Item and Lot Expiration, Ship by and Consume by Date

Purpose of this document

This document discusses how bank to track three different aging management values for an Item/ Lot combination.

Ceres Object release 5.00.00 is required for the functionality described in this document.

Table of Contents

Overview

Ceres allows the food bank to track three different aging management values for an Item/ Lot combination. They are, in reverse order:

Lot Expiration Date: The manufacturers / distributers / growers published Lot Expiration date.

Ship by Date: The date by which the food bank must distribute the inventory so the end consumer has time to obtain and use the food prior to the Consume by date.

Consume by Date: The date after which consuming the product is no longer safe. This is typically after the Lot Expiration date. Once this date is reached, the Inventory is no longer Available Inventory in Ceres.

Consume by Date and Lot Expiration date have been available in Ceres since its' initial release. The Ship by Date tracking is a new option.

The Ship by Date is setup and calculates in the same manner as the lot expiration date and lot consumed by date, it is informational only and does not factor into any other processes or calculations within Ceres.

Calculation of Lot Expiration, Ship by and Lot Consume by Date

Model calculations for the three dates above can be established on the Item card. Typically Ceres uses the model calculation to create a suggested Expiration, Ship by and Consume by date when a Lot is created. The receiver can override these suggested dates if needed.

The Expiration Date, Consume By Date, and Ship by Date calculation formulas are setup on the Item Card → Item Tracking FastTab.

In each of the date calculation fields input a formula. Valid examples include

+1M = calculate out 1 month
+25D = calculate out 25 days
+1Y = calculate out 1 year

The formula will be applied and the dates calculated based on the type of transaction as outlined below.

Transactions that support the Expiration Calculation, Consume by Date Calculation, and Ship by Date Calculation fields are:

1. Donation Orders
2. Purchase Orders
3. Agency Orders
4. Item/BOM Journals
5. Lot Information Card
6. Item Ledgers
7. Available Quantity Calculation
8. WAP movements
9. Pick Generation/ Pick reports

Purchase or Donation Order

The Lot Expiration, Lot Consume by Date, and Ship by Date fields on the order are calculated based on the corresponding Date Calculation fields from the Item Card. and the Calculate Lot Dates Based On field from the Purchase & Payables Setup.

The Calculate Lot Dates Based On field has three options:

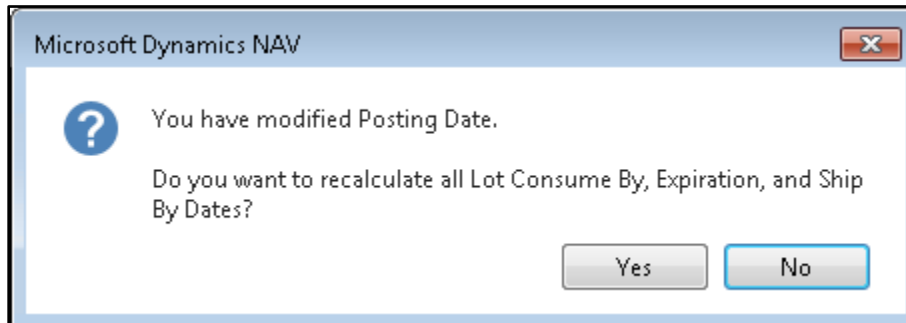**Posting Date -** The Ship by Date is calculated based on the Posting Date.

Order Date - The Ship by Date is calculated based on the Order Date.

Expected Receipt Date - The Ship by Date is calculated based on the Expected Receipt Date.

The Ship by Date field is calculated on the order line once an item is selected; whereas the Lot Expiration Date and the Lot Consume by Date are calculated once the lot is assigned.

Type	No.	Description	Quantity	Location Code	Bin Code	Pallet No.	Lot No.	Lot Expiratio...	Lot Consume By Date	Lot Certificat...	Gross Weight	Ship by Date
Item	10018	Chocolate Sryup	100	KAN	01-101-B ▾		LOT-04240	2/28/2021	5/28/2021		18	11/28/2020

Users can override the date fields manually or the date fields can be updated automatically when the Posting Date, Order Date, or Expected Receipt Date is changed. If the one of those dates is changed, the below message appears. Select Yes to recalculate the Lot Consume By, Expiration, and Ship by Dates, and No to leave the dates as is.

