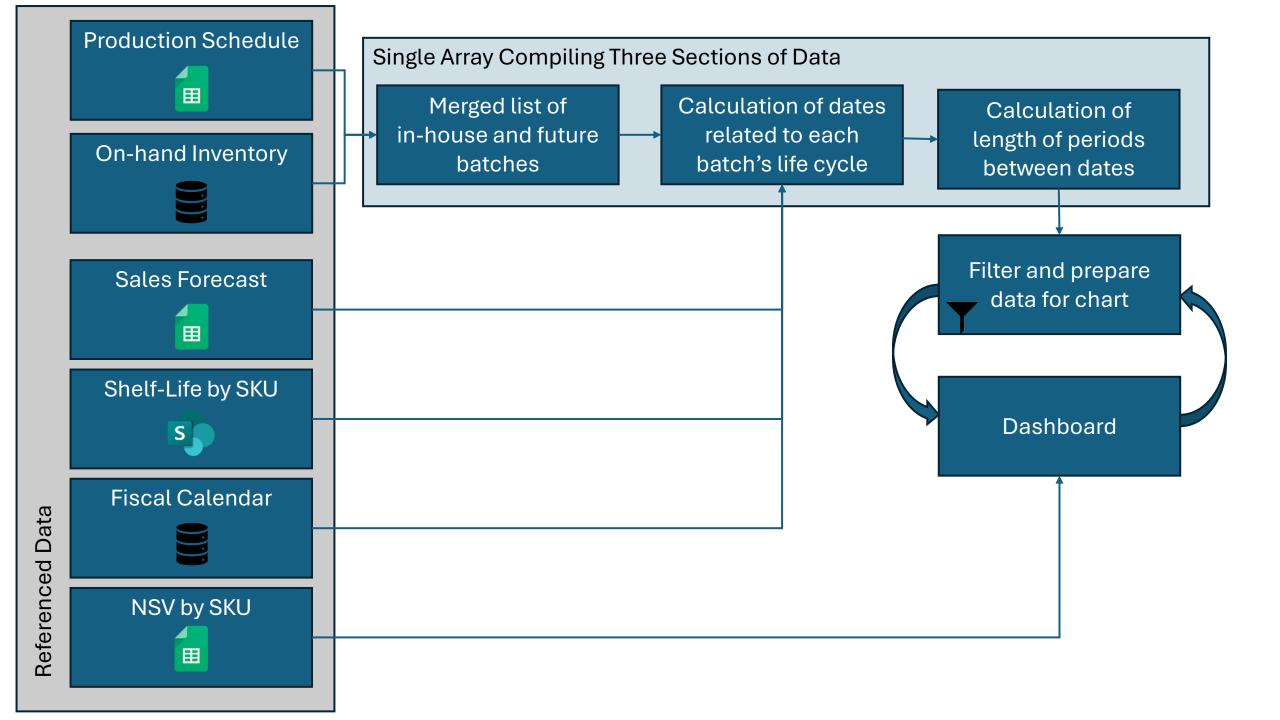
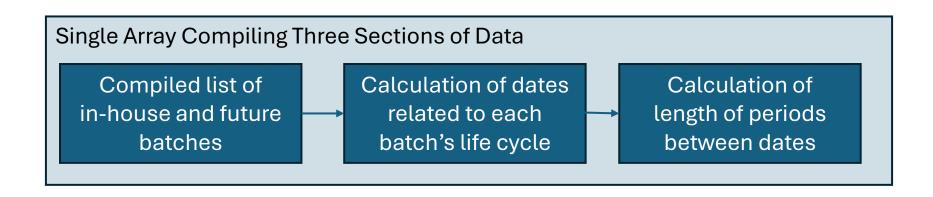
### Data Structure

