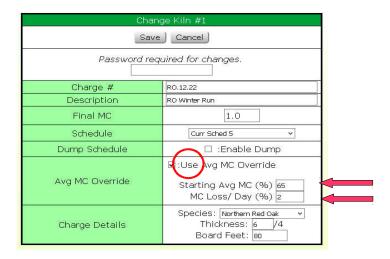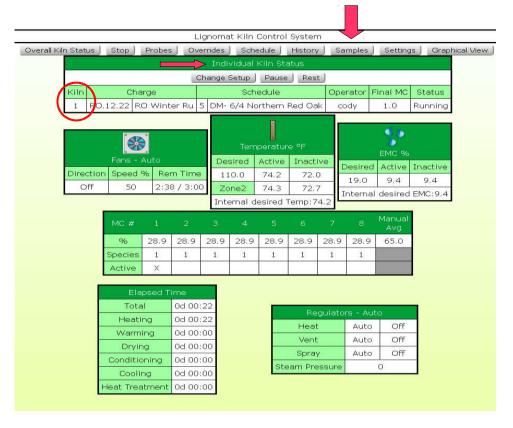## How to use the Samples and Manual MC Override features.
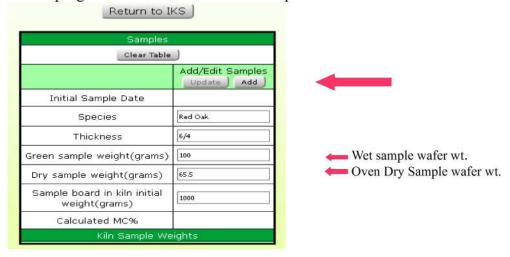
1.   Select the desired kiln number from the Overall Kiln Status **(OKS)**.

2.   When starting a kiln check the "Use manual MC Override" check box to run MC schedules based on your samples. Specify "Starting Avg. MC" (starting point in MC schedule) & "MC Loss/Day" (schedule progress rate).
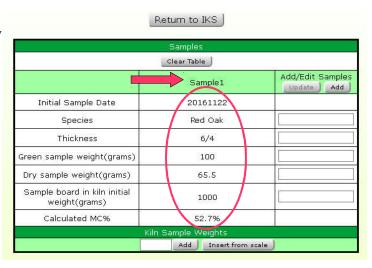

3.   In the Individual Kiln Status Screen **(IKS)**, Click "Samples" button in to enter Samples page.

4.   In the samples page, set up your first sample by entering the individual sample information, then click the "add" button, in the top right corner under "Add/Edit Samples".

5.   First samples information is added as seen below.

6.   Keep in mind that you can navigate away from the page without losing your sample data. The "Clear Table" button will clear the whole table when desired for the next charge (password required). You can also hover your mouse over the sample number label at the top of the column ("Sample 1" in the pic) to edit or delete a sample column at any time.
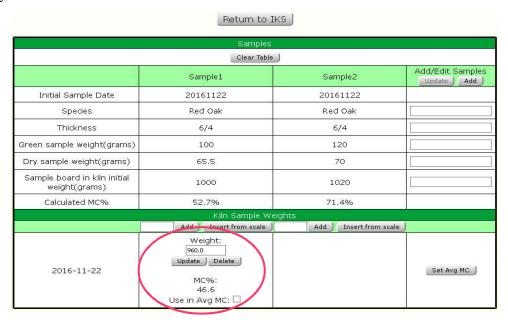

7.   Example below of a second samples information added. Repeat step 4 for each sample. (unlimited sample quantity)
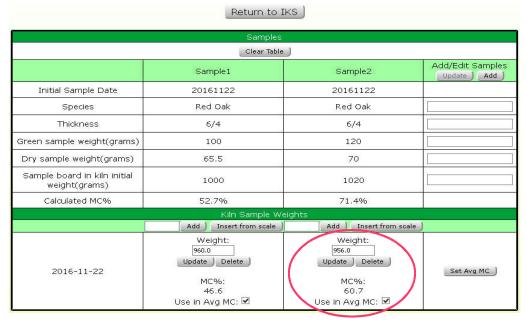
8.   With a sample scale connected to your network or MP32, click "Insert from scale" button in the samples designated column to enter sample weight. If using a separate scale, type the sample weight in the data box then click the "add" button.

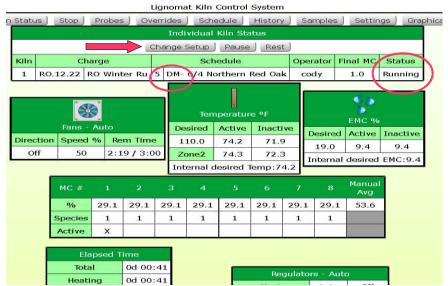9.   Below, the first sample weight for Sample 1 has been added.
You will see the calculated MC% and the option to use this sample in your Avg. MC%. Note loss/day is not calculated yet.
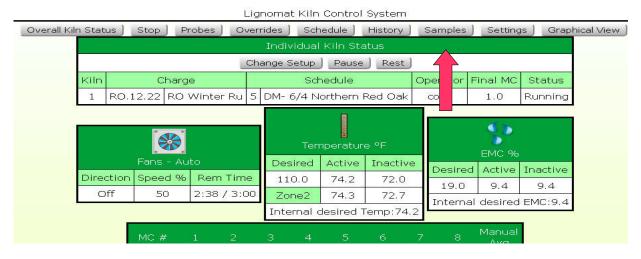
10. Sample #2 added.

