

MANUFACTURING FMC PRECISIONPACS®

PrecisionPacs® were meant for manufacturing! You receive the raw ingredients, mix them together to manufacture a PrecisionPacs, then you sell the finished product to your growers.

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Setting Up a PrecisionPac as a Manufactured Product

Before you can start manufacturing PrecisionPacs, you need to flag them as a manufactured product. Since a PrecisionPac will be made using the same 'recipe' each time, it's handy to have the raw products (the products that are mixed together to make up the PrecisionPac) setup in advance.

- Navigate to *Inventory > Manage > Products*.
- Search for the PrecisionPac product and edit it.

- On the **Product tab**, flag the product as **Manufactured**.

Product Code: EXPRESSPRO

Description: Express Pro Precision Pack (7.1g/ac)

Short Desc:

Product Type: Chemicals

UPC Code:

Default Project:

Manufacturer: FMC OF CANADA LTD

Manuf. Prod. Code:

Inventory Item? Returnable?

Blendable? Prohibit Purchase?

Manufactured? Exclude from AgCollect?

Dangerous Good? Overridable Sales Account?

Omit From Sales Reports?

GL Accounts

Sales: 45015 - Sales Chemicals

COGS: 55015 - COGS Chemicals

Inventory: 15015 - Chemicals

Inv. Accrual: 16015 - Chemical Accruals

Product Characteristics

Characteristics
> PrecPac
-

- On the **Manufacturing tab**, add the raw products that make up one acre of the PrecisionPac. This is the 'recipe' that specifies the ratio of raw ingredients used each time you make it.

Product	Quantity
> METSULFURON - Metsulfuron Flexibag 10kg (GM)	1.0100
TRIBENURON - Tribenuron Flexibag 16kg (GM)	6.0700

to make 1 acre of EXPRESSPRO, I need this much of these two raw products

Note that raw products come in 10 kg and 16 kg bags, but the manufacturing quantities are specified in grams

NOTE: Raw product quantities are expressed per 1 unit of this product (measured in AC - Acre).

- Save** your changes.

Manufacturing the PrecisionPac

When you need to turn raw products into a PrecisionPac, you'll manufacture it.

- Navigate to **Inventory > Manufacturing**.
The **Manufacturing** window opens.
- Click **Add**.
The **Manufacture Product** window opens.
 - Select the PrecisionPac from the **Product** dropdown list.
 - Specify the **Quantity** (in acres) you are going to manufacture.
 - Click **Retrieve Default Raw Products**.

The screenshot shows the 'Manufacture Product' window with the following fields and annotations:

- Reference:** [Empty] Generate Reference Automatically
- Date:** Sep 09, 2013
- Product:** EXPRESSPRO - Express Pro Precision Pack (7.1g/ac) [Find] [Add]
- Location:** Edmonton
- Units:** AC - Acre
- Quantity:** 160 of manufactured product
- Comments:** [Empty text area]
- Retrieve Default Raw Products:** [Button with mouse cursor]

Annotations with arrows point to:

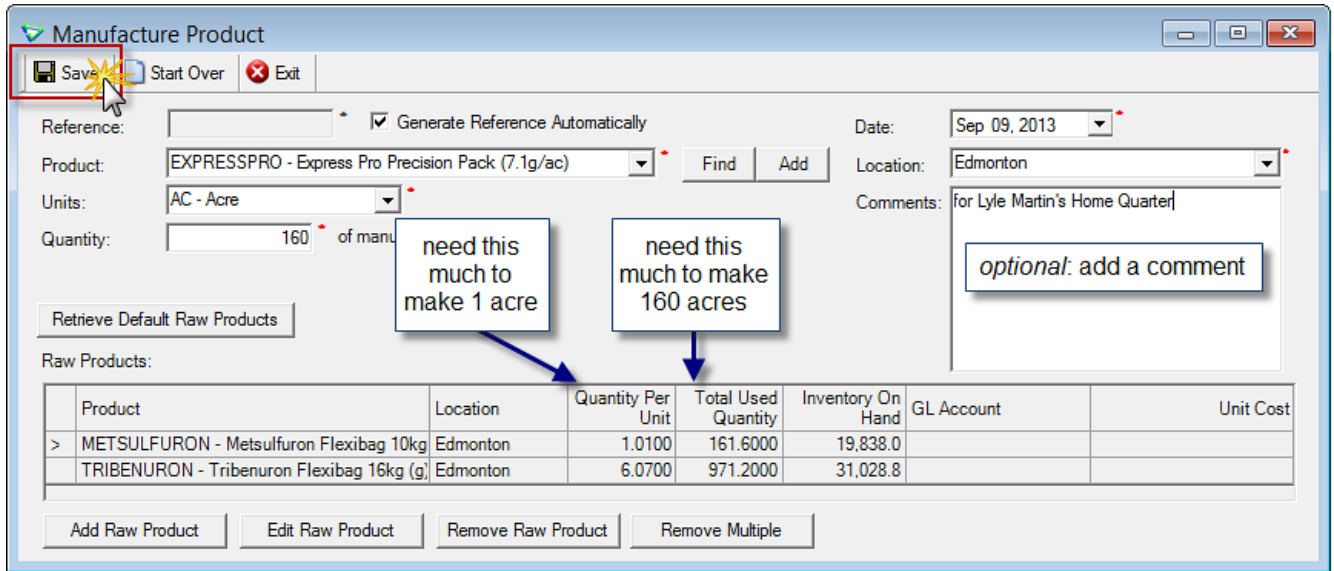
- which location will supply the Raw Products?** (points to Location: Edmonton)
- which PrecisionPac is being manufactured?** (points to Product: EXPRESSPRO - Express Pro Precision Pack (7.1g/ac))
- how much are you making?** (points to Quantity: 160)

