

How To Create an Assembly Order

Assembly Orders are used to convert multiple Items into a different Item. For this example, a Feed Item will be assembled.

Feed Prerequisites

These are the basics that will be used in all aspects of creating feed assembly orders. The first step is to create the Items that will become part of an Assembly Item.

1. Feed Ingredients

In Item Detail, any item used in a feed Assembly Order must have the following

- a. Type set to Inventory
- b. Stocking Unit of Measure set accurately
- c. Ship Weight
- d. Market Cost if the ingredient will be used in pricing feed. View the Market Cost for a component on the Mfg/Grain tab.

2. Service Items

Service items such as mixing or pelleting should be

- a. A non-inventory item
- b. Current L1 price set.

3. Assembly Items

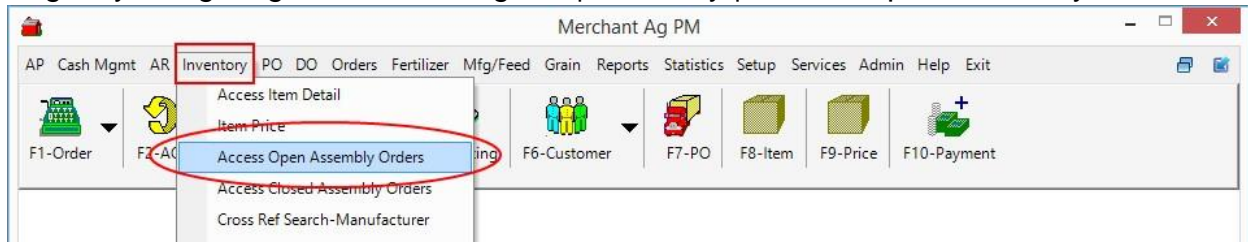
The feed ingredient and service items to be assembled, either bag or bulk, in Assembly Orders.

- a. Select the Type as Inventory and Item Attribute of Assembly.
- b. Stocking Unit of Measure set to Ton for Assembly Items used in Bulk feed orders; Bag for Assembly Items used to create bagged Inventory Items.
- c. Ship Weight, default weight of 2,000 for Bulk or if a Bag item, the weight of an individual bag, such as 50 lb.
- d. A Vendor is required for all Assembly Order Items but the replacement cost and purchasing unit of measure information can be left blank.
- e. Access the BOM tab and add all feed ingredient and applicable services items, known as components, to the Assembly Item. The Lbs/Ton column should total 2,000 lbs for all Assembly Items, bag or bulk.



For locations who create a base pellet feed then customize as needed, follow the steps above and add this base assembly item to the BOM tab as a component. Follow the steps for Build to Site for base pellets prior to their use in other feed Assembly Item orders.

Begin by navigating to Merchant Ag PM | Inventory | Access Open Assembly Orders.



Follow the steps to create a new Assembly Order.

Build to Site

1. Select Open Assembly Orders then select **A** to create a new Assembly order.

2. In Item ID, select the Assembly Order Item that will provide the components needed for this Assembly. For example, you are creating 50 lb bags of feed for chickens, you would select the Assembly Item, Chicken Feed, Bagged which includes all necessary components.
3. Enter a Quantity that will be assembled.
4. Verify the Build To field indicates Site.
5. From Site and To Site can indicate the same Site ID if the inventory will remain at the same location. Indicate another Site ID if the feed order will be assembled at one Site and sold at another.
6. Enter the Operator ID.
7. Select the Load components button and all components on the BOM tab of the Item ID will load.

Materials		Labor									
Item	Units	WEM Add Type	Recipe Pounds	Actual Pounds	Unit Cost	Ext Cost	Unit Price	Ext Price	Banked TTR		
RCORNBULK	TON		4,135.0000	0.0000	133.8750	276.79	164.58	340.27			
602104	TON		2,200.0000	0.0000	237.8602	261.65	276.93	304.62			
WETMOLAS	TON		625.0000	0.0000	267.4302	83.57	306.45	95.77			
RBARLEYBULK	TON		3,000.0000	0.0000	149.1668	223.75	169.30	253.95			
MIXSALT50	BAG		40.0000	0.0000	3.4401	2.75	3.91	3.13			
Total Pounds			10,000.0000	0.0000							

Description	Salt Mixing 50#	Unit Cost	169.7020	Total Cost	848.51	Unit Price	199.5480	Total Price	997.74
Assembled	by	Materials	26.2700	Labor	131.35	26.2700	131.35		
Created		Total	195.9720	979.86	295.8180	1,479.09			
Modified									

8. Add any additional components if necessary using the Add icon.
9. Select Assemble and print a Pick Ticket if needed.
10. Select Finalize to finalize the Assembly Order.

Build to Customer-Guaranteed

The same basic steps are followed as Build to Site except a Customer account will be selected.

