

Manufacturing FMC PrecisionPacs®



PrecisionPacs® were meant for manufacturing! You receive the raw ingredients, mix them together to manufacture a PrecisionPac, 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:

Alt Product Desc:

Product Type: Chemicals (34539)

UPC Code:

Default Project:

Manufacturer: FMC OF CANADA LTD

Manuf. Prod. Code:

Inventory Item? ☒ Returnable? ☒

Blendable? ☐ Prohibit Purchase? ☐

Manufactured? ☒ Exclude From AGDATA? ☐

Omit From Sales Reports? ☐ Overridable Sales Account? ☐

Exclude from Invoice Discounts? ☐ Exclude From Discount Groups? ☐

Lot Number Required? ☐

Discounts

Discount Type: Discount %

GL Accounts

Sales: 45015 - Sales Chemicals

COGS: 55015 - COGS Chemicals

Inventory: 15015 - Chemicals

Inv. Accrual: 16015 - Chemical Accruals

Add GL Account

Product Characteristics

Characteristics

> PrecPac

Remove Add

- 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 Code: EXPRESSPRO

Description: Express Pro PrecisionPac (7.1g/ac)

Short Desc:

Alt Product Desc:

Product Type: Chemicals (34539)

UPC Code:

Default Project:

Manufacturer: FMC OF CANADA LTD

Manuf. Prod. Code:

Inventory Item? ☒ Returnable? ☒

Blendable? ☐ Prohibit Purchase? ☐

Manufactured? ☒ Exclude From AGDATA? ☐

Omit From Sales Reports? ☐ Overridable Sales Account? ☐

Exclude from Invoice Discounts? ☐ Exclude From Discount Groups? ☐

Lot Number Required? ☐

Discounts

Discount Type: Discount %

GL Accounts

Sales: 45015 - Sales Chemicals

COGS: 55015 - COGS Chemicals

Inventory: 15015 - Chemicals

Inv. Accrual: 16015 - Chemical Accruals

Add GL Account

Product Characteristics

Characteristics

> PrecPac

Remove Add

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

Add Raw Product Row Edit Raw Product Row Remove Raw Product

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

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

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

- 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. At the top, there are buttons for 'Save', 'Start Over', and 'Exit'. Below these are fields for 'Reference:', 'Product:', 'Units:', and 'Quantity:'. The 'Product' field is set to 'EXPRESSPRO - Express Pro Precision Pack (7.1g/ac)'. The 'Units' field is set to 'AC - Acre'. The 'Quantity' field is set to '160'. A red box highlights the 'Retrieve Default Raw Products' button. A table titled 'Raw Products:' is visible at the bottom. Annotations with arrows point to various fields: 'which location will supply the Raw Products?' points to the 'Location' dropdown (set to 'Edmonton'); 'which PrecisionPac is being manufactured?' points to the 'Product' dropdown; and 'how much are you making?' points to the 'Quantity' field.

Manufacture Product

Save Start Over Exit

Reference: * ☒ 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

Retrieve Default Raw Products

Comments:

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

Manufacture Product

Reference: * ☒ Generate Reference Automatically Date: Sep 09, 2013

Product: EXPRESSPRO - Express Pro Precision Pack (7.1g/ac) Find Add Location: Edmonton

Units: AC - Acre Comments: for Lyle Martin's Home Quarter

Quantity: 160 of manu

Retrieve Default Raw Products

Raw Products:

Product	Location	Quantity Per Unit	Total Used Quantity	Inventory On Hand	GL Account	Unit Cost
> METSULFURON - Metsulfuron Flexibag 10kg	Edmonton	1.0100	161.6000	19,838.0		
TRIBENURON - Tribenuron Flexibag 16kg (g)	Edmonton	6.0700	971.2000	31,028.8		

Add Raw Product Edit Raw Product Remove Raw Product Remove Multiple

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

Tronia Testing Inc.

Manufacturing Document

Reference: MFE0001 Date: Mar 25, 2013 Location: Edmonton

Product	Quantity	Units	Unit Cost
Express Pro Precision Pack (7.1g/ac) (EXPRESSPRO)	160	Acre	\$0.00
Metsulfuron Flexibag 10kg (METSULFURON)	161.6	gram	\$0.00
Tribenuron Flexibag 16kg (TRIBENURON)	971.2	gram	

for Lyle Martin's Home Quarter

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

Preview Start Over Exit

Start Date: Mar 25, 2013

End Date: Mar 25, 2013

Select Products

<Single Product: Start Typing or use Find> Find

Product Type:

Characteristics:

Supplier:

Manufacturer:

More Options

Inventory Activity Type:

- AR Invoice
- Inventory Adjustment
- Inventory Receipt
- Loadout Ticket
- Location Transfer
- Manufacturing

Location: <All Locations>

Show Only Active? ☒



Tronia Testing Inc.

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.

Add Purchase Invoice

Supplier: _____
Invoice Date:
Due Date: _____
Comments: _____

Find Product Cost History

Product:
Adjustment Units:
Cost Adjustment / Unit:
Quantity (in Adj Units):
Cost Adjustment Total: ☐ ☐

Apply Cost Adjustment to Inventory Activity

Activity Type: Location:
Supplier: Reference:
Date Between: and

	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:

Manufacturing can be cost adjusted