

Field Manager Pro, 360 and Mobile

Information contained in the following article was presented to the Nitrates Meeting in Kensington, PEI on February 10, 2014 by Ronda Bellefontaine, P.Ag. Ronda is an FMPro Certified Consultant and can be reached at ronda@likenobodysbusiness.ca or (902)886-3348.

This article talks about Field Manager Pro (FMPro), FMPro 360 and FMPro Mobile as it relates to recording and measuring nutrients applied to crops. There are many other features of the program related to field and crop management and crop storage which are not discussed in this article.

FMPro is a field and crop record keeping program developed by FCC Software. A demo version of the software can be downloaded for free from:

<https://www.fcc-fac.ca/en/tools-and-resources/fcc-management-software/field-manager-pro.html>. (Scroll down the page to a link that says **Get the demo.**) The program will hold ten years of field and crop records in one file. For a \$25 discount on the software, contact ronda@likenobodysbusiness.ca before you purchase.

The staff of Like Nobody's Business are certified installers and trainers of the FMPro software. Funding is available under Growing Forward 2 for software and training under the AgriSkills Program. For details on the program, visit:

<http://www.gov.pe.ca/growingforward/index.php3?number=1046611>.

- FMPro tracks the application of the following **nutrients**. It also allows you to add and track other nutrients, if needed.

Nitrogen (N)	Manganese (Mn)	Chlorine (Cl)
Phosphorus (P)	Sulfur (S)	Copper (Cu)
Potassium (K)	Zinc (Zn)	Iron (Fe)
Boron (B)	Aluminum (Al)	Hydrogen (H)
Magnesium (Mg)	Calcium (Ca)	Sodium (Na)

- There is an area in the program where you **set up the fertilizers and manures** you are using on your crop. These fertilizers and manures can be copied forward to the next crop year, so that you don't have to set them up again each year from scratch. For each fertilizer or manure, you indicate the % of each nutrient in the blend on the right hand side of screen. Refer to the diagrams on the following page which are screen shots from the software.

Please note that information in any of the diagrams does not necessarily reflect an actual situation.

Setup Fertilizer Inputs

Field Manager PRO ver: 2014-01 [AgExpert Sample.frm] - [Fertilizers: 2012 Crop Year]

File Setup Records Reports Tools Window Help

Save & Close Save Copy Merge

Save (Ctrl+S)

Choose Fertilizer

- 11-52-0
- 12-32-0-0 (Liquid)
- 15.02-13.02-17.84 Russett
- 15.02-13.02-17.84 Shepody
- 18-9-9
- 22-11-0-0 (Liquid)
- 28%
- 34-0-0
- 37-13-0-0
- 46-0-0
- 8-32-16
- 90-40-20-10
- Cattle Manure
- Corn Starter 2
- MAP
- NH3
- Urea
- Lime

Details

Name: 15.02-13.02-17.84 (Russets)

Unit Cost \$ (*): 300 / tonne

☐ Liquid Fertilizer

Specific Gravity: 0 lb - / Imp gal

☐ Organic

GIS Farm View Colour:

Notes: Calcium 1.4 - 1000 lbs/acre

Nutrients

Name	%
B	0.000000
Cl	0.000000
Cu	0.000000
Fe	0.000000
K	17.840000
Mg	0.870000
N	15.020000
P	13.020000
S	4.530000
Zn	0.000000

Changes to values marked with a (*) will only affect the current crop year.

Setup Manure Inputs

Field Manager PRO ver: 2014-01 [AgExpert Sample.frm] - [Manure: 2012 Crop Year]

File Setup Records Reports Tools Window Help

Save & Close Save Copy Merge

Filter Manure

Manure

Choose Manure

- Cattle
- Plow down of clover

Details

Name: Cattle

Type: Manure

Supplier: Tomas Parenteau

Unit Cost \$ (*): 0 / tonne

☐ Liquid Manure

Specific Gravity: 0 lb - / Imp gal

PHI: 0 days

Notes:

Nutrients

Name	%
B	0.000000
Ca	0.000000
Cl	0.000000
Cu	0.000000
Fe	0.000000
K	14.400000
Mg	0.000000
N	10.300000
P	5.500000
S	0.000000
Zn	0.000000

Changes to values marked with a (*) will only affect the current crop year.

- After all of your setup is complete, you are able to **record fertilizer and manure applications**. Refer to the two diagrams below which show the recording of each type of application. The first diagram shows the recording of a fertilizer application record and the second - a manure application.

