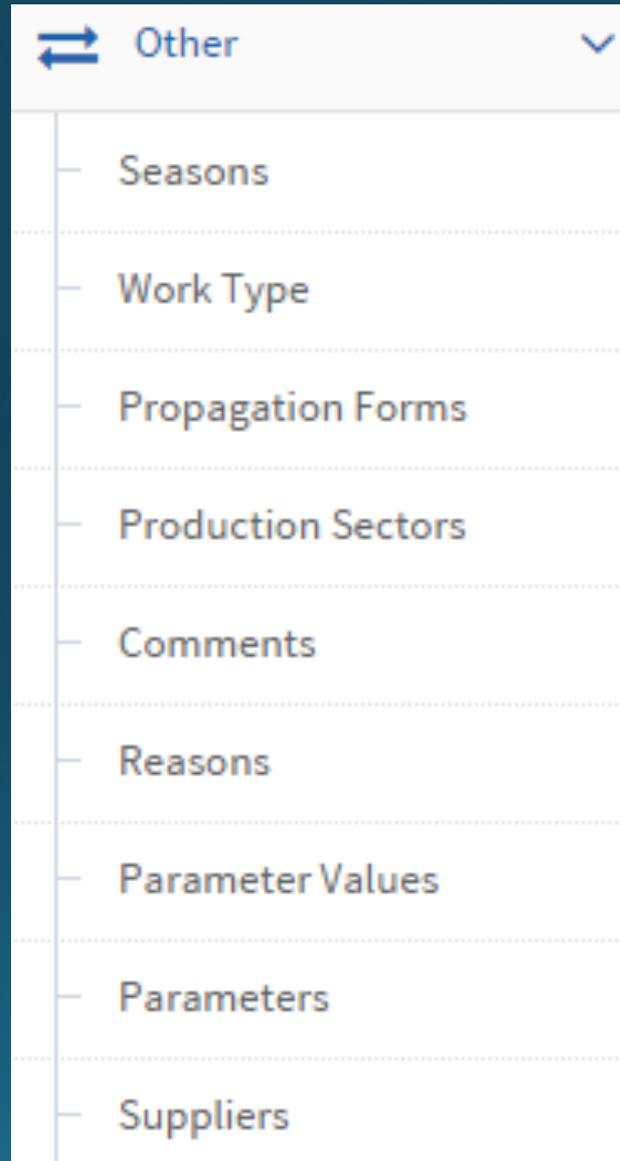
Master or background files

Stock



Master or background files

Other

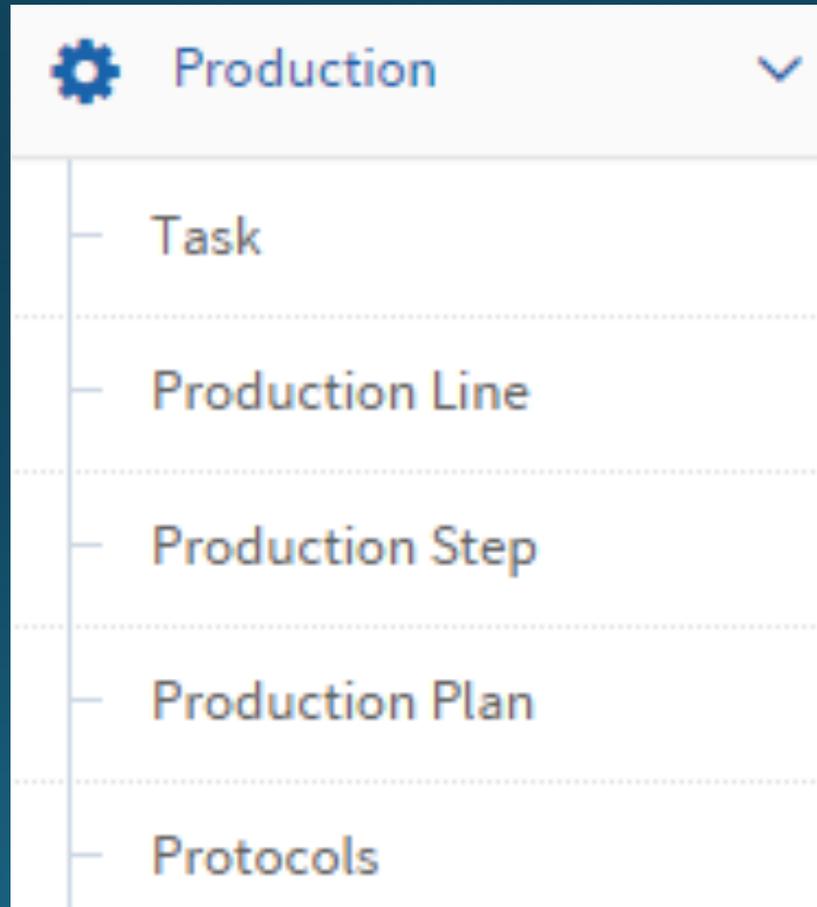


The screenshot shows a software interface with a header bar containing a double-headed arrow icon, the text 'Other', and a downward-pointing chevron icon. Below the header is a list of ten items, each preceded by a horizontal line. The items are: Seasons, Work Type, Propagation Forms, Production Sectors, Comments, Reasons, Parameter Values, Parameters, and Suppliers.

Other
Seasons
Work Type
Propagation Forms
Production Sectors
Comments
Reasons
Parameter Values
Parameters
Suppliers

Production – heart of the system

Production



Production – heart of the system

 Production

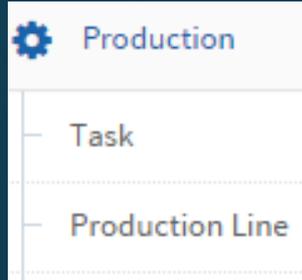
Task

Task Add, Update & Delete

Task	Task Description	Work Type	Group Task	Parent Task	Group Sequence	Additional Notes	Active
Select Filter ▾		Select Filter ▾	<input checked="" type="checkbox"/>	Select Filter ▾			<input checked="" type="checkbox"/>
CUTTING PROPAGATION	CUTTING PROPAGATION	PROPAGATION	<input checked="" type="checkbox"/>		0		<input checked="" type="checkbox"/>
HARVEST MS	HARVEST MS	PROPAGATION	<input type="checkbox"/>	CUTTING PROPAGATION	1		<input checked="" type="checkbox"/>
PREPARE CUTTING	PREPARE CUTTING	PROPAGATION	<input type="checkbox"/>	CUTTING PROPAGATION	2		<input checked="" type="checkbox"/>
