



ORCHESTRA

Production | Spirits

Part 2 of 2

This guide will introduce you to the concepts, basics and main processes of Orchestrated Production.



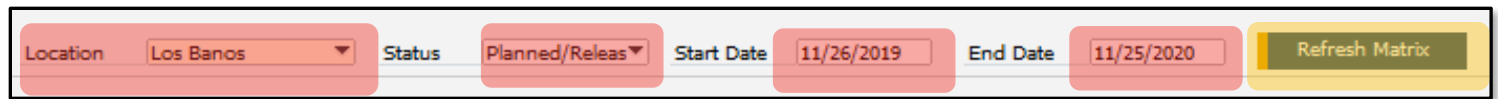
Contents

Worksheet & Expressing	3
Express Mash	3
Express Fermented Mash	7
Express Distillate	11
Express Additional Steps	15
Express Bottle Proof	16
Plan Packaging based on Bottle Proof liquid in the tank	20
Express Packaging	21
Additional Scenarios	25
Close Production orders	25
Empty Tanks	26
Disassemble an incorrectly expressed PdO	27
Troubleshooting Production	28
Blend 2 Batches of Spirits together	29
Inventory Transfers	31
Warehouse Assignment Wizard	33
Useful Production Reports	36
Reports by Persona	36



1. Open Cooking Worksheet

A cartoon illustration of a man with a full brown beard and mustache, wearing a blue and white baseball cap and a dark blue long-sleeved shirt. He is standing with his arms crossed. The illustration is set within a circular frame that has a slight gradient and a drop shadow, giving it a 3D appearance. In the background, there are faint, partially visible elements of a presentation slide, including a table with the word 'Timing' and a heading 'Year 12'.



Mash

Ferment

Production

Express

Issue

Receipt

- 4



UPPER SECTION:
What you're
making!

8. Enter 'Receive Qty'
9. Enter 'Proof'
10. Enter 'Initials'
11. Confirm 'Production Date'
12. In lower section (materials consumed) confirm quantity used of each individual item
 - a. The far right 'ActQty' column is where you will enter actual quantities you want taken out of inventory
13. Click <Process>

Express Production

Product Code → M2003 Warehouse → LB-BH01 Production Order → 10027

Product Name Mash - Uriah White Lightenin'

Planned Qty 400 Gal Target Proof 0 Due Date 11/01/2020

Receive Qty 0.000 Gal Proof 0.000 Production Date 11/01/2020

Variance Proof Gallons Batch ID UWL2 Initials

Item Code	Item Name	PlannedQty	WHse	ItemCode	BatchNumber	In Stock	UoM	In Date	ActQty
▼ 01. RA2001	Water	▼ 335.000							
			LB-A1	→ RA2001			LB		335.00
▼ 02. RG2000	Grain - Estate Grain	▼ 1,000.000						10/06/2020	1,000.00
▼ 03. RC2000	Chemicals - Viscoferm Enzyme	▼ 0.140							
			LB-A1	→ RC2000	2151651	412.00	LB	10/06/2020	0.14
▼ 04. RC2001	Chemicals - Termamyl Enzyme	▼ 0.270							
			LB-A1	→ RC2001	6195150	288.00	LB	10/06/2020	0.27
▼ 05. RC2003	Chemicals - Saczyme Enzyme	▼ 0.170							
			LB-A1	→ RC2003	9302020	201.00	LB	10/06/2020	0.17
▼ 06. RC2008	Chemicals - Caustic	▼ 0.200							
			LB-A1	→ RC2008	666645151	80.00	LB	10/06/2020	0.20
▼ 07. RC2007	Chemicals - Copper Inhibitor	▼ 0.050							

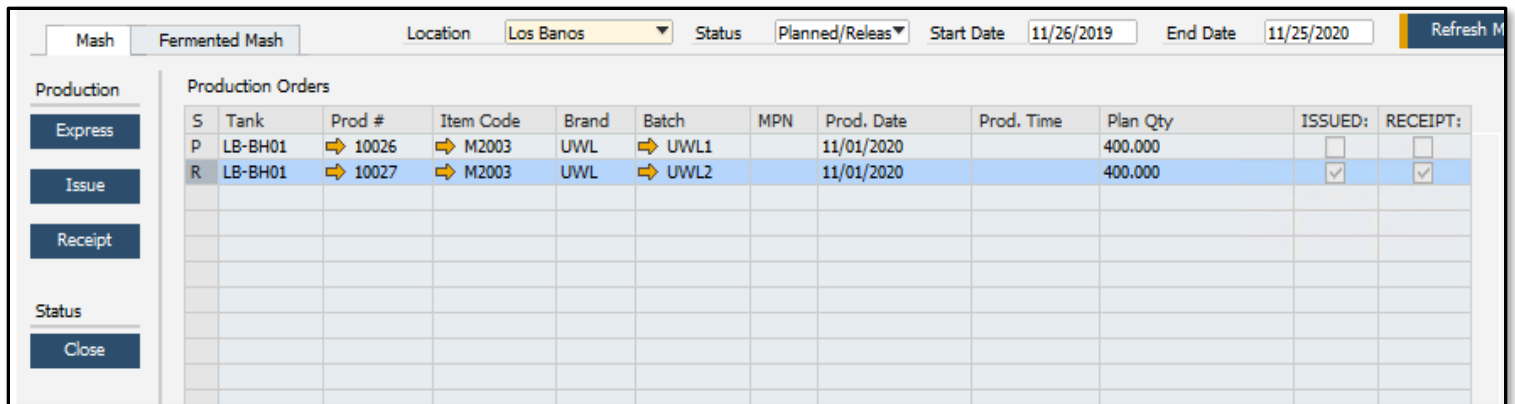
Process Cancel Calculator Refresh

LOWER SECTION: What you'll be
consuming during Production

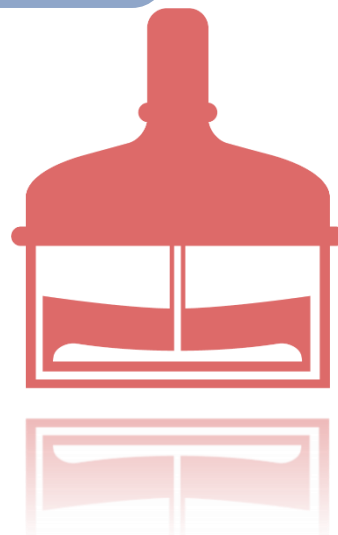


Production | Spirits





- Mash down, now on to
Fermented Mash!