Product	Location	Quantity Per Unit	Total Used Quantity	Inventory On Hand	GL Account	Unit Cost

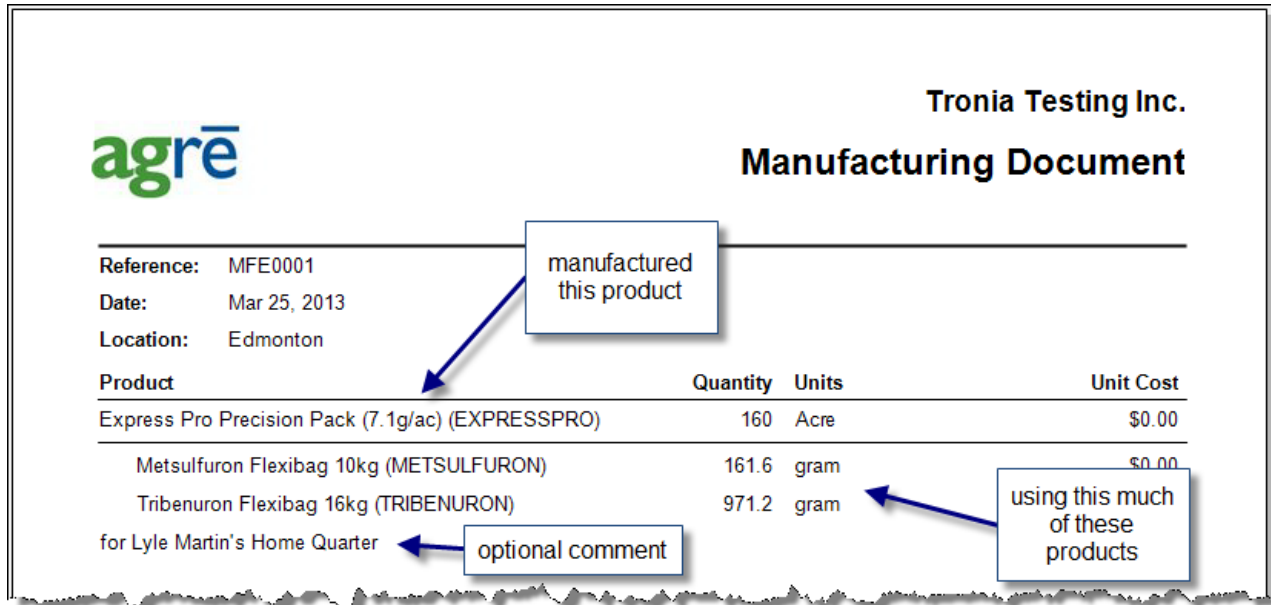
[Add Raw Product] [Edit Raw Product] [Remove Raw Product] [Remove Multiple]

- agrē will calculate how much of each raw product is needed to manufacture the **Quantity** specified.

- **Save** to manufacture the PrecisionPac.
The **Manufacture Product** window closes.



- (Config C) optional: View the **Manufacturing Document** if prompted.