SET CUTTING	SET CUTTING	PROPAGATION	<input type="checkbox"/>	CUTTING PROPAGATION	3		<input checked="" type="checkbox"/>
GRAFT	GRAFT	PROPAGATION	<input checked="" type="checkbox"/>		0		<input checked="" type="checkbox"/>
HARVEST SCION	HARVEST SCION	PROPAGATION	<input type="checkbox"/>	GRAFT	1		<input checked="" type="checkbox"/>
ROOTSTOCK LOCATION	COLLECT/HARVEST RS	PROPAGATION	<input type="checkbox"/>	GRAFT	2		<input checked="" type="checkbox"/>

Go to page: Show rows: 1-16 of 16

Production – heart of the system



Production Line Add, Update & Delete

Genus: Propagation Form: Variety: Protocol:

Variety	Protocol	Propagation Form	Propagation Group	Production Line Description	Rooting Weeks	Rooting Percentage	Initial Location	Add
<input type="text" value="Select Filter"/>	<input type="text" value="Select Filter"/>	<input type="text" value="Select Filter"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
BRENDA	15 SALES	CUTTING	2	P BRENDA-15-POT-MAR	12	60.00		
CARDINAL	15 SALES	CUTTING	2	P CARDINAL-15-POT-MAR	12	75.00		
CARNIVAL	15 SALES	CUTTING	2	P CARNIVAL-15-POT MAR	12	70.00		
CREAM MINK	15 SALES	CUTTING	2	P CREAM M-15-POT MAR	12	75.00		
JULIET	15 SALES	CUTTING	2	P JULIET-15-POT MAR	12	76.00		
KING PINK	15 SALES	CUTTING	2	P KING P-15-POT MAR	12	75.00		
KING WHITE	15 SALES	CUTTING	2	P KING W-15-POT MAR	12	75.00		
LIMELIGHT	15 SALES	CUTTING	1	PROTEA LIMELIGHT 15 SALES JAN	12	75.00		
LITTLE LADY CANDY	15 SALES	CUTTING	2	P LL CANDY-15-POT MAR	12	75.00		