Express Fermented Mash



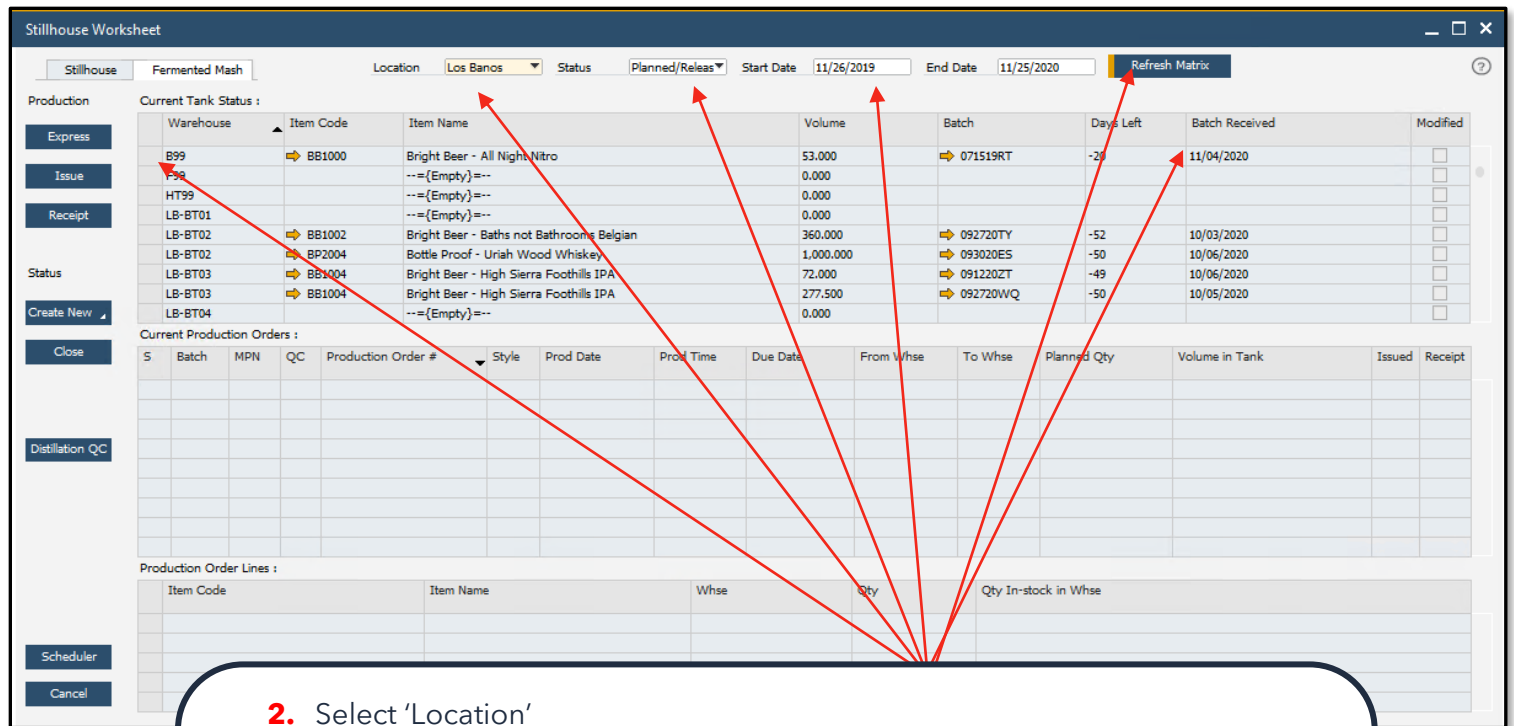
Modules > Production > Production Forms > Cooking Worksheet > Fermented Mash tab
or

Modules > Production > Production Forms > Stillhouse Worksheet > Fermented Mash tab

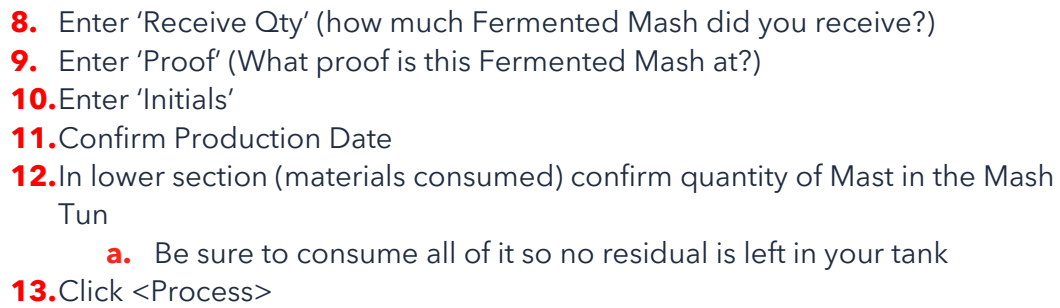
Recipe Ingredients that will be consumed

1. Open Stillhouse Worksheet > Fermented Mash tab

Warehouse	Item Code	Item Name
B99	BB1000	Bright Beer
F99		--={Empty}
HT99		--={Empty}
LB-BT01		--={Empty}
LB-BT02	BB1002	Bright Beer
LB-BT02	BP2004	Bottle Proof
LB-BT03	BB1004	Bright Beer -
LB-BT03	BB1004	Bright Beer - Hig
LB-BT04		--={Empty}---



2. Select 'Location'
3. Select 'Start Date' & 'End Date' for the Production Orders you are ready to Express
4. Ensure 'Status' dropdown is set to Released
5. Click <Refresh Matrix>
6. Highlight to PdO for Fermented Mash you're ready to make by clicking the row
7. Click <Express>



UPPER SECTION: What you're making!

LOWER SECTION: What you'll be consuming during Production



Stillhouse Worksheet

Stillhouse Fermented Mash Location Los Banos Status Planned/Release Start Date 11/26/2019 End Date 11/25/2020 Refresh Matrix

Production

Current Tank Status :

Warehouse	Item Code	Item Name	Volume	Batch	Days Left	Batch Received	Modified
B99	BB1000	Bright Beer - All Night Nitro	53.000	071519RT	-20	11/04/2020	☐
F99	FM2003	Fermented Mash - Uriah White Lightenin'	400.000	UWL2	7	11/25/2020	☐
HT99		--(Empty)--	0.000				☐
LB-BT01		--(Empty)--	0.000				☐
LB-BT02	BB1002	Bright Beer - Baths not Bathrooms Belgian	360.000	092720TY	-52	10/03/2020	☐
LB-BT02	BP2004	Bottle Proof - Uriah Wood Whiskey	1,000.000	093020ES	-50	10/06/2020	☐
LB-BT03	BB1004	Bright Beer - High Sierra Foothills IPA	72.000	091220ZT	-49	10/06/2020	☐
LB-BT03	BB1004	Bright Beer - High Sierra Foothills IPA	277.500	092720WQ	-50	10/05/2020	☐
LB-BT04		--(Empty)--	0.000				☐

Current Production Orders :

S	Batch	MPN	QC	Production Order #	Style	Prod Date	Prod Time	Due Date	From Whse	To Whse	Planned Qty	Volume in Tank	Issued	Receipt
R	UWL2			10028	Fermented Mash - Uriah White Lightenin'	11/25/2020		12/07/2020	LB-BH01	F99	400.000	0.00	☒	☒

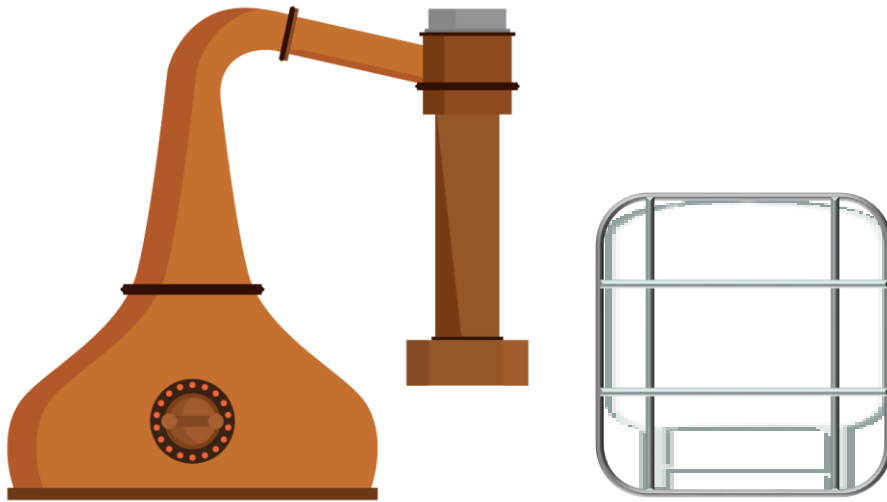
Distillation QC

14. PdO for Fermented Mash has now been expressed on the Stillhouse Worksheet > Fermented Mash tab
15. Both 'Issued' & 'Receipt' boxes should be checked
16. Current Tank Status
17. Should now reflect Fermented Mash sitting in the correct Warehouse (Fermenter)



Fermented Mash down!
Now on to Distillation...