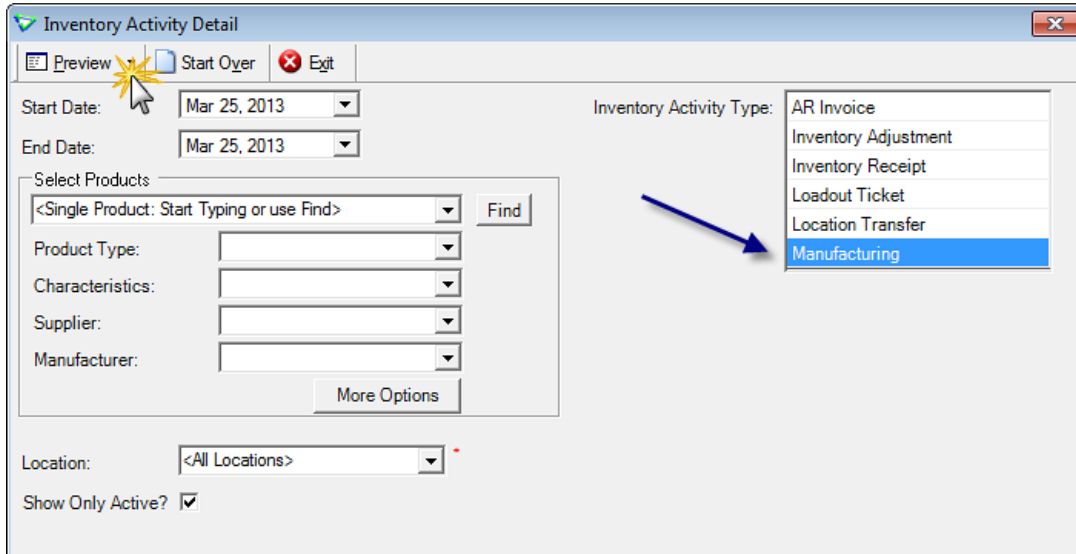
Report: Manufacturing Document

- You are returned to the **Manufacturing** window.

Confirming Inventory Movement

If you want to double check the inventory movement, run the *Inventory Activity Detail* report.

- Navigate to *Inventory > Reports > Inventory Activity Detail*.
- Select the manufacturing date(s) and the Inventory Activity Type as *Manufacturing*.
Preview the results.





Inventory Activity Detail

All Locations Selected between Mar 25, 2013 and Mar 25, 2013

Express Pro Precision Pack (7.1g/ac) (EXPRESSPRO) - Acre

Date	Transaction Type	Description	Ref #	Location	In/Out
Mar 25, 2013	Manufacturing	for Lyle Martin's Home Quarter	MFE0001	Edmonton	160.0
Totals	Manufacturing				160.0
	Net Change				160.0

a positive value indicates it was manufactured (there's more of it now)

Metsulfuron Flexibag 10kg (METSULFURON) - Bag

Date	Transaction Type	Description	Ref #	Location	In/Out
Mar 25, 2013	Manufacturing	for Lyle Martin's Home Quarter	MFE0001	Edmonton	-0.0162
Totals	Manufacturing				-0.0162
	Net Change				-0.0162

a negative value indicates it was used in manufacturing (there's less of it now)

Tribenuron Flexibag 16kg (TRIBENURON) - Bag

Date	Transaction Type	Description	Ref #	Location	In/Out
Mar 25, 2013	Manufacturing	for Lyle Martin's Home Quarter	MFE0001	Edmonton	-0.0607
Totals	Manufacturing				-0.0607
	Net Change				-0.0607

Note

Inventory reports always¹ display main unit types so even though the quantities of the raw products in the manufacturing 'recipe' were specified in grams, the Inventory Activity Detail is reported in bags.

¹ this can be changed on a per-product basis - *Inventory > Manage > Products > Units tab > Inventory Balances*

Cost Adjustments *(optional)*

PrecisionPacs® can be cost adjusted just like any other product if you wanted to include, for example, shipping charges or a manufacturer's discount in the unit cost.

The screenshot shows the 'Find Product Cost History' dialog box. The search criteria are as follows:

- Product: EXPRESSPRO - Express Pro Precision Pack (7.1g/a)
- Adjustment Units: AC - Acre
- Cost Adjustment / Unit: \$0.00
- Quantity (in Adj Units): 0
- Cost Adjustment Total: \$0.00

The 'Apply Cost Adjustment to Inventory Activity' section includes:

- Activity Type: Manufacturing
- Location: All locations
- Supplier: (empty)
- Reference: (empty)
- Date Between: Jun 11, 2009 and Dec 11, 2017

Activity Type	Date	Reference	Location	Current Cost	Quantity
Manufacturing	Oct 10, 2014	DMAN16	Dog River	\$4.9489	80.0000
Manufacturing	Mar 25, 2013	MFE0001	Edmonton	\$4.2521	160.0000
Manufacturing	Nov 21, 2012	DMAN00004	Dog River	\$4.3491	160.0000

3 Inv. Activities found

Total Selected: 0

Manufacturing can be cost adjusted