Item and Lot Expiration, Ship by and Consume by Date

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Purpose of this document

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

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Purpose

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.

Ceres object release 4.00.00 is required for the functionality documented in this procedure

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:

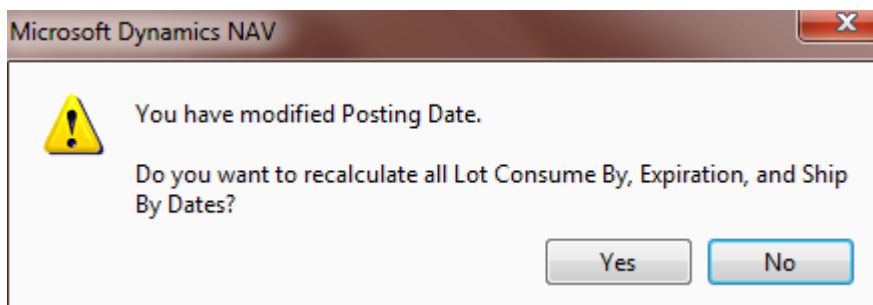**Posting Date -** The Ship by Date is calculated based on the Posting Date.
Order Date - The Ship by Date is calculated based on the Order Date.
Expected Receipt Date - The Ship by Date is calculated based on the Expected Receipt Date.

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.

Donation Order Subform

Type	No.	Description	Description 2	Location Code	Ship by Date	Lot Expiration Date	Lot Consume By Date
Item	10569	Tortillas	Wheat Tortillas	KAN	1/16/2013	2/16/2013	5/16/2013
Item	17416	Cereal	Tootie Fruities	KAN	3/16/2013	5/16/2013	11/16/2013

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

Donation Order Subform

Type	No.	Description	Description 2	Location Code	Ship by Date	Lot Expiration Date	Lot Consume By Date
Item	10569	Tortillas	Wheat Tortillas	KAN	2/17/2013	3/17/2013	6/17/2013
Item	17416	Cereal	Tootie Fruities	KAN	4/17/2013	6/17/2013	12/17/2013

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.

Batch Name:	XBEGBAL								
Posting Date	Entry Type	Document No.	Item No.	Description	Locati... Code	Ship by Date	Lot Consume by Date	Lot Expiration Date	Quantity
11/15/2012 ▾	Positive Adj...	IGJ-00137	10569	Tortillas	KAN	5/2/2012	12/31/9999	12/31/9999	50

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.	Description	Blocked	Lot No.	Receive Date	Consume by Date	Expiration Date	Ship by Date	Quantity on Hand	Test Quality	Certificate Number
10569	Tortillas	None	LOT-00261	11/15/2012	6/2/2013	6/2/2013	5/2/2013	50		
10569	Tortillas	None	LOT-02647	5/7/2014	11/7/2014	8/7/2014	7/7/2014	250		
10569	Tortillas	None	LOT-02656	5/7/2014	11/7/2014	8/7/2014	7/7/2014	400		
10569	Tortillas	None	LOT-455222	3/16/2012	7/16/2013	7/25/2013	6/16/2012	0		
10569	Tortillas	None	LOT-455223	3/16/2012	7/16/2013	7/25/2013	6/16/2012	59		

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.

Batch Name:	DEFAULT								
Posting Date	Status	Entry Type	Document No.	Item No.	Description	Location Code	Ship by Date	Lot Consume by Date	Lot Expiration Date
1/15/2012 ▾	Bulk Co...	Assembly	IBJ-00023	KCF0001	Kids Cafe August 2012 SLP	KAN	4/15/2013	12/31/9999	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.

Lines						
Type	No.	Description	Location Code	Ship by Date	Quantity	Unit of Measure Code
Item	10569	Tortillas	KAN	6/16/2012	5	CASE

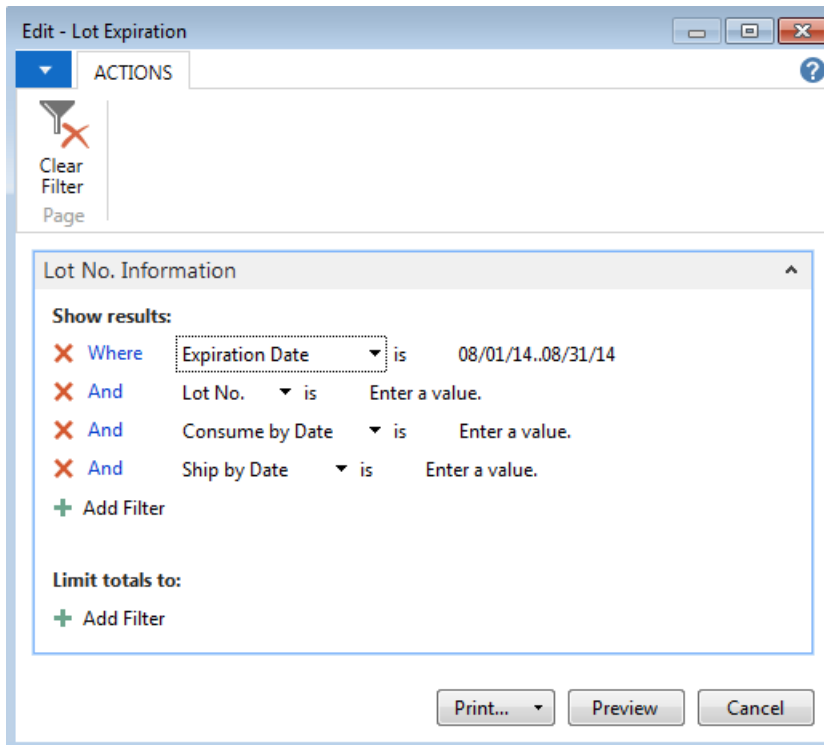## Updating the Lot Expiration, Ship By and Consume by Date

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.

10569 · LOT-00261 · Tortillas

General			^
Item No.:	10569	Consume by Date:	6/2/2013
Variant Code:		Expiration Date:	6/2/2013
Lot No.:	LOT-00261	Ship by Date:	5/2/2013
Description:	Tortillas	Receive Date:	11/15/2012
Maximum Quantity:	0.00	Unit Cost:	0.00
Test Quality:		Total Cost:	0.00
Certificate Number:		Unit Value:	0.00
Blocked:	None	Total Value:	0.00
GTIN Code:		Unit Gross Weight:	13
GTIN Version No.:	0	Ext. Gross Weight:	650

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.

Lot Expiration Report   8/14/2014 8:09 AM

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Expiration Date: 08/01/14..08/31/14

Lot No.	Item No.	Description	Last Receipt Date	Expiration Date	Consume By Date	Ship By Date	Remaining Qty.	Remaining Lbs.
L-1301-001	25007C	Onions	7/15/2014	8/15/2014	8/22/2014	8/4/2014	10	500
L-1301-002	25006C	Okra	7/15/2014	8/5/2014	8/7/2014	7/30/2014	10	100
L-1301-003	25006C	Okra	8/6/2014	8/27/2014	8/29/2014	8/21/2014	25	250
LOT-02647	10569	Tortillas	5/7/2014	8/7/2014	11/7/2014	7/7/2014	250	3,250
LOT-02656	10569	Tortillas	5/7/2014	8/7/2014	11/7/2014	7/7/2014	400	5,200
LOT-419068	6S411	Peaches Cling	3/16/2012	8/2/2014	8/2/2014	5/2/2014	81	1,822.5

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