Express Distillate

Express (Create) **Distillate**

Modules Drag & Relate

Look Up Menus

Production

- Production Forms
- Cooking Worksheet
- Brewing Worksheet
- Stillhouse Worksheet**
- Barrel Management

Stillhouse Worksheet

Stillhouse Fermented Mash Location Los Banos

Production

Express

Issue

Receipt

Current Tank Status :

Warehouse	Item
B99	
F99	
HT99	
LB-BT01	
LB-BT02	
LB-BT02	
LB-BT03	
LB-BT03	

Status

BB1004

--={Empty}--

1. Open Stillhouse Worksheet > Stillhouse tab



Stillhouse Worksheet

Stillhouse Fermented Mash Location Los Banos Status Planned/Released Start Date 11/26/2019 End Date 11/25/2020 Refresh Matrix

Production

Express

Issue

Receipt

Status

PO

Close

Distillation QC

Scheduler

Cancel

Current Tank Status :

Warehouse	Item Code	Item Name	Volume	Batch	Days Left	Batch Received	Modified
B99	BB1000	Bright Beer - All Night Nitro	53.000	071519RT	-20	11/04/2020	☐
F99	FM2003	Fermented Mash - Uriah White Lightenin'	400.000	UWL2	7	11/25/2020	☐
HT99		--{(Empty)}--	0.000				☐
LB-BT01		--{(Empty)}--	0.000				☐
LB-BT02	BB1002	Bright Beer - Baths not Bathrooms Belgian	360.000	092220TY	-52	10/03/2020	☐
LB-BT02	BP2004	Bottle Proof - Uriah Wood Whiskey	1.000.000	093020ES	-50	10/06/2020	☐
LB-BT03	BB1004	Bright Beer - High Sierra Foothills IPA	2.000	091220ZT	-49	10/06/2020	☐
LB-BT03	BB1004	Bright Beer - High Sierra Foothills IPA	277.500	092720WQ	-50	10/05/2020	☐
LB-BT04		--{(Empty)}--	0.000				☐

Current Production Orders :

S	Batch	MPN	QC	Production Order #	Style	Prod Date	Prod Time	Due Date	From Whse	To Whse	Planned Qty	Volume in Tank	Issued	Receipt
R		2		10023	Bottle Proof - Uriah Wood Whiskey	10/11/2020	04:18 PM	10/12/2020	LB-OAK01	B99	45.000	30.00	☐	☐

Production Order Lines :

Item Code	Item Name	Whse	Qty	Qty In-stock in Whse
-----------	-----------	------	-----	----------------------

2. Select 'Location'
3. Select 'Start Date' & 'End Date' for the Distilled Production Orders you are ready to Express
4. Ensure 'Status' dropdown is set to Released
5. Click <Refresh Matrix>
6. Highlight to PdO for Distillate you're ready to make by clicking the row
7. Click <Express>





8. Enter 'Receive Qty' (how much Distillate did you receive after running your Fermented Mash/GNS through your Still?)
9. Enter 'Proof' (What proof is this Distillate at?)
10. Enter 'Initials'
11. Confirm Production Date
12. In lower section (materials consumed) confirm quantity of Fermented Mash/GNS removed from Fermenter or Holding Tank/Tote
 - a. Be sure to consume all of it so no residual is left in your tank
13. Click <Process>

UPPER SECTION: What
you're making!

Express Production

Product Code → D2003 Warehouse → HT99 Production Order → 10029

Product Name → Distilled - Uriah White Lightenin'

Planned Qty → 80 Gal Target Proof → 0

Receive Qty → 0.000 Gal Proof → 0.000

Variance → Proof Gallons → Batch ID → UWL2

Due Date → 11/25/2020

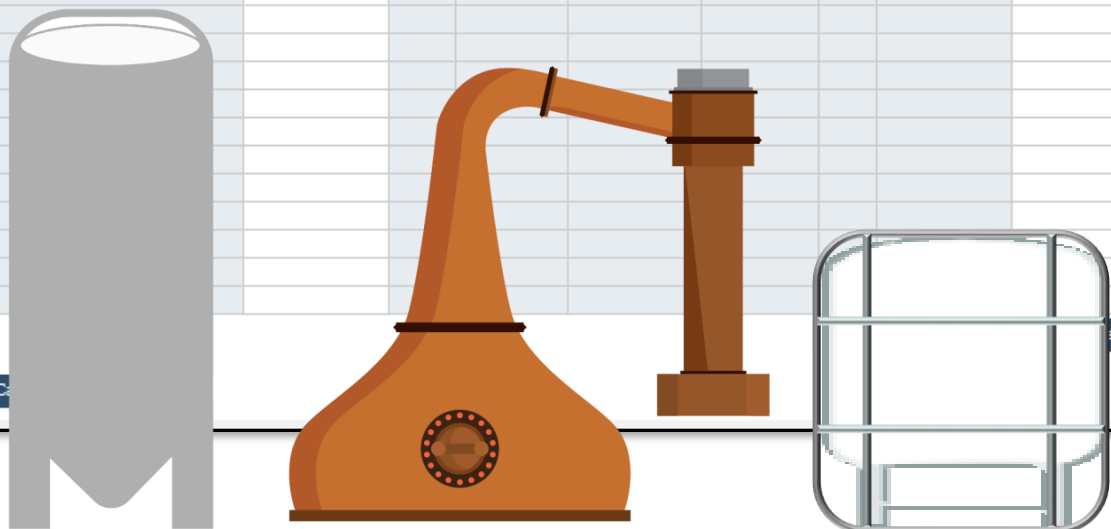
Production Date → 11/25/2020

Initials →

Item Code	Item Name	PlannedQty	WHse	ItemCode	BatchNumber	In Stock	UoM	In Date	ActQty
▼ 01. FM2003	Fermented Mash - Uriah White Lightenin'	▼ 400.000							
			F99	→ FM2003	UWL2	400.00	Gal	11/25/2020	400.00

LOWER SECTION: What you'll be
consuming during Production

Process Cancel C





Stillhouse Worksheet

Stillhouse Fermented Mash Location Los Banos Status Planned/Released Start Date 11/26/2019 End Date 11/25/2020 Refresh Matrix

Production

Current Tank Status :