Microsoft Dynamics NAV

You have modified Posting Date.

Do you want to recalculate all Lot Consume By, Expiration, and Ship By Dates?

Yes   No

Type	No.	Description	Quantity	Location Code	Bin Code	Pallet No.	Lot No.	Lot Expiratio...	Lot Consume By Date	Lot Certificat...	Gross Weight	Ship by Date
Item	10018	Chocolate Sryup	100	KAN	01-101-B ▾		LOT-04240	3/5/2021	6/5/2021		18	12/5/2020

If the Ship by Date, Lot Expiration Date, or Lot Consume by Date fields are blank, a date of 12/31/9999 will be assigned and flow to the Lot when the order is posted. If not, whatever date is in each of the fields will flow.

Item Journal

Similar to the Purchase Order of Donation Order, the Ship by Date field is calculated on the journal line with an Entry Type of Positive Adjustment once an item is selected.   The Lot Expiration Date and the Lot Consume by Date default to 12/31/9999 once the lot is assigned and do not recalculate.

Line No.	Posting Date	Entry Type	Document No.	Item No.	Description	Lot Consume by Date	Lot Expiratio...	Ship by Date
10000	2/28/2020	Positive Adj...	IGJ-00309	10018	Chocolate Sryup	5/28/2021	2/28/2021	11/28/2020

All three date fields can be updated manually.   If the Ship by Date, Lot Expiration Date, or Lot Consume by Date fields are blank, a date of 12/31/9999 will be assigned and flow to the Lot when the order is posted. If not, whatever date is in each of the fields will flow.

Item No.	Lot No.	Description	Blocked	Variant Code	Quantity on Hand	Unit Cost	Unit Gross Weight	Receive Date	Consume by Date	Expiration Date	Ship by Date
10018	LOT-02554	Chocolate Sryup	None		500	5.00	18	9/19/2013	8/16/2020	5/16/2020	12/31/9999
10018	LOT-02557	Chocolate Sryup	None		0	5.00	18	11/8/2013	12/31/9999	12/31/9999	12/31/9999
10018	LOT-02558	Chocolate Sryup	None		0	5.95	18	11/8/2013	12/31/9999	12/31/9999	12/31/9999
10018	LOT-02639	Chocolate Sryup	None		0	0.00	18	1/28/2014	12/31/9999	12/31/9999	12/31/9999
10018	LOT-02641	Chocolate Sryup	None		0	0.00	18	1/31/2014	12/31/9999	12/31/9999	12/31/9999
10018	LOT-02646	Chocolate Sryup	None		0	0.00	18	12/21/2012	12/31/9999	12/31/9999	12/31/9999
10018	LOT-02647	Chocolate Sryup	None		0	0.00	18	8/1/2014	12/31/9999	12/31/9999	12/31/9999
10018	LOT-02648	Chocolate Sryup	None		0	0.00	18	8/1/2014	12/31/9999	12/31/9999	12/31/9999
10018	LOT-02841	Chocolate Sryup	None		0	5.00	18	2/18/2015	12/31/9999	12/31/9999	12/31/9999
10018	LOT-02842	Chocolate Sryup	None		0	5.00	18	11/17/2015	12/31/9999	12/31/9999	12/31/9999

BOM Journal

Similar to the Item Journal, the Ship by Date field is calculated on the journal line with an Entry Type of Assembly once an item is selected.   The Lot Expiration Date and the Lot Consume by Date default to 12/31/9999 once the lot is assigned and do not recalculate.