1. Select Open Assembly Orders then select **A** to create a new Assembly order.
2. In Item ID, select the Assembly Order Item that will provide the components needed for this Assembly. For example, you are creating 5 tons of feed for a customer, you would select the Assembly Item, Chicken Feed, Bulk which includes all necessary components.
3. Enter a Quantity that will be assembled.
4. Verify the Build To field indicates Customer-Guaranteed.
5. Select the Customer account by entering the Customer phone number, name, or select F12 to search.

- 6.** From Site and To Site can indicate the same Site ID.
- 7.** Select the Load components button and all components on the BOM tab of the Item ID will load.
- 8.** Add any additional components if necessary.
- 9.** Select Assemble.
- 10.** Print a Pick Ticket if needed.
- 11.** Select Finalize to finalize the order which presents the Open Feed Order window.
- 12.** Settle the Order from the Open Feed Order screen.

How To Create an Assembly Item

To further illustrate how to create an Assembly Item to be used in Assembly Orders, follow the steps below.

Detail Items

Item ID: 11990 Vanguard Item ID: _____ Lot Tracking: None Restricted Fuel: ☐ Status: ☒ Active ☐ Inactive ☐ Delete

Description: 12% Elite Pleasure Barley Horse Feed Bulk Record Serial: ☐ Incentive Eligible: ☐

Category: D600 F12 Bulk Feed Fertilizer Ingredient: ☐ Loyalty Eligible: ☐

Type: Inventory Attribute: Assembly Commission: ☐ Farm Machinery: ☐ Tonnage Tax: None

Mfr ID: _____ Mfr Item: _____ Fractional Price: ☐ Hide on Batches: ☐ DO Bulk Feed Discounts: ☐ Tire: ☐

Stock UOM: Ton Selling Type: Orders and Direct Heating Fuel: ☐ Grain Item: ☐ Delivery Charge: ☐ Cust ID Req'd: ☐

Ship Weight: 2000.0000 MSDS Required: ☐ Clearance: ☐

Dry Density: 0 (lb/cu. ft) Liquid Density: 0.00 (lb/gallon) Quantity On Hand: 0.0000

EPA Number: _____ Agrian Product ID: _____ - Net Prepays Outstand: 0.0000

- Net Bookings Outstand: 0.0000

= NET Quantity Available: 0.0000

Quantity On Order: 0.0000

Pricing | States | Other | Sites | Vendors | Activity | PPDs | Bookings | **BOM** | Misc | Orders | POs | Tracking | AOs | GPOS | Web | Mfg/Grain | History | Trends

Last Change: EFC 06/18/15 08:01 Margin: -158.90 Margin %: -186.9 Feed Price Calc: Use Market Cost Market Cost: ☐

Seq	Component	Description	Unit	WEM Add Type	Lbs/Ton	Quantity	Cost	Ext Cost
1	11991	Base Pellets, Equine	TON		600.0000	0.30000000	193.0333	57.9100
2	11979	Barley To Be Steam Rolled, Bulk	TON		683.0000	0.34150000	150.7910	51.4951
3	11978	Oats To Be Steam Crimped, Bulk	TON		530.0000	0.26500000	215.7910	57.1846
4	11984	Apple Horse Feed Flavoring	POUND		1.0000	1.00000000	5.0004	5.0004
5	11982	Soybean Oil, Bulk	TON		18.0000	0.00900000	830.7910	7.4771
6	11983	Salt Mixing 50#	BAG		8.0000	0.16000000	2.0197	0.3232
7	11981	Yeast Culture, XP	POUND		14.0000	14.00000000	2.5495	35.6930
8	11980	Molasses, Wet	TON		145.0000	0.07250000	267.7920	19.4149
Totals					2,000.0000			243.9021

Navigate to Merchant Ag PM | Inventory | Access Item Detail | Add a new Item.

1. Assign an Item ID by selecting a System ID or select a User Defined ID.
2. Enter an Item Description.
3. Enter an Item Category or select F12 to search.
4. Select the Type as Inventory.
5. Set the Item Attribute to Assembly.
6. The Stocking Unit of Measure should be set to Ton for Assembly Items used in Bulk feed orders and Bag for Assembly Items used to create bagged Inventory Items.

- 7.** Enter the Ship Weight of 2,000 for Bulk and if a Bag item, the weight of an individual bag, such as 50 lb.
- 8.** A Vendor is required for all Assembly Order Items but the replacement cost and purchasing unit of measure information on the Vendor tab can be left blank.
- 9.** Access the BOM tab and add all feed ingredient and applicable services items, known as components, to the Assembly Item. The Lbs/Ton column should total 2,000 lbs for all Assembly Items, bag or bulk.
- 10.** Click Save to create the Assembly Item.