Warehouse	Item Code	Item Name	Volume	Batch	Days Left	Batch Received	Modified
B99	BB1000	Bright Beer - All Night Nitro	53.000	071519RT	-20	11/04/2020	☐
F99	--={Empty}--	--={Empty}--	0.000				☐
HT99	D2003	Distilled - Uriah White Lightenin'	80.000	UWL2	0	11/25/2020	☐
LB-BT01	--={Empty}--	--={Empty}--	0.000				☐
LB-BT02	BB1002	Bright Beer - Baths not Bathrooms Belgian	360.000	092720TY	-52	10/03/2020	☐
LB-BT02	BP2004	Bottle Proof - Uriah Wood Whiskey	1,000.000	093020ES	-50	10/06/2020	☐
LB-BT03	BB1004	Bright Beer - High Sierra Foothills IPA	72.000	091220ZT	-49	10/06/2020	☐
LB-BT03	BB1004	Bright Beer - High Sierra Foothills IPA	277.500	092720WQ	-50	10/05/2020	☐
LB-BT04	--={Empty}--	--={Empty}--	0.000				☐

Current Production Orders :

S	Batch	MPN	QC	Production Order #	Style	Prod Date	Prod Time	Due Date	From Whse	To Whse	Planned Qty	Volume in Tank	Issued	Receipt
R		2		10023	Bottle Proof - Uriah Wood Whiskey	10/11/2020	04:18 PM	10/12/2020	LB-OAK01	B99	45.000	30.00	☐	☐
R	UWL2			10029	Distilled - Uriah White Lightenin'	11/25/2020		11/25/2020	F99	HT99	80.000	0.00	☒	☒

Distillation QC

- a. PdO for Distillate has now been expressed on the Stillhouse Worksheet > Stillhouse tab
 - b. Both 'Issued' & 'Receipt' boxes should be checked
- 14.** Current Tank Status
- a. Should now reflect Distillate sitting in the correct Warehouse (Tank/Tote)

Distillate down! Now on to those additional Steps...





Express Additional Steps

Express (Create)
Additional Steps*

Modules > Production > Production Forms > Stillhouse Worksheet > Stillhouse

*Any additional steps (i.e. Barrel-Proofed, Barrel-Dumped, Blended, Filtered/Flavored, will be *expressed* in the exact same manner as Fermented Mash Distillate (**with the exception of Barrel-Aged liquid, which will be handled from within Barrel Management Console**). Follow the previous instructions for your additional step! You will begin from the Stillhouse tab of the Stillhouse Worksheet.

Got it! Now on to
expressing Bottle
Proofed liquid





Express Bottle Proof



Modules > Production > Production Forms > Stillhouse Worksheet > Stillhouse Tab

Stillhouse Worksheet

Stillhouse | Fermented Mash

Production

Express

Issue

Receipt

Status

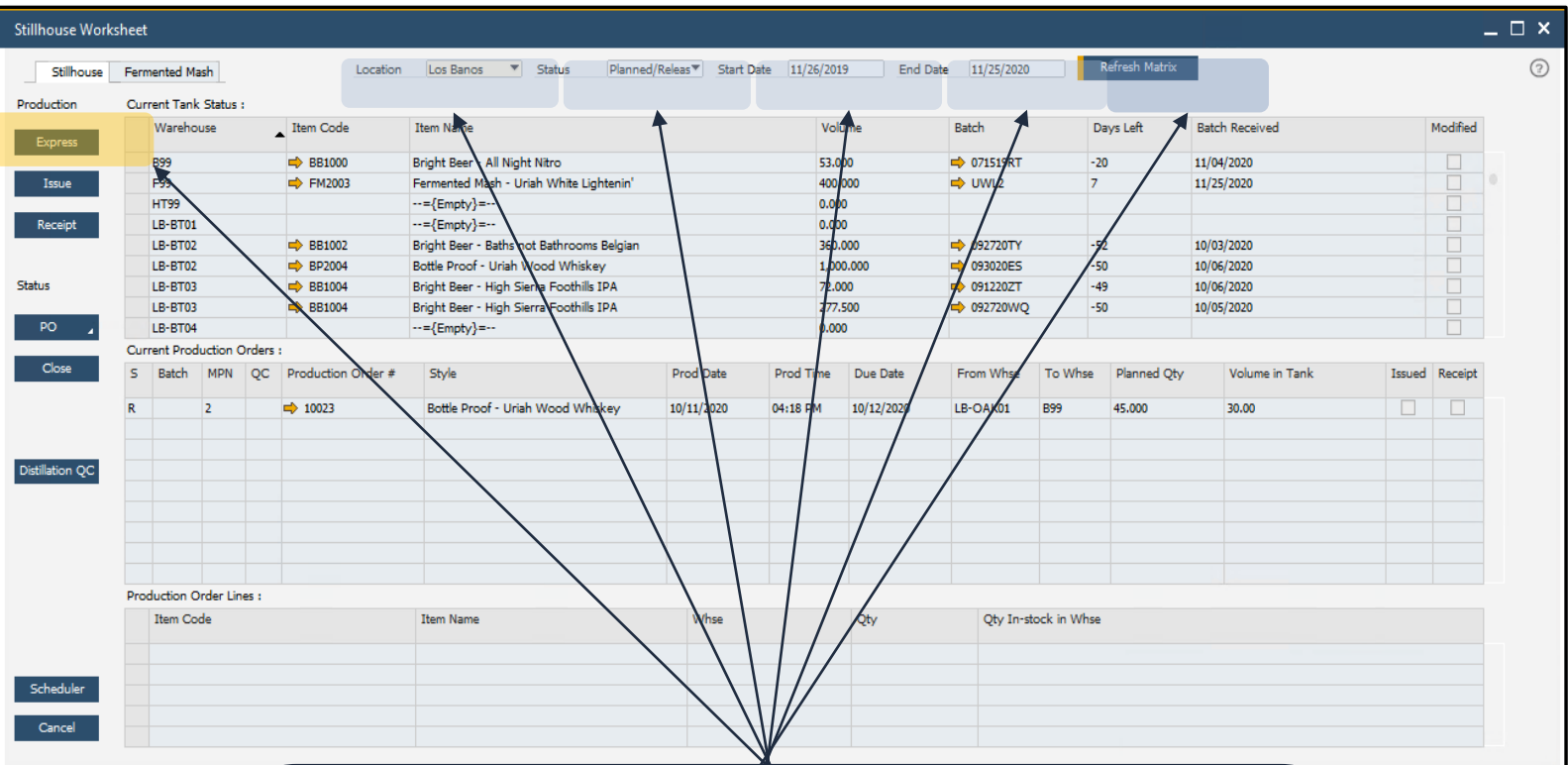
PO

Current Tank Status :

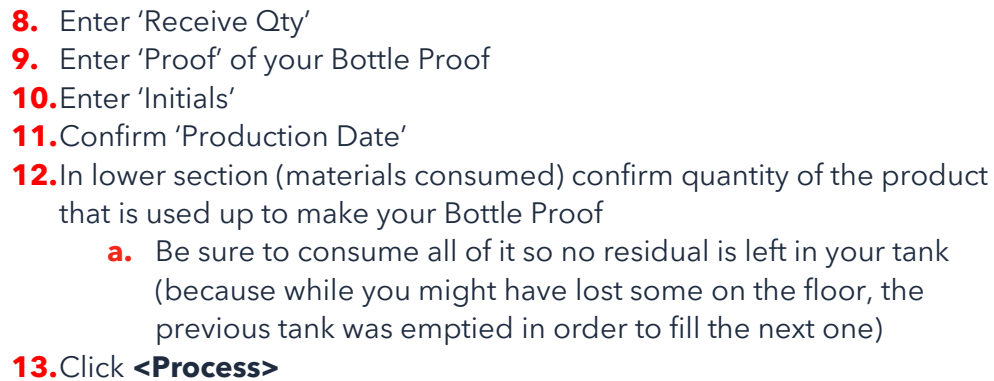
Warehouse	Item C
B99	BB10
F99	FM200
HT99	
LB-BT01	
LB-BT02	BB1002
LB-BT02	BP2004
LB-BT03	BB1004
LB-BT03	BB1004
LB-BT04	--={Empty}=--