Posting Date	Status	Entry Type	Document No.	Item No.	Description	Lot No.	Lot Consume by Date	Lot Expiratio...	Ship by Date	
2/28/2020	Component...	Assembly	IBJ-00086	FA-KIT-APR19	April 2019 Box	LOT-04242	3/5/2021	12/5/2020	12/31/9999	
2/28/2020	Component...	Assembly	IBJ-00086	FA-KIT-APR19	April 2019 Box	LOT-04243	3/5/2021	12/5/2020	12/31/9999	
2/28/2020	Component...	Assembly	IBJ-00086	FA-KIT-APR19	April 2019 Box	LOT-04244	3/5/2021	12/5/2020	12/31/9999	

All three date fields can be updated manually.   If the Ship by Date, Lot Expiration Date, or Lot Consume by Date fields are blank, a date of 12/31/9999 will be assigned and flow to the Lot when the order is posted. If not, whatever date is in each of the fields will flow.

Agency Order

The Ship by Date field flows to the Agency Order Line once the Lot is assigned. The Lot Expiration Date and Lot Consume by Date fields do not. The Ship by Date field on the Agency Order Line is for information only and is not editable.

Updating the Lot Expiration, Ship By and Consume by Date

The Lot Expiration Date, Ship by Date and Lot Consume by Date fields are editable and can be updated on the Lot Information Card at any time when the Lot is Open. From the Item Card, go to Navigate →
Lots.   Find the Lot you want to update and then go to Home → Lot Card and change the dates.

Lot Expiration Report

The Lot Expiration Report was updated to include the Ship by Date. The report is a listing of Lots by Item. The report can be used to see when product is expiring and needs to be shipped by.   An Expiration Date must be entered to run the report. You can also filter by Ship by Date or Consume by Date.   The Lot Expiration Report can be accessed from Departments → Warehouse → Inventory → Reports → Lot Expiration.

Below is an excerpt of the report.

Expiration Date: 03/01/20..06/30/20

Lot No.	Item No.	Description	Last Receipt Date	Expiration Date	Consume By Date	Ship By Date	Remaining Qty.	Remaining Lbs.
LOT-02554	10018	Chocolate Sryup	9/19/2013	5/16/2020	8/16/2020	12/31/9999	500	9,000
LOT-04004	10018	Chocolate Sryup	3/8/2019	3/8/2020	6/8/2020	12/8/2019	45	810
LOT-04005	10018	Chocolate Sryup	3/8/2019	3/8/2020	6/8/2020	12/8/2019	50	900
LOT-04006	10018	Chocolate Sryup	3/13/2019	3/13/2020	6/13/2020	12/13/2019	100	1,800
LOT-04007	10018	Chocolate Sryup	3/13/2019	3/13/2020	6/13/2020	12/13/2019	100	1,800
LOT-04008	10018	Chocolate Sryup	3/21/2019	3/21/2020	6/21/2020	12/21/2019	100	1,800
LOT-04048	10018	Chocolate Sryup	5/23/2019	5/23/2020	8/23/2020	2/23/2020	500	9,000
LOT-04049	10019	Coffee	5/23/2019	5/23/2020	8/23/2020	2/23/2020	500	6,000
LOT-04051	10019	Coffee	5/23/2019	5/23/2020	8/23/2020	2/23/2020	500	6,000
LOT-04107	10018	Chocolate Sryup	3/25/2019	3/25/2020	6/25/2020	12/25/2019	50	900
LOT-04108	10018	Chocolate Sryup	3/25/2019	3/25/2020	6/25/2020	12/25/2019	50	900
LOT-04109	10018	Chocolate Sryup	3/22/2019	3/22/2020	6/22/2020	12/22/2019	50	900
LOT-04110	10018	Chocolate Sryup	3/22/2019	3/22/2020	6/22/2020	12/22/2019	50	900
LOT-04111	10018	Chocolate Sryup	3/15/2019	3/15/2020	6/15/2020	12/15/2019	50	900
		Report Totals					2,645	41,610

Related Topics

1. Agency Order Overview
2. Donation Order Overview
3. Item Overview
4. Item Journal Adjust Quantities
5. Purchase Order Overview
6. Warehouse Lots and Pallets