-  Production
- Task
- Production Line
- Production Step

Production – heart of the system

Production Step Add, Update & Delete

Filter By: Production Sector: **PROP - PROPAGATION** | Production Line: **LEUCADENDRON AFRICA** | Task: **Do Not Filter...** | Input Stock: **Do Not Filter...** | Output Stock: **Do Not Filter...** | **Filter** | **Show All** | **Clear Filters**

Production Sector	Production Line	Task	Year No	Step Sequence	From Week	To Week	Input Stock	Output Stock	Additional Notes	Active
Select Filter	Select Filter	Select Filter					Select Filter	Select Filter		<input type="checkbox"/>
PROP	LEUCADENDRON AFRICAN GOLD 15 SALES JAN	CUTTING PROPAGATION	1	0	40	40	AFRICAN GOLD - 4CM JIFFY	AFRICAN GOLD - 4CM JIFFY		<input checked="" type="checkbox"/>

Go to page: Show rows: 1-1 of 1

Task Parameters

Task	Parameter	Parameter Value	Parameter Desc
MS SOURCE	ms SOURCE	OWN MS	OWN MS
PREPARE CUTTING	CUTTING LENGTH	10 CM	10 CM
PREPARE CUTTING	IBA CONCENTRATION	4000 PPM	RED
PREPARE CUTTING	Dip time	5s	5S
SET CUTTING	jiffy size	4CM JIFFY	4CM JIFFY

-  Production
- Task
- Production Line
- Production Step
- Production Plan

Production – heart of the system

Production Plan Add, Update & Delete

Production Line:
 Sales Season:
 Propagation Season:

Production Line	Sales Season	Propagation Season	Sales Quant...	Set Quantity	Additional Notes	Active
Select Filter	Select Filter	Select Filter	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
P BRENDA-15-POT-MAR	2017	2016	500	300		<input checked="" type="checkbox"/>
P CARDINAL-15-POT-MAR	2017	2016	187	140		<input checked="" type="checkbox"/>
P CARNIVAL-15-POT MAR	2017	2016	500	350		<input checked="" type="checkbox"/>
P CREAM M-15-POT MAR	2017	2016	182	136		<input checked="" type="checkbox"/>
P JULIET-15-POT MAR	2017	2016	161	122		<input checked="" type="checkbox"/>
P KING P-15-POT MAR	2017	2016	1607	1205		<input checked="" type="checkbox"/>
P KING W-15-POT MAR	2017	2016	1554	1166		<input checked="" type="checkbox"/>
PROTEA LIMELIGHT 15 SALES JAN	2017	2016	172	129		<input checked="" type="checkbox"/>
P LL CANDY-15-POT MAR	2017	2016	301	226		<input checked="" type="checkbox"/>

Go to page: Show rows: 1-20 of 269

Production – heart of the system

- Production
- Task
- Production Line
- Production Step
- Production Plan
- Protocols

Protocol Add, Update & Delete

Protocol	Protocol Code	Additional Notes	Active
Select Filter ▼			<input type="checkbox"/>
15 SALES	P15		<input checked="" type="checkbox"/>
20 SALES	P20		<input checked="" type="checkbox"/>
MOTHERSTOCK	MS		<input checked="" type="checkbox"/>
GRAFT	GRFT		<input checked="" type="checkbox"/>
CUTTING POT PLANTS	CUTP		<input checked="" type="checkbox"/>
ROOTSTOCK	RS		<input checked="" type="checkbox"/>
CUTTING ORDER	CUTO		<input checked="" type="checkbox"/>
12 SALES	P12		<input checked="" type="checkbox"/>