11.   If you are at this point with a running kiln, verify you're running a MC based schedule (DM) and "Use Avg MC Override" is enabled in the "Change Setup" page (2nd pic below) by clicking "Change Setup" button.

12.   If starting a kiln using sample MC% data. Make sure the schedule you choose from your library is an MC based schedule, and the "Use Avg MC Override" box is checked in the "Start Kiln" page. "Starting Avg. MC" and "MC Loss/ Day" can be left blank at this point as the schedule starts in heating up and warming thru segments. MC% data is not required for these segments.

13.   Once the kiln is started, click the "Samples" button from the IKS screen. This will take you back to your samples setup page from step #10.

14.   Use desired sample MC's in Avg MC by checking the box, then click the "Set Avg MC" button.

15.   You will then be prompted to enter a "Loss/Day value.
This determines schedule progression speed.

16. Navigate back to the IKS screen and you will see the "Manual Avg" MC% equals your samples average. Your MC based schedule is now advancing at your desired loss/day from this MC%

17.   To continue adding sample weights, navigate back to the "Samples" page from the IKS page.

	Sample1	Sample2	Add/Edit Samples
			Update Add
Initial Sample Date	20161122	20161122	
Species	Red Oak	Red Oak	
Thickness	6/4	6/4	
Green sample weight(grams)	100	120	
Dry sample weight(grams)	65.5	70	
Sample board in kiln initial weight(grams)	1000	1020	
Calculated MC%	52.7%	71.4%	

Kiln Sample Weights

	Add Insert from scale	Add Insert from scale	
2016-11-22	Weight: 960.0 Update Delete MC%: 46.6 Use in Avg MC: ☑	Weight: 956.0 Update Delete MC%: 60.7 Use in Avg MC: ☑	Set Avg MC

18.   Place sample on scale and use the insert from scale button or add button as described on instruction number 8.

19.   Each time you add a weight with the "Add" or "Insert from Scale" button it adds a row, one at a time for the respective sample column. The option to "Set Avg MC" is always available in the last row of column segments.

Return to IKS

Samples

Clear Table

	Sample1	Sample2	Add/Edit Samples
			Update Add
Initial Sample Date	20161122	20161122	
Species	Red Oak	Red Oak	
Thickness	6/4	6/4	
Green sample weight(grams)	100	120	
Dry sample weight(grams)	65.5	70	
Sample board in kiln initial weight(grams)	1000	1020	
Calculated MC%	52.7%	71.4%	

Kiln Sample Weights

	Add Insert from scale	Add Insert from scale	
2016-11-23	960.0 46.6	956.0 60.7	
2016-11-23	850.0 29.8 -16.8	880.0 47.9 -12.8	
2016-11-23	800.0 22.1 -7.6	810.0 36.1 -11.8	
2016-11-23	740.0 13.0 -9.2	750.0 26.1 -10.1	Set Avg MC

20.   As you hover your mouse over a row of sample weights/values, the row expands to give you more information and options for the row, and collapses as your mouse leaves the row.

21.   The picture below has an expanded last row showing options and added info.

| | Return to IKS | |

Samples			
	Clear Table		
	Sample1	Sample2	Add/Edit Samples Update Add
Initial Sample Date	20161122	20161122	
Species	Red Oak	Red Oak	
Thickness	6/4	6/4	
Green sample weight(grams)	100	120	
Dry sample weight(grams)	65.5	70	
Sample board in kiln initial weight(grams)	1000	1020	
Calculated MC%	52.7%	71.4%	
Kiln Sample Weights			
	[ ] Add Insert from scale	[ ] Add Insert from scale	
2016-11-23	960.0 46.6	956.0 60.7	
2016-11-23	850.0 29.8 -16.8	880.0 47.9 -12.8	
2016-11-23	800.0 22.1 -7.6	810.0 36.1 -11.8	
2016-11-23	Weight: 740.0 Update Delete MC%: 13.0 (loss/day): -9.2 Use in Avg MC: ☐	Weight: 750.0 Update Delete MC%: 26.1 (loss/day): -10.1 Use in Avg MC: ☐	Set Avg MC

22. **If you have multiple sample scales connected to your network**, select the correct sample scale from the drop down menu before you start inserting sample weights using the "Insert from Scale" button.

	Return to IKS		
	Samples		
	Clear Table		
	Sample1	Sample2	**Add/Edit Samples** Update Add
Initial Sample Date	20161122	20161122	
Species	Red Oak	Red Oak	
Thickness	6/4	6/4	
Green sample weight(grams)	100	120	
Dry sample weight(grams)	65.5	70	
Sample board in kiln initial weight(grams)	1000	1020	
Calculated MC%	52.7%	71.4%	
	Kiln Sample Weights		
Select an IP scale: 10.1.1.255 ▾	___ Add Insert from scale	___ Add Insert from scale	
2016-11-23	960.0 46.6	956.0 60.7	
2016-11-23	850.0 29.8 -16.8	880.0 47.9 -12.8	
2016-11-23	800.0 22.1 -7.6	810.0 36.1 -11.8	
2016-11-23	740.0 13.0 -9.2	750.0 26.1 -10.1	Set Avg MC

For further questions on how to use the Samples feature please call Lignomat at
503-257-3708