Shows the data that is merged to create the final product



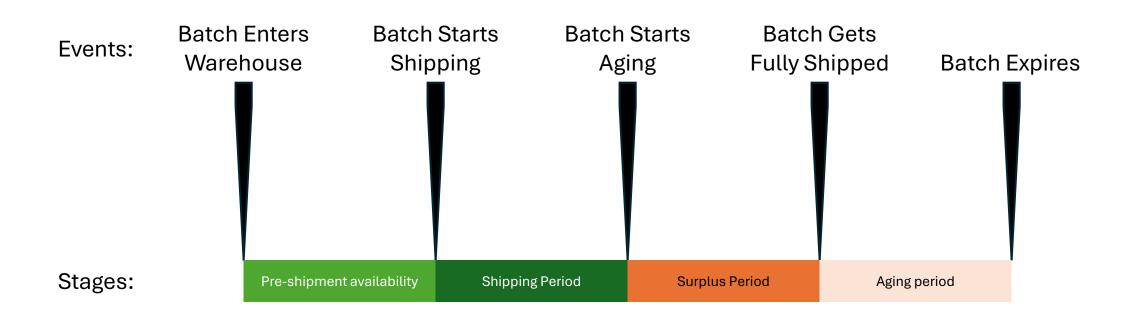
### Batch Lifecycle at a DC

Shows how a batch's lifecycle is represented on the dashboard

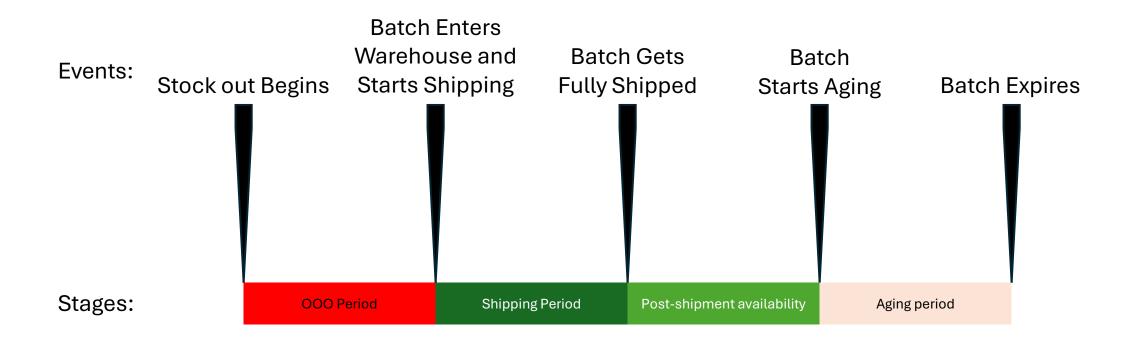




### Batch's Lifecycle at a DC: Surplus Scenario



### Batch's Lifecycle at a DC: Stock Out Scenario



Max Table Results: 14

Suplus Forecast by SKU and Lot - and -Shipment Simulator

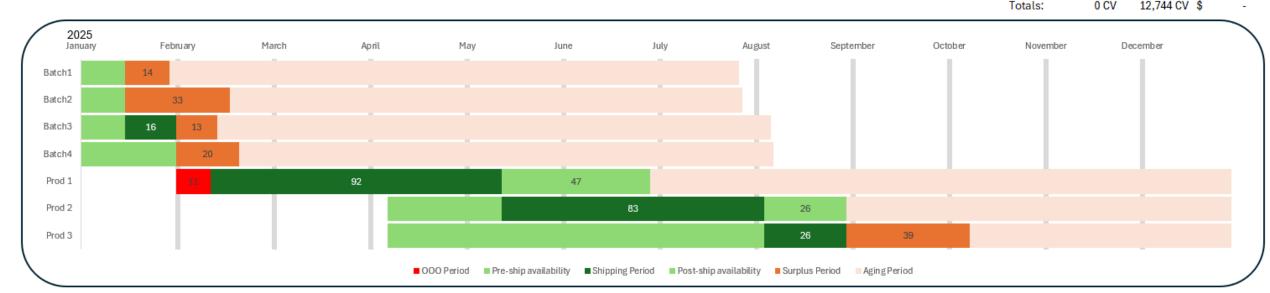
### Select Productions by Date Range

Start 1/5/25 End 7/27/25

Select SKU:

Anonymous Product

able nesults.									•	•	•			
	On Hand	Production	Production	Default		Surplus Sell-			Aging %	Aging	Extension			
Lots / Prods	Qty	Qty Change	<b>Date Change</b>	Aging Date	Sell-to Date	to Date	Days	Start	End	Extension	qty	Surplus Qty		NSV
Batch1	1,281 CV			1/1/2025	1/1/2025	1/30/2025	29	53%	57%		0 CV	1,376 CV	\$	-
Batch2	2,976 CV			1/1/2025	1/1/2025	2/18/2025	48	53%	58%		0 CV	2,931 CV	\$	-
Batch3	2,728 CV			2/1/2025	2/1/2025	2/14/2025	13	52%	52%		0 CV	1,192 CV	\$	-
Batch4	1,848 CV			2/1/2025	2/1/2025	2/21/2025	20	52%	52%		0 CV	1,787 CV	\$	-
Prod 1	10,994 CV			7/1/2025	7/1/2025	5/15/2025	0	59%	59%		0 CV	0 CV	\$	-
Prod 2	10,994 CV			9/1/2025	9/1/2025	8/6/2025	0	58%	58%		0 CV	0 CV	\$	-
Prod 3	8,688 CV			9/1/2025	9/1/2025	10/10/2025	39	58%	58%		0 CV	5,459 CV	\$	-
													\$	-
													\$	-
													\$	-
													\$	-
													\$	-
													\$	-
													\$	-
										Totale	0.07	12 744 CV	ė.	