Add Update Delete Reload Resize Columns Remove Filter

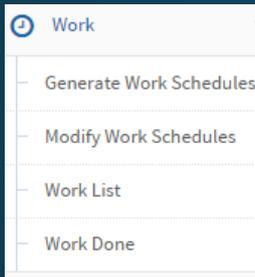
Go to page: 1 Show rows: 20 ▼ 1-8 of 8 ◀ ▶

Work – operational part of system

Work

 Work 
— Generate Work Schedules
— Modify Work Schedules
— Work List
— Work Done

Work – operational part of system



Generate Work Schedule Add, Update & Delete

From Week: To Week:

Production Sector	Task	Production Line	Sales Season	Prop Qty	Sales Qty	Input Stock	Location	Unspecified Location	Stock Qty	Task Qty
<input type="text" value="Select Filter"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="Select Filter"/>	<input type="text" value="Select Filter"/>	<input type="text"/>	<input type="text"/>			
PROP	CUTTING PROPAGA...	P CARDINAL-15-PO...	2016	750	1000	CARDINAL 6CM JIFFY	GH BAY A TABLE 01		0	0
PROP	CUTTING PROPAGA...	P CREAM M-15-POT...	2016	750	1000	CREAM MINK 6CM JI...	GH BAY A TABLE 01		0	0
PROP	CUTTING PROPAGA...	P JULIET-15-POT M...	2016	760	1000	JULIET 6CM JIFFY	GH BAY A TABLE 01		0	0
PROP	CUTTING PROPAGA...	P KING P-15-POT M...	2017	1205	1607	KING PINK 6CM JIFFY	GREENHOUSE		0	0
PROP	CUTTING PROPAGA...	P BRENDA-15-POT-...	2017	300	500	BRENDA 6CM JIFFY	GREENHOUSE		0	0
PROP	CUTTING PROPAGA...	P CARNIVAL-15-PO...	2017	350	500	CARNIVAL 6CM JIFFY...	GREENHOUSE		0	0
PROP	CUTTING PROPAGA...	P KING W-15-POT ...	2017	1166	1554	KING WHITE 6CM JI...	GREENHOUSE		0	0
PROP	CUTTING PROPAGA...	PROTEA LIMELIGHT...	2017	129	172	LIMELIGHT 6CM JIFF...	GREENHOUSE		0	0
PROP	CUTTING PROPAGA...	P LL CANDY-15-POT...	2017	226	301	LITTLE LADY CANDY ...	GREENHOUSE		0	0
PROP	CUTTING PROPAGA...	P LITTLE P-15-POT ...	2017	2698	3066	LITTLE PRINCE 6CM ...	GREENHOUSE		0	0

Go to page: Show rows: 1-20 of 310

Work – operational part of system

- Work
- Generate Work Schedules
- Modify Work Schedules
- Work List
- Work Done

Modify Work Schedules Add, Update & Delete

From Week:
 To Week:
 Genus:
 Production Sector:

Production Sector	Task	Production Line	Sales Season	Prop Qty	Sales Qty	Input Stock	Location	Unspecified Location	Stock Qty	Task Qty
<input type="text" value="Select Filter"/>	<input type="text" value="Select Filter"/>	<input type="text" value="Select Filter"/>				<input type="text"/>			<input type="text"/>	
PROP	CUTTING PROPAGA...	P CARDINAL-15-PO...	2016	750	1000	CARDINAL 6CM JIFFY	GH BAY A TABLE 01		0	0
PROP	CUTTING PROPAGA...	P CREAM M-15-POT...	2016	750	1000	CREAM MINK 6CM JI...	GH BAY A TABLE 01		0	0
PROP	CUTTING PROPAGA...	P JULIET-15-POT M...	2016	760	1000	JULIET 6CM JIFFY	GH BAY A TABLE 01		0	0
PROP	CUTTING PROPAGA...	P KING P-15-POT M...	2017	1205	1607	KING PINK 6CM JIFFY	GREENHOUSE		0	0
PROP	CUTTING PROPAGA...	P BRENDA-15-POT-...	2017	300	500	BRENDA 6CM JIFFY	GREENHOUSE		0	0
PROP	CUTTING PROPAGA...	P CARNIVAL-15-PO...	2017	350	500	CARNIVAL 6CM JIFFY...	GREENHOUSE		0	0
PROP	CUTTING PROPAGA...	P KING W-15-POT ...	2017	1166	1554	KING WHITE 6CM JI...	GREENHOUSE		0	0
PROP	CUTTING PROPAGA...	PROTEA LIMELIGHT...	2017	129	172	LIMELIGHT 6CM JIFF...	GREENHOUSE		0	0
PROP	CUTTING PROPAGA...	P LL CANDY-15-POT...	2017	226	301	LITTLE LADY CANDY ...	GREENHOUSE		0	0
PROP	CUTTING PROPAGA...	P LITTLE P-15-POT ...	2017	2698	3066	LITTLE PRINCE 6CM ...	GREENHOUSE		0	0