Current Production Orders :

1. Open Stillhouse Worksheet > Stillhouse tab



- 17



LOWER SECTION: What you'll be consuming during Production

18



Stillhouse Worksheet

Stillhouse Fermented Mash Location Los Banos Status Planned/Released Start Date 11/26/2019 End Date 11/25/2020 Refresh Matrix

Production Current Tank Status :

Warehouse	Item Code	Item Name	Volume	Batch	Days Left	Batch Received	Modified
B99	BB1000	Bright Beer - All Night Nitro	53.000	071519RT	-20	11/04/2020	☐
B99	BP2004	Bottle Proof - Uriah Wood Whiskey	45.000	090120QZ	-45	10/11/2020	☐
F99	--(Empty)--	--(Empty)--	0.000				☐
HT99	D2003	Distilled - Uriah White Lightenin'	80.000	UWL2	0	11/25/2020	☐
LB-BT01	--(Empty)--	--(Empty)--	0.000				☐
LB-BT02	BB1002	Bright Beer - Baths not Bathrooms Belgian	360.000	092720TY	-52	10/03/2020	☐
LB-BT02	BP2004	Bottle Proof - Uriah Wood Whiskey	1,000.000	093020ES	-50	10/06/2020	☐
LB-BT03	BB1004	Bright Beer - High Sierra Foothills IPA	72.000	091220ZT	-49	10/06/2020	☐
LB-BT03	BB1004	Bright Beer - High Sierra Foothills IPA	277.500	092720WQ	-50	10/05/2020	☐

Current Production Orders :

S	Batch	MPN	QC	Production Order #	Style	Prod Date	Prod Time	Due Date	From Whse	To Whse	Planned Qty	Volume in Tank	Issued	Receipt
R	090120QZ	2		10023	Bottle Proof - Uriah Wood Whiskey	10/11/2020	04:18 PM	10/12/2020	LB-OAK01	B99	45.000	0.00	☒	☒
R	UWL2			10029	Distilled - Uriah White Lightenin'	11/25/2020		11/25/2020	F99	HT99	80.000	0.00	☒	☒

Distillation QC

Production Order Lines :

- b. PdO for Bottle Proof has now been expressed on Stillhouse Worksheet
 - c. Both 'Issued' & 'Receipt' boxes should be checked
- 14.** Current Tank Status
- a. Should now reflect Bottle Proof sitting in the correct Warehouse

Cool! Expressing works the same way for each step! Now, how about Packaging?





Plan Packaging based on Bottle Proof liquid in the tank

Modules > Production > Production Forms > Packaging Worksheet

Packaging Worksheet

Location: Los Banos Status: Planned/Reles Start Date: 11/26/2019 End Date: 11/25/2020 Refresh Matrix

Create New

Current Tank Status:

Whse	Run #	Item Code	Item Name	Volume	Batch	Batch Received	Modified	Approved
B99		BP2004	Bottle Proof - Uriah Wood Whiskey	45.000	090120QZ	10/11/2020		
B99		BB1000	Bright Beer - All Nigl	3.000	071519RT	11/04/2020		
LB-BT01			--={Empty}==	1.000				
LB-BT02		BP2004	Bottle Proof - Uriah	1,000.000	093020ES	10/06/2020		
LB-BT02		BB1002	Bright Beer - Baths r	60.000	092720TY	10/03/2020		
LB-BT03	1	BB1004	Bright Beer - High S	72.000	091220ZT	10/06/2020		
LB-BT03		BB1004	Bright Beer - High S	77.500	092720WQ	10/05/2020		
LB-BT04			--={Empty}==	1.000				
M-BT01			--={Empty}==	1.000				

Current Production Orders:

S	Batch	MPN	Production Order #	Prod Date	Prod Time	Style	Warehouse	UoM	Planned Qty	Completed Qty	Issued	Received	Remarks	Run #
---	-------	-----	--------------------	-----------	-----------	-------	-----------	-----	-------------	---------------	--------	----------	---------	-------

QC Data

Pack QC

Air Test

Volumes

1. From the 'Current Tank Status' table, highlight the tank (batch of bottle proof) that you want to bottle
2. Right-Click > Create Packaging Run

Packaging Run

Source Item: BP2004 Source Item Name: Bottle Proof - Uriah Wood Whiskey

Document Entry: Production Date: 11/25/2020 Start Time: 1:24PM

From Sources:

PdO #	MPN	Warehouse	Batch	Batch Received	Available	In Stock	Assigned	Remaining
1	2	B99	090120QZ	10/11/2020	45.00	45.00	0.00	45.00
					45.00	45.00		45.00

To Finished Good Production Orders:

PdO #	MPN	Status	Item Code	Item Name	Batch	Prod Date	Start Time	Due Date	From Whs	To Whs	Quantity	Volume Consumed	In Stock	Min Stock
1	2	Planned	2004-B12375	Uriah Wood Whiskey - Case 12 x 375ml Bottles	090120QZ	11/25/2020	1:24PM	11/25/2020	B99	LB-A1	0	0.00	0.00	0.00
2	2	Planned	2004-B12750	Uriah Wood Whiskey - Case 12 x 750ml Bottles	090120QZ	11/25/2020	1:24PM	11/25/2020	B99	LB-A1	0	0.00	0.00	0.00
3	2	Planned	2004-B2450	Uriah Wood Whiskey - Case 24 x 50ml Bottles	090120QZ	11/25/2020	1:24PM	11/25/2020	B99	LB-A1	0	0.00	0.00	0.00
4	2	Planned											0.00	0.00
5														

3. Enter the Production Date (top right of form)
4. Verify the 'To Whs' column
5. Enter in the QTY of finished goods to be produced
 - a. This can be for one or all the items shown in the bottom grid
 - b. Notice the volume consumed updates in the row, and in the header. Use this real-time calculation to split your volume as needed
6. Click <Add>
7. Your Packaging Production Orders are now created, and ready to express on the Packaging Worksheet



Packaging Worksheet

GI Location: Los Banos Status: Planned/Released Start Date: 11/26/2019 End Date: 11/25/2020 Refresh Matrix

Current Tank Status :

Whse	Run #	Item Code	Item Name	Volume	Batch	Batch Received	Modified	Approved
Production	B99	BP2004	Bottle Proof - Uriah Wood Whiskey	45,000	090120QZ	10/11/2020	☐	☒
	B99	BB1000	Bright Beer - All Night Nitro	53,000	071519RT	11/04/2020	☐	☒
	LB-BT01		--(Empty)--	0.000			☐	☐
	LB-BT02	BP2004	Bottle Proof - Uriah Wood Whiskey	1,000,000	093020ES	10/06/2020	☐	☒
	LB-BT02	BB1002	Bright Beer - Bath not Bathrooms Belgian	360,000	092720TY	10/03/2020	☐	☒
	LB-BT03	1	BB1004	Bright Beer - High Sierra Foothills IPA	72,000	091220ZT	☐	☒
	LB-BT03		BB1004	Bright Beer - High Sierra Foothills IPA	277,500	092720WQ	☐	☒
	LB-BT04		--(Empty)--	0.000			☐	☐
	M-BT01		--(Empty)--	0.000			☐	☐

Current Production Orders :

S	Batch	MPN	Production Order #	Prod Date	Prod Time	Style	Warehouse	UoM	Planned Qty	Completed Qty	Issued	Received	Remarks	Run #

QC Data

Pack QC
Air Test
Volumes

2. Select 'Location'
3. Select 'Start Date' & 'End Date' for the Packaging Production Orders you are ready to Express
4. Ensure 'Status' dropdown is set to Planned/Released
5. Click **<Refresh Matrix>**
6. Highlight the PdO for Packaged Goods you're ready to fulfill by clicking the row
7. Click **<Express>**

If you need to make changes to your Packaging Production Order, you can always drill back into the Packaging Run utilizing the yellow drill down arrow!