Max Table Results: 14

Suplus Forecast by SKU and Lot - and -Shipment Simulator

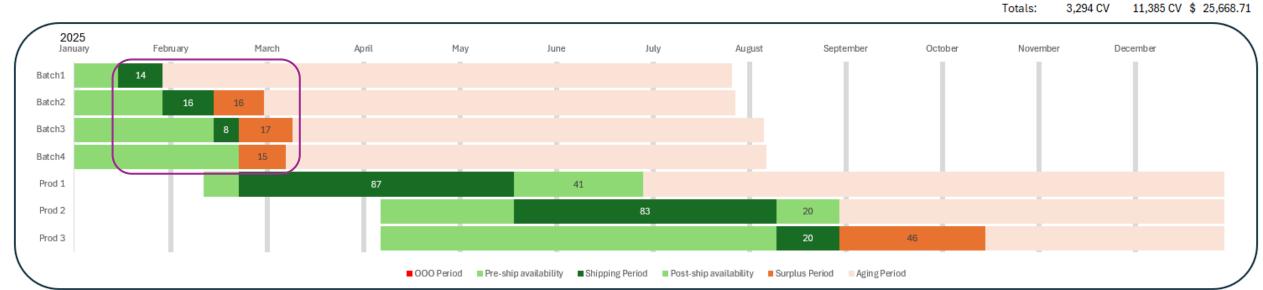
### Select Productions by Date Range

Start 1/5/25 End 7/27/25

Select SKU:

**Anonymous Product** 

	On Hand	Production	Production	Default		Surplus Sell-			Aging %	Aging	Extension			NOV
Lots / Prods	Qty	Qty Change	Date Change	Aging Date	Sell-to Date	to Date	Days	Start	End	Extension	qty	Surplus Qty		NSV
Batch1	1,281 CV			1/1/2025	1/30/2025	1/30/2025	29	53%	49%	29	1,376 CV	0 CV	\$ :	10,721.18
Batch2	2,976 CV			1/1/2025	2/15/2025	3/3/2025	61	53%	45%	45	1,442 CV	1,373 CV	\$ :	11,233.75
Batch3	2,728 CV			2/1/2025	2/23/2025	3/12/2025	39	52%	45%	22	477 CV	2,050 CV	\$	3,713.78
Batch4	1,848 CV			2/1/2025	2/23/2025	3/10/2025	37	52%	46%	22	0 CV	1,687 CV	\$	-
Prod 1	10,994 CV			7/1/2025	7/1/2025	5/21/2025	0	59%	59%		0 CV	0 CV	\$	-
Prod 2	10,994 CV			9/1/2025	9/1/2025	8/12/2025	0	58%	58%		0 CV	0 CV	\$	-
Prod 3	8,688 CV			9/1/2025	9/1/2025	10/17/2025	46	58%	58%		0 CV	6,275 CV	\$	-
													\$	-
													\$	-
													\$	-
													\$	-
													\$	-
													\$	-
													\$	-



Max Table Results: 14

Suplus Forecast by SKU and Lot - and -Shipment Simulator

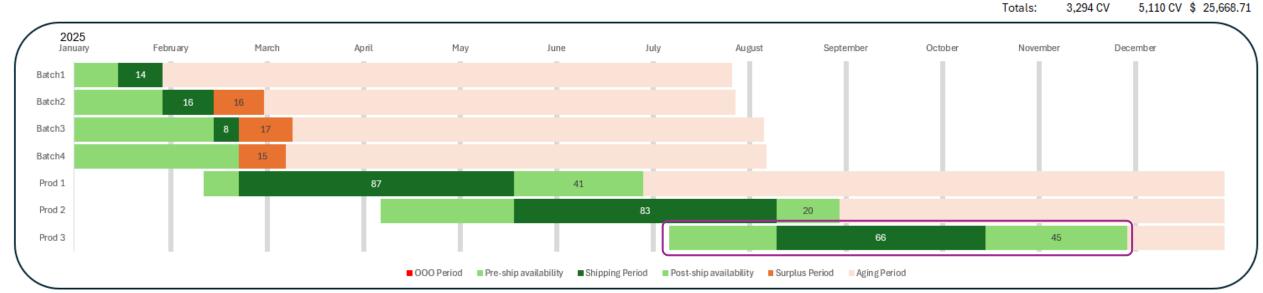
### Select Productions by Date Range

Start 1/5/25 End 7/27/25

Select SKU:

