

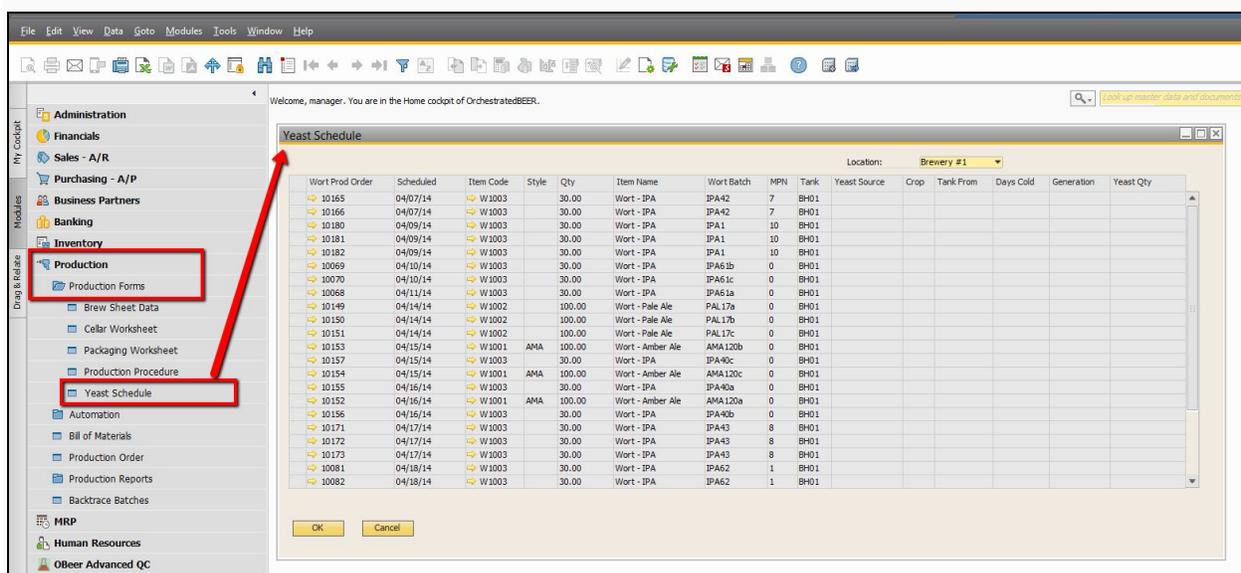


Summary

The Yeast Scheduler consists of two main areas, the Yeast Schedule & Selection screens and the fields on the Brew Sheet that display the yeast linked to the production order. The main purpose of the Yeast Scheduler is to allow the user to easily see all batches of beer in fermenter that can be used as a source of yeast for brews that are planned, and then to select the desired batch, thereby linking it to the brewing production orders.

Launching the Yeast Scheduler

In Main Menu, go to Production > Production Forms > Yeast Schedule



Yeast Schedule Screen

The Yeast Schedule screen opens up on a screen that displays all the existing planned or released production orders for brewing. On this screen we display the following fields:



Wort Prod Order	Scheduled	Item Code	Style	Qty	Item Name	Wort Batch	MPN	Tank	Yeast Source	Crop	Tank From	Days Cold	Generation	Yeast Qty
PdO #	Prod Date	Wort Item	Style linked to wort item	Qty on PdO	Wort name	Wort Batch	Master Production #	Brewhouse or Fermenter for brew	Batch of beer in tank already selected	crop ID of yeast already selected	Tank the yeast is coming from if already selected	Number of days the beer in tank has been cold	number of times the crop has been used previously	volume of yeast to use

The fields above all relate to the Wort Production orders already in the system

The fields above display any yeast info for Wort orders where the Yeast was already scheduled on the Yeast Scheduler