Express Production

Product Code → 2004-B12375 Warehouse → LB-FG01 Production Order → 10030 ?

Product Name Uriah Wood Whiskey - Case 12 x 375ml Bottles Due Date 11/25/2020

Planned Qty 37 Ea Target Proof 0 Production Date 11/25/2020

Receive Qty 37.000 Ea Proof 0.000 Batch ID 090120QZ

Variance 0 Proof Gallons 0 Initials MI

Item Code	Item Name	PlannedQty	WHse	ItemCode	BatchNumber	In Stock	UoM	In Date	ActQty
▼ 01. BP2004	Bottle Proof - Uriah Wood Whiskey	▼ 43.993							
			B99	→ BP2004	090120QZ	45.00	Gal	10/11/2020	43.99
▼ 02. PG2010	375ml Bottle	▼ 444.000							
			LB-A1	→ PG2010	9302020	2,541.00	each	10/06/2020	444.00
▼ 03. PG2015	Bottle Caps	▼ 444.000							
			LB-A1	→ PG2015	9302020	250,548.00	Each	10/06/2020	444.00
▼ 04. PG2018	Bottle Label Front - 375mL	▼ 444.000							
			LB-A1	→ PG2018	9302020	743.00	Each	10/06/2020	444.00
			LB-A1	→ PG2018	9849854	10,200.00	Each	10/06/2020	0.00
▼ 05. PG2021	Bottle Label Back - 375mL	▼ 444.000							
			LB-A1						444.00

Process Cancel Calculator

8. Enter 'Receive Qty'
9. Enter 'Proof' of Finished Goods
10. Enter 'Initials'
11. Confirm 'Production Date'
12. In lower section (materials consumed) confirm quantity of Bottle Proof in the Tank
13. Be sure to consume all of it so no residual is left in your tank
14. Click **<Process>**

If packaging multiple items, click <Express> again to tell OSpirits the next Packaging PdO has been fulfilled



- PdO(s) for Packaged Goods have now been expressed on Packaging Worksheet
 - Both 'Issued' & 'Receipt' boxes should be checked
- 15. Current Tank Status**
- Should now reflect Bottle Proof removed/decremented from previous Warehouse

GI

Location Los Banos

Status Planned/Released

Start Date 11/26/2019

End Date 11/25/2020

Refresh Matrix

Create New

Express

Issue

Receipt

Status

Close

QC Data

Pack QC

Air Test

Volumes

Current Tank Status :

Whse	Run #	Item Code	Item Name	Volume	Batch	Batch Received	Modified	Approved
B99	2	BP2004	Bottle Proof - Uriah Wood Whiskey	1.007	090120QZ	10/11/2020	☐	☒
B99		BB1000	Bright Beer - All Night Nitro	53.000	071519RT	11/04/2020	☐	☒
LB-BT01			--(Empty)--	0.000			☐	☐
LB-BT02		BP2004	Bottle Proof - Uriah Wood Whiskey	1.000.000	093020ES	10/06/2020	☐	☒
LB-BT02		BB1002	Bright Beer - Baths not Bathrooms Belgian	360.000	092720TY	10/03/2020	☐	☒
LB-BT03	1	BB1004	Bright Beer - High Sierra Foothills IPA	72.000	091220ZT	10/06/2020	☐	☒
LB-BT03		BB1004	Bright Beer - High Sierra Foothills IPA	277.500	092720WQ	10/05/2020	☐	☒
LB-BT04			--(Empty)--	0.000			☐	☐
M-BT01			--(Empty)--	0.000			☐	☐

Current Production Orders :

S	Batch	MPN	Production Order #	Prod Date	Prod Time	Style	Warehouse	UoM	Planned Qty	Completed Qty	Issued	Received	Remarks	Run #
R	090120QZ	2	10030	11/25/2020	1:31PM	Uriah Wood Whiskey - Case 12 x 375ml Bottles	LB-FG01	Ea	37.000	37.000	☒	☒		2





Modules > Production > Automation > PdO Close Wizard

1. Open PdO Close Wizard
2. Select 'Status' dropdown and choose Received
3. Select 'Start Date' & 'End Date' for the Production Orders you are ready to close
4. Click **<Search>**
5. In the left-hand column, checkmark the Production Orders you would like to close
6. Click **<Close>** **<Yes>** **<Cancel>**

25



Empty Tanks

Modules > Production > Production Forms > Packaging Worksheet

1. Open Packaging Worksheet
2. Select Location
3. Verify leftover amount in Warehouse/Tank
4. Under Current Tank Status table
5. Click in the top left dropdown choose <Goods Issue> click <Create New>
6. Select date liquid was lost
7. Fill out item that needs to be issued out/emptied (i.e. BP1001)
8. Enter quantity that was lost (typically matches quantity in Warehouse)
9. Input Warehouse where liquid is located (i.e. HT99)
10. Variance Reason dropdown > choose specific reason
11. Click <Add> <Auto-Select All> <OK> <Add> <Yes> <Cancel>
12. On the Packaging Worksheet click <Refresh Matrix> to verify removal of liquid

**Empty
Tank**

Packaging Worksheet

GI Location: Los Banos Status: Planned/Released Start Date: 11/26/2019 End Date: 11/25/2020 Refresh Matrix

Create New

Production

Express

Issue

Receipt

Status

Close

QC Data

Pack QC

Air Test

Volumes

Scheduler

Cancel

Current Tank Status :

Whse	Run #	Item Code	Item Name	Volume	Batch	Batch Received
B99	2	BP2004	Bottle Proof - Uriah Wood Whiskey	1.007	090120QZ	10/11/2020
B99		BB1000	Bright Beer - All Night Nitro	53.000	071519RT	11/04/2020

Goods Issue

Number: 10031 Series: Primary

Related Doc.

Price List: Last Purchase Price

Posting Date: 11/25/2020

Document Date: 11/25/2020

Ref. 2

Referenced Document

#	Item No.	Item Description	Quantity	Inventory Offset - Decrease Account	Item Cost	UoM Code	UoM Name	Distr. Rule	Variance Reason	Available To Promise
1	BP2004	Bottle Proof - Uriah Wood Whiskey	1.001	1071-01		Manual	Gal		Misc. Loss: Botting	
2										

Remarks

Journal Remark: Goods Issue

Add Cancel

Copy From Copy To



Disassemble an incorrectly expressed PdO

Modules > Production > Production Forms > Cooking/Stillhouse/Packaging Worksheet

1. Open the worksheet associated with the production order that was incorrectly expressed (i.e. Mash on the Cooking Worksheet, Distilled/Bottle Proofed on the Stillhouse Worksheet)
 - a. If the item you need to disassemble has been consumed (i.e. Mash was already consumed by Fermented Mash), you will need to disassemble what consumed it (i.e. Fermented Mash), and work backwards
2. Select Location
3. Select Start Date & End Date for the Production Orders you need to disassemble
4. Ensure Status dropdown is set to 'Released'
5. Click Refresh Matrix
6. Select the Production Order (both issued and receipt boxes should be checked)
7. Drill into the Production Order # (Prod#) via the yellow arrow
8. Opens up the single Production Order
9. Right Click <Disassemble> <Yes> <Okay>

Disassemble
an incorrectly
expressed
Production
Order



Troubleshooting Production

If you see **RED BARS** during Expressing, this means you are out of inventory or your Production Order is trying to pull inventory from the wrong warehouse.