**Anonymous Product** 

able Results.	DE RESUITS. 14													
	On Hand	Production	Production	Default	Extension	Surplus Sell-	Aging	Aging %	Aging %	Aging	Extension			
Lots / Prods	Qty	<b>Qty Change</b>	<b>Date Change</b>	<b>Aging Date</b>	<b>Sell-to Date</b>	to Date	Days	Start	End	Extension	qty	Surplus Qty	N°	SV
Batch1	1,281 CV			1/1/2025	1/30/2025	1/30/2025	29	53%	49%	29	1,376 CV	0 CV	\$ 10,	,721.18
Batch2	2,976 CV		1	1/1/2025	2/15/2025	3/3/2025	61	53%	45%	45	1,442 CV	1,373 CV	\$ 11,	,233.75
Batch3	2,728 CV			2/1/2025	2/23/2025	3/12/2025	39	52%	45%	22	477 CV	2,050 CV	\$ 3,	,713.78
Batch4	1,848 CV		1	2/1/2025	2/23/2025	3/10/2025	37	52%	46%	22	0 CV	1,687 CV	\$	- '
Prod 1	10,994 CV			7/1/2025	7/1/2025	5/21/2025	0	59%	59%		0 CV	0 CV	\$	- '
Prod 2	10,994 CV			9/1/2025	9/1/2025	8/12/2025	0	58%	58%		0 CV	0 CV	\$	- '
Prod 3	8,688 CV		91	9/1/2025	9/1/2025	10/17/2025	46	58%	33%		0 CV	0 CV	\$	- '
									/				\$	-
													\$	-
		/											\$	-
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													\$	-
													\$	-
	•									T 1 1 1	0.004.00/	F 440 0V	4 05	000 74



### Calculation of the Fully Shipped date Step 1: Sales in First Month

### Calculation

```
MIN(Batch qty, (Net Workdays / Start Month Total Workdays) * Start Month Sales Forecast)
Net Workdays = Start Date to Fiscal Calendar Month End
MIN(5000, (Jan 15 to Feb 2 / 25) *2000)
MIN (5000, (13/25) * 2000)
MIN(5000, 1040)
= 1040
```

### **Referenced Data**

Fiscal Calendar D	ata For Jan	Sales Forecast by Month				
Total Workdays	25	January	2,000 CV			
Next Month Start	Feb 2					

<b>Compiled List of Batches</b>				
Batch qty	5,000 CV			
Start Date	Jan 15			

# Calculation of the Fully Shipped Date Step 2a: Months Shipped

### **Referenced Data**

Compiled List of Batches				
Batch qty	5,000 CV			
Start Month	January			

### **Previous Calculation**

Sales in Jan 1,040 CV

### Calculation

Sales in Jan + Sales in Feb + Sales in March > Batch Qty 1,040 + 3,000 + 3,000 > 5,000So, Months to sell in = 3

Sales	Forecast by	v Month
		,

January	2,000 CV
February	3,000 CV
March	3,000 CV
April	2,000 CV

Scan until Batch qty < Running Sum of Sale Forecast

## Calculation of the Fully Shipped date Step 2b: Sales in Middle Month(s)

### **Referenced Data**

Previous Calculations				
Months Shipped 3				
Start Month	January			

	Sales Forecast by Month						
	January	2,000 CV					
<b>&gt;</b>	February	3,000 CV					
	March	3,000 CV					
	April	2,000 CV					

### **Calculation**

If Months Shipped > 2, scan to sum Months Shipped – 2 after Start Month

If 3 > 2, scan to sum 3 – 2 months after January

Scan to sum 1 month after January

= 3,000 CV

### Calculation of the Fully Shipped date Step 3: Sales in Last Month

### **Referenced Data**

**Compiled List of Batches** 

**Batch qty** 

5,000 CV

Previous Calculations				
Months Shipped	3			
Sales in 1 <sup>st</sup> Month	1,040 CV			
Sales in Middle Month(s)	3,000 CV			

### **Calculation**

```
If Months Shipped = 1,
Sales in 1<sup>st</sup> Month

Else
Batch Qty – (Sales in 1<sup>st</sup> month + Sales in Middle Month(s))
```

- = Batch Qty (Sales in 1st month + Sales in Middle Month(s))
- =5000 (3000 + 1040)
- = 960

# Calculation of the Fully Shipped Date Step 4: Fully Shipped Date

### **Referenced Data**

Previous Calculations				
<b>Months Shipped</b>	3			
Sales in Last Month	960			

# Fiscal Calendar Data For Mar Total Workdays 20 Month Start Date Mar 2

Sales Forecast by Month
March 3,000 CV

### Calculation

Fully Shipped Date = Start Date + Workdays

If Months Shipped != 1, Start Date = Last Month Start Date Else Start Date = Shipping Start Date

Since Months Shipped = 3, Start Date = Mar 2

Workdays = (Sales in Last Month / March Forecast) \* Workdays in March \*embedded is a logical operator like the one above to identify the month is March

Workdays = (960 / 3,000) \* 20 Workdays = 6.4

Fully Shipped Date = Mar 2 + 6.4 Fully Shipped Date = Mar 11