Work – operational part of system

Work List Assign Tasks

Task Allocation Options

Week

201540 ✕

Task Level

Employee ▼

Filter Options

Filters

Please choose... ▼

Employee

A001 - MALLISSA ✕

Load Tasks

Filter Values

Apply Filters

Work

- Generate Work Schedules
- Modify Work Schedules
- Work List
- Work Done

Task Allocation

Task Schedule

PROTEA LITTLE LADY WHITE 15 SALES JAN CUTTING PROPAGATION

PROTEA LITTLE LADY WHITE 15 SALES JAN CUTTING PROPAGATION

PROTEA LITTLE LADY WHITE 15 SALES JAN CUTTING PROPAGATION

PROTEA LITTLE LADY WHITE 15 SALES JAN CUTTING PROPAGATION

PROTEA LITTLE PRINCE 15 SALES JAN CUTTING PROPAGATION

PROTEA MADIRA 15 SALES JAN CUTTING PROPAGATION

Mon 28 Sep 2015

LEUCADENDRON AFRICAN GOLD 15 SALES JAN CUTTING PROPAGATION

LEUCADENDRON AFRICAN SPICE 15 SALES JAN CUTTING PROPAGATION

Total: 1,275

Tue 29 Sep 2015

LEUCADENDRON JESTER 15 SALES JAN CUTTING PROPAGATION

Total: 1,000

Wed 30 Sep 2015

LEUCADENDRON JESTER 15 SALES JAN CUTTING PROPAGATION

LEUCADENDRON RED DEVIL 15 SALES JAN CUTTING PROPAGATION

Total: 1,260

Quantity

1000

Additional notes

✓ Update Quantity

Thu 01 Oct 2015

LEUCADENDRON BURGUNDY SUNSET 15 SALES JAN CUTTING PROPAGATION

Total: 1,000

Fri 02 Oct 2015

LEUCADENDRON BURGUNDY SUNSET 15 SALES JAN CUTTING PROPAGATION

Total: 1,000

Sat 03 Oct 2015

LEUCADENDRON BURGUNDY SUNSET 15 SALES JAN CUTTING PROPAGATION

Total: 1,700

Print Work list – Dynamic reporting

Test NEW Work Data Source

Filters:

Filters

Operator

Values

Report Data

[Filter Log](#)

Show entries

Filter	Op
--------	----

Employee ▲	Production Sector ⇅	Task Day ⇅	Variety ⇅	Task ⇅	Cutting Length ⇅	IBA Concentration ⇅	Dip Time ⇅
A001 - MALLISSA AFRIKA	PROP	2015-09-28	AFRICAN GOLD	CUTTING PROPAGATION	10 CM	4000 PPM	5S
A001 - MALLISSA AFRIKA	PROP	2015-09-28	AFRICAN SPICE	CUTTING PROPAGATION	10 CM	4000 PPM	5S
A001 - MALLISSA AFRIKA	PROP	2015-09-29	JESTER	CUTTING PROPAGATION	10 CM	2000 PPM	40S
A001 - MALLISSA AFRIKA	PROP	2015-09-30	JESTER	CUTTING PROPAGATION	10 CM	2000 PPM	40S
A001 - MALLISSA AFRIKA	PROP	2015-09-30	RED DEVIL	CUTTING PROPAGATION	6 CM	2000 PPM	5S
A001 - MALLISSA AFRIKA	PROP	2015-10-01	BURGUNDY SUNSET	CUTTING PROPAGATION	6 CM	2000 PPM	5S