Screenshot of the Yeast Selection Screen

Yeast Schedule

Location: Brewery #1

Wort Prod Order	Scheduled	Item Code	Style	Qty	Item Name	Wort Batch	MPN	Tank	Yeast Source	Crop	Tank From	Days Cold	Generation	Yeast Qty
10165	04/07/14	W1003		30.00	Wort - IPA	IPA42	7	BH01						
10166	04/07/14	W1003		30.00	Wort - IPA	IPA42	7	BH01						
10180	04/09/14	W1003		30.00	Wort - IPA	IPA1	10	BH01	AMA110	y41	F14		4	0.00
10181	04/09/14	W1003		30.00	Wort - IPA	IPA1	10	BH01						0.00
10069	04/10/14	W1003		30.00	Wort - IPA	IPA61b	0	BH01						
10070	04/10/14	W1003		30.00	Wort - IPA	IPA61c	0	BH01						
10068	04/11/14	W1003		30.00	Wort - IPA	IPA61a	0	BH01						
10149	04/14/14	W1002		100.00	Wort - Pale Ale	PAL17a	0	BH01						
10150	04/14/14	W1002		100.00	Wort - Pale Ale	PAL17b	0	BH01						
10151	04/14/14	W1002		100.00	Wort - Pale Ale	PAL17c	0	BH01						
10153	04/15/14	W1001	AMA	100.00	Wort - Amber Ale	AMA120b	0	BH01						
10157	04/15/14	W1003		30.00	Wort - IPA	IPA40c	0	BH01						
10154	04/15/14	W1001	AMA	100.00	Wort - Amber Ale	AMA120c	0	BH01						
10155	04/16/14	W1003		30.00	Wort - IPA	IPA40a	0	BH01						
10152	04/16/14	W1001	AMA	100.00	Wort - Amber Ale	AMA120a	0	BH01						
10156	04/16/14	W1003		30.00	Wort - IPA	IPA40b	0	BH01						
10171	04/17/14	W1003		30.00	Wort - IPA	IPA43	8	BH01						
10172	04/17/14	W1003		30.00	Wort - IPA	IPA43	8	BH01						
10173	04/17/14	W1003		30.00	Wort - IPA	IPA43	8	BH01						
10081	04/18/14	W1003		30.00	Wort - IPA	IPA62	1	BH01						
10082	04/18/14	W1003		30.00	Wort - IPA	IPA62	1	BH01						

OK Cancel

In the above example, you can see the Wort production orders that are displayed. The highlighted row is a Wort production order where the Yeast has already been Scheduled. You can see that we are planning to use yeast from Batch AMA110, which is Crop 41 and comes from tank F14. The Days Cold in this example is blank, because the tank has not yet been chilled.

Now, we'll schedule the yeast for production order 10165, the first row in the example above. To open the Yeast Selection screen, you **double-click on the row of the production order you want to schedule**. This will open the Yeast Selection Screen.

Yeast Selection Screen



The Yeast Selection screen displays all the batches of beer in fermenter that are available for Yeast Scheduling. The data displayed in this table is all about the batch of beer in each tank and the data needed to make a good decision about which yeast source to use.

The fields on this table are as follows:

Batch	Tank	BBLs in Tank	Item Code	Style	Gen	Days Cold	Pitches	Chilled	Planned Chill	Transfer Date	Doc Num	Crop
Batch of beer in tank	Tank the beer is currently in	Volume of beer in the tank	Item Code	Style of Beer	Generation of the yeast (# of times the crop has been used in a cycle)	Number of days the beer has been cold	Volume of beer in tank needed for the volume of beer being produced (not commonly used)	Date the beer was flagged as being chilled on the Fermentation QC	Date the beer should have been chilled, based on the target on the style master for that beer	Date the beer came into stock in that tank	Document # the beer came into stock from	Crop ID of the yeast, typically assigned at initial creation of the yeast and used to help track generations.

Screen shot of the Yeast Selection Screen

Batch	Tank	BBLs in Tank	ItemCode	Style	Gen	Days Cold	Pitches	Chilled	Planned Chill	Transfer Date	DocNum	Crop
AMA 100	F02	102.00	GB1001	AMA	3	3		04/22/14	02/12/14	02/07/14	10001	y44
AMA 110	F14	110.00	GB1001	AMA	4	0		04/25/14	02/12/14	02/07/14	10027	y41
AMA 106	F15	102.00	GB1001	AMA	5				02/12/14	02/07/14	10025	y42
765-78	Y01	2.00	RMY7001							02/07/14	10050	

Choose Cancel

To select a batch of beer to use as your yeast source, you double click the row you want to use. In our example above, we're going to choose batch AMA100, where the beer has been chilled for 0 days (it has not yet been chilled).