Express Production

Product Code → D2003 Warehouse → HT99 Production Order → 10031
Product Name Distilled - Uriah White Lightenin' Due Date 11/25/2020
Planned Qty 80 Gal Target Proof 0 Production Date 11/25/2020
Receive Qty 0.000 Gal Proof 0.000 Batch ID
Variance Proof Gallons Initials

Item Code	Item Name	PlannedQty	WHse	ItemCode	BatchNumber	In Stock	UoM	In Date	ActQty
▼ 01. FM2003	Fermented Mash - Uriah White Lightenin'	▼ 400.000							
			F99	FM2003		0.00	Gal		0.00

1. If you're out of Inventory: You'll need to bring more into stock (Goods Receipt PO)
2. If the PdO is trying to pull from the wrong warehouse, drill into the PdO to change the warehouse

Express Production

Product Code → D2003 Warehouse → HT99 Production Order → 10031
Product Name Distilled - Uriah White Lightenin' Due Date 11/25/2020
Planned Qty 80 Gal Target Proof 0 Production Date 11/25/2020
Receive Qty 0.000 Gal Proof 0.000 Batch ID
Variance Proof Gallons Initials

Item Code	Item Name	PlannedQty	WHse	ItemCode	BatchNumber	In Stock	UoM	In Date	ActQty
▼ 01. FM2003	Fermented Mash - Uriah White Lightenin'	▼ 400.000							
			F99	FM2003		0.00	Gal		0.00

Production Order

Type Standard
Status Planned
Product No. D2003
Product Description Distilled - Uriah White Lightenin'
Planned Quantity 80 UoM Name Gal
To Whse/Tank HT99
Last Applied BOM Version Base BoM
Master Production No.
Target Proof 0

No. Primary 10031
Order Date 11/25/2020
Production Date 11/25/2020
Production Time
Due Date 11/25/2020
User mivacic-high
Linked To Sales Order
Project

Prefix Batch # Batch Date Suff

#	Type	No.	Description	Base ...	Base Ratio	Planned...	Issued	Avail...	UoM ...	UoM ...	From W...	Issue Method
1	Item	FM2003	Fermented Mash - U	5	5	400	0	-400	Manual	Gal	F99	Manual
2	Item						0	0				

Once updates/corrections are made. Click <Refresh>

Refresh



1. Highlight the tank in the Current Tank Status window (this will be the tank that contains 2 different batches)
2. <Right Click> choose Blend Tank

Blending & Additions

Status	Open	Document	
Final Item	B91000 ... Bright Beer - All Night Nitro	Blend Date	11/25/2020
Warehouse	B99	Batch	071519RT - bld
Quantity	54.007	Proof	0.000
		Proof Gallons	0.000

Input Items

	ItemCode	ItemName	Quantity	UoM Name	Warehouse	Batch
1	B92004	Bottle Proof - Uriah Wood Whiskey	1.007	Gal	B99	
2	B91000	Bright Beer - All Night Nitro	53.000	BBL	B99	

Comments

Inbound Pdo

 Outbound Pdo

Add Cancel

3. Verify
4. Change numbe
5. Add i
- the Fi
6. Verify comb
- differ
- being
7. Click



Stillhouse

Fermented Mash

Location

Los Banos

Status

Planned/Released

Start Date

11/26/2019

End Date

11/25/2020

Refresh Matrix

?

Production

Current Tank Status :

Express

Issue

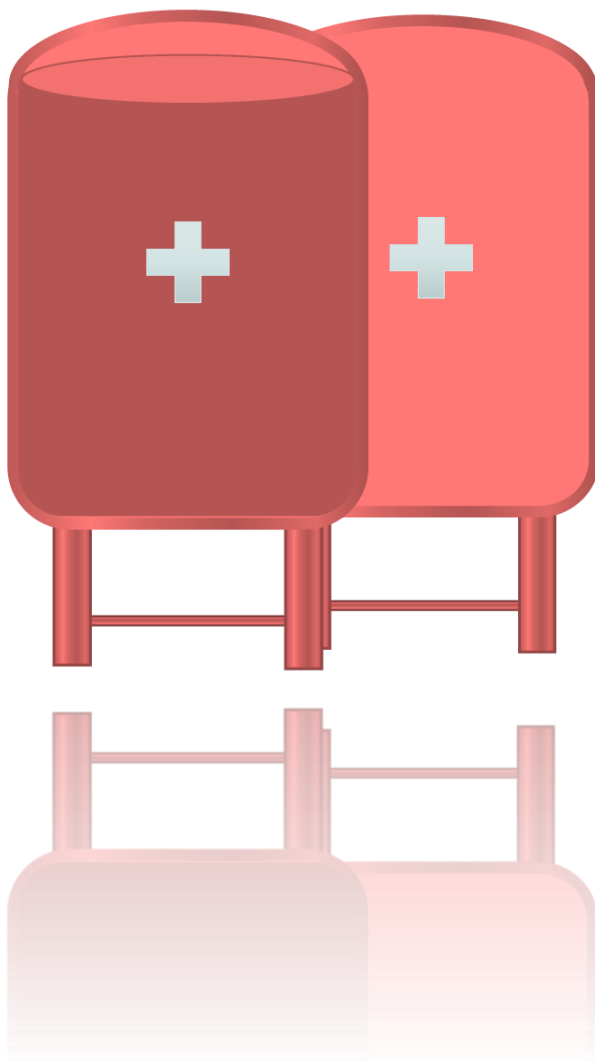
Receipt

Status

Create New

Warehouse	Item Code	Item Name	Volume	Batch	Days Left	Batch Received	Modified
B99	BP2004	Bottle Proof - Uriah Wood Whiskey	54.007	090120QZ-bld	0	11/25/2020	☒
F99	--={Empty}--		0.000				☐
HT99	D2003	Distilled - Uriah White Lightenin'	80.000	UWL2	0	11/25/2020	☐
LB-BT01	--={Empty}--		0.000				☐
LB-BT02	BB1002	Bright Beer - Baths not Bathrooms Belgian	360.000	092720TY	-52	10/03/2020	☐
LB-BT02	BP2004	Bottle Proof - Uriah Wood Whiskey	1,000.000	093020ES	-50	10/06/2020	☐
LB-BT03	BB1004	Bright Beer - High Sierra Foothills IPA	72.000	091220ZT	-49	10/06/2020	☐
LB-BT03	BB1004	Bright Beer - High Sierra Foothills IPA	277.500	092720WQ	-50	10/05/2020	☐
LB-BT04	--={Empty}--		0.000				☐

8. Click <Refresh Matrix>
9. Verify the new batch of combined





Inventory Transfers

Inventory Transfer

Business Partner

Name

Contact Person

Ship To

Number

Series

Posting Date

Document Date

Referenced Document

From Warehouse

To Warehouse

Price List

Last Purchase Price

10001

Primary

11/25/2020

11/25/2020

...