Print Work list – Dynamic reporting



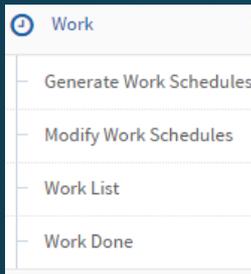
Test NEW Work Data Source

Employee: A001 - MALLISSA AFRIKA

Report Created On 29 Feb 2016 at 17:10:13 for Arnelia

Task Day	Variety	Task	Parameters	Task Qty	Done Qty	
Production Sector: PROP						
2015-09-28	AFRICAN GOLD	CUTTING PROPAGATION	Cutting Length IBA Concentration Dip Time Jiffy Size	10 CM 4000 PPM 5S 4CM JIFFY	567	588
2015-09-28	AFRICAN SPICE	CUTTING PROPAGATION	Cutting Length IBA Concentration Dip Time Jiffy Size	10 CM 4000 PPM 5S 4CM JIFFY	708	0
2015-09-29	JESTER	CUTTING PROPAGATION	Cutting Length IBA Concentration Dip Time Jiffy Size	10 CM 2000 PPM 40S	1 000	0
2015-09-30	JESTER	CUTTING PROPAGATION	Cutting Length IBA Concentration Dip Time Jiffy Size	10 CM 2000 PPM 40S	760	0
2015-09-30	RED DEVIL	CUTTING PROPAGATION	Cutting Length IBA Concentration Dip Time Jiffy Size	6 CM 2000 PPM 5S	500	0
2015-10-01	BURGUNDY SUNSET	CUTTING PROPAGATION	Cutting Length IBA Concentration Dip Time Jiffy Size	6 CM 2000 PPM 5S	1 000	0
2015-10-02	BURGUNDY SUNSET	CUTTING PROPAGATION	Cutting Length IBA Concentration Dip Time Jiffy Size	6 CM 2000 PPM 5S	1 000	0

Work – operational part of system



Work Done » View & Update

Filter By: Task Week Task Day Task Assigned To

Task	Task Day	Task Qty	Done Qty	Assigned To	Completed By	Stock Location	Additional info
Select Filter	<input type="text"/>						
CUTTING PROPAGATION - LEUCADENDRON AFRICAN ...	28/09/2015	567	588	MALLISSA	MALLISSA	GH BAY B TABLE 10	
CUTTING PROPAGATION - LEUCADENDRON AFRICAN ...	28/09/2015	708		MALLISSA			
CUTTING PROPAGATION - LEUCADENDRON JESTER 15...	29/09/2015	1000		MALLISSA			
CUTTING PROPAGATION - LEUCADENDRON JESTER 15...	30/09/2015	760		MALLISSA			
CUTTING PROPAGATION - LEUCADENDRON BURGUND...	01/10/2015	1000		MALLISSA			
CUTTING PROPAGATION - LEUCADENDRON BURGUND...	02/10/2015	1000		MALLISSA			
CUTTING PROPAGATION - LEUCADENDRON BURGUND...	03/10/2015	1700		MALLISSA			
CUTTING PROPAGATION - LEUCADENDRON RED DEVI...	30/09/2015	500		MALLISSA			

Go to page: Show rows: 1-8 of 8

Reports – Dynamic reporting

Report Template » Create, Update & Delete

Prop list 3 - Template Details

1

2

3

4

5

6

7

8

Template Details

Page Looping

Sub Headings

Fields

Aggregations

Sorting

Filtering

Save Template

» Add, Update & Delete

Operation

My Reports Only

Data Source

Report Template

- Prop
- Prop List
- Prop list 2
- Prop list 3
- Work Report

Report Detail

Report Name

Report Heading

Report Layout

Data Source Description

Template Description

Report Settings

Report Steps

Report Looping

Page Looping

Sub-Heading

Combinations

Filters

Report Configuration

Linked Aggregations

Linked Comparisons

Report Layout

Hide Heading

Show Filter Log

Print Settings

Include Pictures

Unit Of Measure

Report Access

Private

Internal Only

Cancel



← Prev

Next →

Final thoughts

- Long process
- Implementation
- Next phases:
 - Other stock requirements
 - Dispatch



Thank you!!