Now you can see on the main Yeast Screen that the yeast source has been linked to my Wort production order



Wort Prod Order	Scheduled	Item Code	Style	Qty	Item Name	Wort Batch	MPN	Tank	Yeast Source	Crop	Tank From	Days Cold	Generation	Yeast Qty
10165	04/07/14	W1003		30.00	Wort - IPA	IPA42	7	BH01	AMA110	y41	F14	0	4	
10166	04/07/14	W1003		30.00	Wort - IPA	IPA42	7	BH01						
10182	04/09/14	W1003		30.00	Wort - IPA	IPA1	10	BH01						
10180	04/09/14	W1003		30.00	Wort - IPA	IPA1	10	BH01	AMA100	y44	F02	3	3	0.00
10181	04/09/14	W1003		30.00	Wort - IPA	IPA1	10	BH01						0.00
10069	04/10/14	W1003		30.00	Wort - IPA	IPA61b	0	BH01						
10070	04/10/14	W1003		30.00	Wort - IPA	IPA61c	0	BH01						
10068	04/11/14	W1003		30.00	Wort - IPA	IPA61a	0	BH01						
10149	04/14/14	W1002		100.00	Wort - Pale Ale	PAL17a	0	BH01						
10150	04/14/14	W1002		100.00	Wort - Pale Ale	PAL17b	0	BH01						
10151	04/14/14	W1002		100.00	Wort - Pale Ale	PAL17c	0	BH01						
10153	04/15/14	W1001	AMA	100.00	Wort - Amber Ale	AMA120b	0	BH01						
10157	04/15/14	W1003		30.00	Wort - IPA	IPA40c	0	BH01						
10154	04/15/14	W1001	AMA	100.00	Wort - Amber Ale	AMA120c	0	BH01						
10155	04/16/14	W1003		30.00	Wort - IPA	IPA40a	0	BH01						
10152	04/16/14	W1001	AMA	100.00	Wort - Amber Ale	AMA120a	0	BH01						
10156	04/16/14	W1003		30.00	Wort - IPA	IPA40b	0	BH01						
10171	04/17/14	W1003		30.00	Wort - IPA	IPA43	8	BH01						
10172	04/17/14	W1003		30.00	Wort - IPA	IPA43	8	BH01						

Yeast Display on Brew Sheet

Now that we have selected the yeast source for Production Order 10165, we will open up the Brew Sheet and see how it is displayed to the brewer.

Below, we can see that when highlighting PdO 10165, the yeast fields in the center of the Brew Sheet display the yeast that we selected.

The Brew Sheet interface shows a table of production orders. The selected order (PdO 10165) is highlighted. The yeast fields in the center of the Brew Sheet display the yeast that was selected for this order.