LB-A1

TR01

Last Purchase Price

Contents

Attachments

#	Item No.	Item Description	Fro...	To Ware...	Quantity	Item Cost	UoM Code	UoM Name	Distr. Rule
1	2000-B12375	Ortigalita Tequila - Cas	LB-A	TR01	2		Manual	Ea	
2	2000-B12750	Ortigalita Tequila - Cas	LB-A	TR01			Manual	Ea	
3			LB-A	TR01					

Sales Employee

-No Sales Employee-

Journal Remarks

Inventory Transfers -

Remarks

Add

Cancel

Copy From

10001

Primary

11/25/2020

11/25/2020

...

LB-A1

TR01

Last Purchase Price

Contents

Attachments

Sales Employee

-No Sales Employee-

Journal Remarks

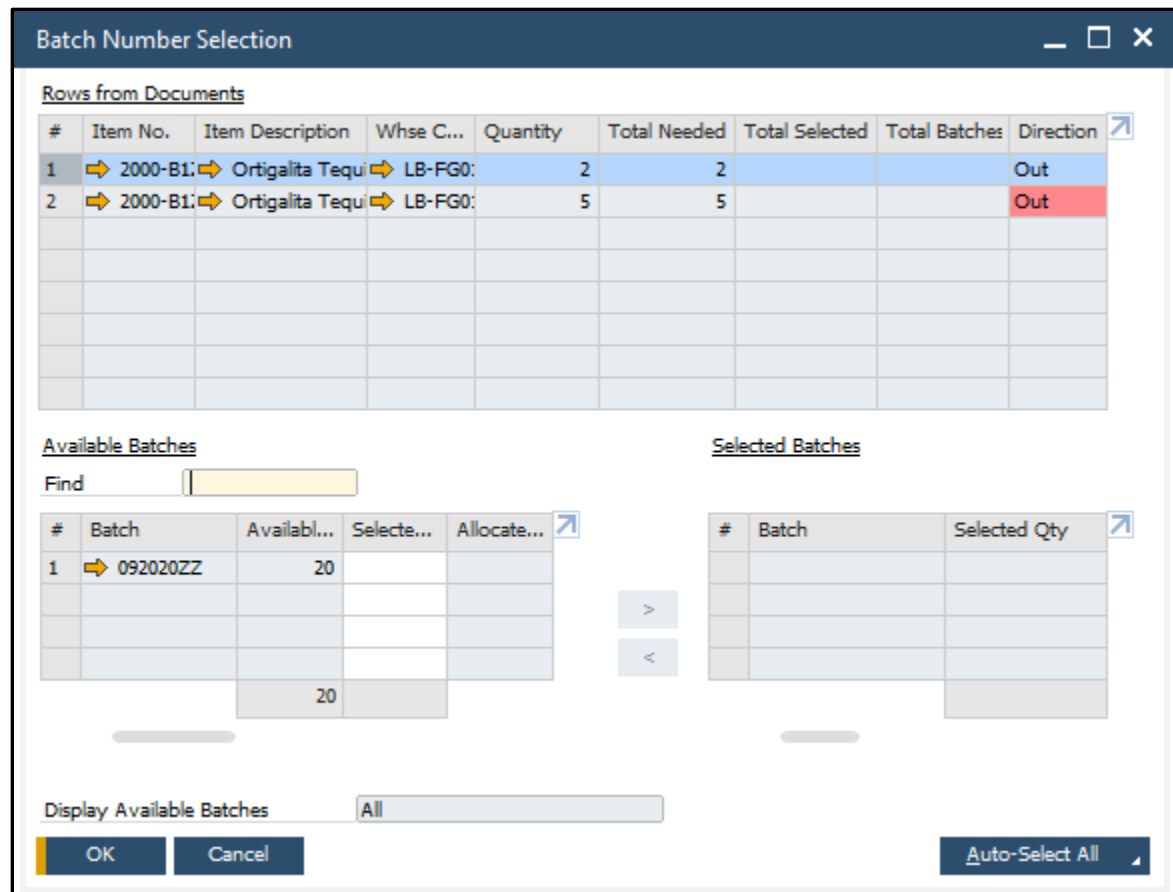
Inventory Transfers -

Remarks

Add

Cancel

Copy From

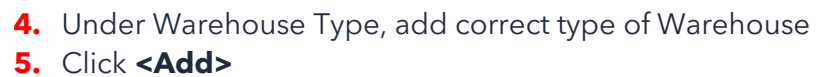


-
- A blue silhouette of a truck with a white wheat sheaf logo on its side, parked on a grey road.



1. Add new Warehouse Code
2. Add new Warehouse Name/Description
3. Go to View (Main Menu Bar) > User Defined Fields

33

[illegible]

- 34



Item Master Data

Item No. Manual RG2000 Active ☒ Inventory Item ☐ Sales Item ☒ Purchase Item

Description Grain - Estate Grain

Foreign Name

Item Type Items Brand

Item Group RM: Grains Pack Type

UoM Group Manual Bar Code

Price List Bars & Restaurants Unit Price Primary Curr

Process Type None

Gen... Purchasing D... Sales D... Inventory D... Planning D... Production D... Proper... Attachments Remarks Batches

Set G/L Accounts By Item Group ☒ Manage Inventory by Warehouse

UoM Name LB

Weight

Valuation Method Moving

Whse ... Whse Na... Locked In

1 LB-A1 Los Banos- M ☐

2 M-A1 Modesto- W ☐

3 ☐

List of Warehouses

Find

#	Warehouse Code	Warehouse Name
1	A1	Main Warehouse
2	B99	Bright Tank - DEFAULT
3	BL99	Blending Tank- DEFAULT (Storage)
4	BP99	Bottle Proofing Tank - DEFAULT (Processing)
5	F99	Fermenter - DEFAULT
6	HT99	Holding Tank - DEFAULT
7	LB-A1	Los Banos- Main Warehouse
8	LB-BH01	Brew House 1
9	LB-BH02	Brew House 2- Coffee
10	LB-BT01	Bright Tank 1

Choose Cancel New

Set Default Whse

6. To verify the Warehouse was correctly added:
 - a. Via Item Master Data, find an item that was added to the new Warehouse
 - b. Verify Warehouse has successfully been added under the Inventory tab





Useful Production Reports

Reports by Persona

<http://support.orchestrated.com/hc/en-us/articles/219972028-Reports-by-Persona>

Production > Production Reports >

TTB DRO Reporting

Production > Production Reports
>Orchestrated Reports >

QC Reports

- Packaging Volumes
- Filtration by Batch
- Cooking Data by Batch
- Air Tet
- Batch QC

Production > Production Reports >Orchestrated Reports >

Production Dashboard

- Daily production for distilling and packaging
- Capacity utilization
- Raw Material Status
- Current Production Orders (past due | partially completed | scheduled today, tomorrow, future)

Production > Production Reports
>Orchestrated Reports >

Inventory Item Trace

- Aka "Where Used"

Production > Production
Reports >Orchestrated Reports
>

Indented Costed BOM

- Helpful for setting up and troubleshooting BoMs and BoM costs

Production > Production Reports
>Orchestrated Reports >

Production Cost Analysis by Item

- Know your production costs!