Recording a fertilizer application

Field Manager PRO ver: 2014-01 [AgExpert Sample.frd] - [Operation (Gilbey's Corner 1): 2014 Crop Year]

Save & Close

1. Select the activities that you want to record with this operation.
☐ Plant ☒ Fertilize ☐ Manure ☐ Pest Control ☐ Irrigate ☐ Till ☐ Other

2. Fill in the information for each activity that you did.
 General Fertilize Environment Image Links

Select The Fertilizers You Used \$ 11,113.01

Name	Area	Rate	Total	Lot #
18-9-9	70.00 ac	1,000.000 lb/ac	70,000.000 lb	

Machine Setting:

Application Method: broadcast

Notes:

Choose Fertilizers

Filter:

Choose Fertilizers

- ☒ 11-52-0
- ☐ 12-32-0-0 (Liquid)
- ☐ 15.02-13.02-17.84 Russet
- ☐ 15.02-13.02-17.84 Shepody
- ☐ 18-9-9
- ☐ 22-11-0-0 (Liquid)
- ☐ 28%
- ☐ 34-0-0
- ☐ 37-13-0-0
- ☐ 46-0-0
- ☐ 8-32-16
- ☐ 90-40-20-10
- ☐ Corn Starter 2
- ☐ Lime
- ☐ MAP

New... OK Cancel

Nutrients (lb/ac)		
Nutrients	Amount	Total
B	0.0000	0.0000
Cl	0.0000	0.0000
Cu	0.0000	0.0000
Fe	0.0000	0.0000
K	0.0000	0.0000
Mg	0.0000	0.0000
N	180.0000	180.0000
P	90.0000	90.0000
S	90.0000	90.0000
Zn	0.0000	0.0000

Recording a manure application

Field Manager PRO ver: 2014-01 [AgExpert Sample.frd] - [Operation (Gilbey's Corner 1): 2014 Crop Year]

Save & Close

1. Select the activities that you want to record with this operation.
☐ Plant ☐ Fertilize ☒ Manure ☐ Pest Control ☐ Irrigate ☐ Till ☐ Other

2. Fill in the information for each activity that you did.
 General Manure Environment Image Links

Select The Manure You Used \$.00

Name	Area	Rate	Total
Cattle	70.00 ac	1.000 tonne/ac	70.000 tonne

Machine Setting:

Application Method:

Earliest Harvest: 4/9/2014

Notes:

Choose Manure

Type:

Filter:

Choose Manure

- ☒ Cattle
- ☐ Pile down of clover

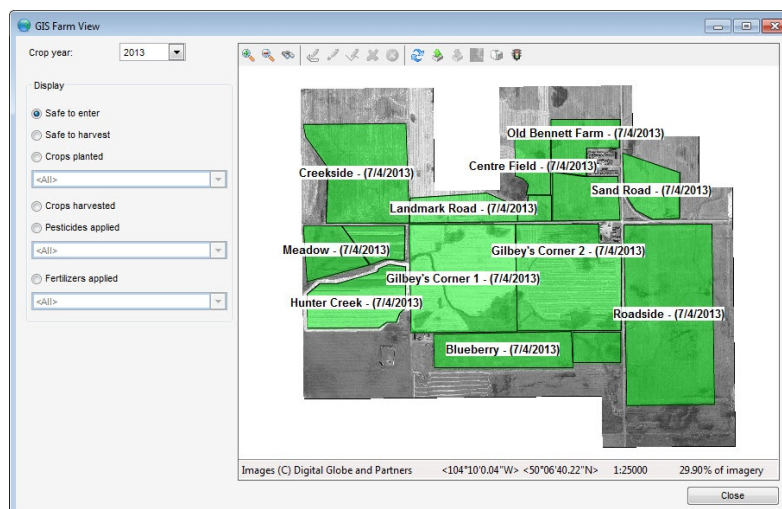
New... OK Cancel

Nutrients (lb/ac)		
Nutrients	Amount	Total
B	0.0000	
Ca	0.0000	
Cl	0.0000	
Cu	0.0000	
Fe	0.0000	
K	317.4657	
Mg	0.0000	
N	227.0761	
P	121.2542	
S	0.0000	
Zn	0.0000	

The **reports** listed below are found under Reports/Report Console and contain information related to the application of nutrients to the soil and/or crop. Where sample reports are provided, please note that the data may not reflect best management practices.

- **Industry Reports/Canada GAP Auto-populated forms/Agronomic Inputs: Other Inputs (H2)** - contains a record of all commercial fertilizer and manure/compost/other nutrient source applications.
- **Land Records/Input Usage** - a sample copy is attached. This report contains all fertilizer, manure and other nutrient source applications over a defined period of time. The applications are grouped by input type and sorted by land (field) and date.
- **Land Records/Nutrients** - a sample copy is attached. This report contains a list of fields and the total pounds (lbs) of each nutrient applied during the year either through a fertilizer, manure or other nutrient source application. The average rate of application is also reported.
- **Land Records/Operation History** - a sample copy is attached. This is a summary report of operations for a defined crop year(s). The report lists the operations performed on each field. There are a number of options for information that can be included in this report.
- **All reports can be exported to Excel** where the data can be used to generate other reports or charts.

FMPPro 360 is an enhanced version of FMPro which allows the user to download satellite images of their fields, and to view and print field maps showing where crops have been planted or inputs applied. It will also view and print maps showing fields which are safe to enter or safe to harvest. The following diagram is a sample map with the fields shaded in green indicating which fields are safe to enter after pesticides have been applied. The sample diagram was copied from the FCC Online Community web site.



FMPPro Mobile App is now available for Android and Apple mobile devices (phones or tablets). Field operations can be recorded on the Mobile App and synced to a 'cloud' where it is later synced to the Desktop version of the software.