Production	Wort	Green Beer	Brew Progress Chart	Location	Brewery #1	Start Date	04/20/13	End Date	04/26/14	Refresh Matrix	User:	Status	Released
Express	S	Tank	Prod #	Item Code	Brand	Batch	MPN	Prod. Date	Prod. Time	Plan Qty	ISSUED	RECE.	
Issue	R	BH01	10165	W1003	IPA	IPA42	7	04/07/14	3:25PM	30.00			
Receipt	R	BH01	10180	W1003	IPA	IPA1	10	04/09/14	1:53PM	30.00			
Status	R	BH01	10181	W1003	IPA	IPA1	10	04/09/14	1:53PM	30.00			
QC Data	R	BH01	10182	W1003	IPA	IPA1	10	04/09/14	1:53PM	30.00			
Brew QC	R	BH01	10167	W1011	RIA	RIA100		04/10/14		1.00			
Micro QC	R	BH01	10069	W1003	IPA	IPA61b	0	04/10/14	12:00PM	30.00			
Recipe	R	BH01	10070	W1003	IPA	IPA61c	0	04/10/14	2:00PM	30.00			
Adjust	R	BH01	10064	W1001	AMA	AMA34b	0	04/11/14	8:00AM	100.00			
Timing	R	BH01	10065	W1001	AMA	AMA34c	0	04/11/14	10:00AM	100.00			
	R	BH01	10068	W1003	IPA	IPA61a	0	04/11/14	10:00AM	30.00			
	R	BH01	10066	W1001	AMA	AMA34d	0	04/11/14	12:00PM	100.00			
	R	BH01	10149	W1002	PAL	PAL17a	0	04/14/14	9:43AM	100.00			
	R	BH01	10150	W1002	PAL	PAL17b	0	04/14/14	11:43AM	100.00			
	R	BH01	10151	W1002	PAL	PAL17c	0	04/14/14	1:43PM	100.00			
	R	BH01	10153	W1001	AMA	AMA120b	0	04/15/14	11:44AM	100.00			
	R	BH01	10154	W1001	AMA	AMA120c	0	04/15/14	1:44PM	100.00			
	R	BH01	10157	W1003	IPA	IPA40c	0	04/15/14	1:44PM	30.00			
	R	BH01	10155	W1003	IPA	IPA40a	0	04/16/14	9:44AM	30.00			
	R	BH01	10156	W1003	IPA	IPA40b	0	04/16/14	11:44AM	30.00			
	R	BH01	10171	W1003	IPA	IPA43	8	04/17/14	9:30AM	30.00			
	R	BH01	10172	W1003	IPA	IPA43	8	04/17/14	10:30AM	30.00			
	R	BH01	10173	W1003	IPA	IPA43	8	04/17/14	11:30AM	30.00			
	R	BH01	10081	W1003	IPA	IPA62	1	04/18/14	10:05AM	30.00			
	R	BH01	10082	W1003	IPA	IPA62	1	04/18/14	12:05PM	30.00			
	R	BH01	10083	W1003	IPA	IPA62	1	04/18/14	2:05PM	30.00			
	R	BH01	10158	W1003	IPA	IPA41	0	04/21/14	8:00AM	30.00			
	R	BH01	10159	W1003	IPA	IPA41	0	04/21/14	10:00AM	30.00			
	R	BH01	10160	W1003	IPA	IPA41	0	04/21/14	12:00PM	30.00			

Yeast ID: AMA110 Yeast Crop: y41 Yeast Qty: 0
Yeast Tank: F14 Yeast Gen: 4

ItemCode	Plan Qty	UoM	Item Name	Type	Prod UoM	Prod Qty
RM5005	1,000.00	lb	Malt 2-Row Bulk	RM: Malt		0.00
RM5028	200.00	lb	Mars Otter supersaw RM	RM: Malt		0.00
RM5024	100.00	lb	Malt C-45	RM: Malt		0.00
RM5006	50.00	lb	Hops - Cascade	RM: Hops		0.00

Yeast Scheduler Setup

There is only one setup needed for Yeast Scheduler, as seen below.

There is a flag on the item master that determines whether production orders will show up for yeast scheduling and which batches are available to use a source of yeast.



The yeast flag is a (UDF) User Defined Field (to view UDFs, go to View > User Defined Fields)

The Allow Yeast Scheduling Flag needs to be set on both the Wort items you want to schedule, and for the Green Beer items you want to use as a source of yeast.

The purpose of this flag is to limit certain beers to not be used as a source of yeast. Some breweries never use dry hopped beers as a source of yeast, for example, so you would set this flag = "No" to prevent that beer from being used in Yeast Scheduling.

The screenshot shows the 'Item Master Data' window for item GB1001, 'Green Beer - Amber Ale'. The 'General' tab is active. The 'Allow Yeast Scheduling' flag is set to 'Y'. The 'Production Data' section shows 'Issue Method' set to 'Manual'. The 'Properties' section shows 'Tax Liab' checked and 'Dg Not Apply Discount Groups' unchecked. The 'Advanced' radio button is selected under the 'Active' section.

Field	Value
Item No.	Manual GB1001
Description	Green Beer - Amber Ale
Item Type	Items
Item Group	WIP: Green Beer
UoM Group	Manual
Price List	Price List 01
Process Type	Fermentation
Style Type	AMA
Inventory Item	<input checked="" type="checkbox"/>
Sales Item	<input type="checkbox"/>
Purchase Item	<input type="checkbox"/>
TTB Group	
Pack Type	
Style Short Code	AMA
Exclude from TTB BRO	N
Process Type	Fermentation
Lead Minutes	0
Lead Hours	0
Production UoM	0.00
Production UoM Conversion	0.00
Next Batch Number	
Allow Yeast Scheduling	Y
CoreSuite Mobile Filter	Includes the Object
Weight Control Portal	
Show Item in Portal	
Use In Spent Grain Report	N

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