

# ARM Product Pulse

Your source for the latest ARM updates and best practices

Issue #16

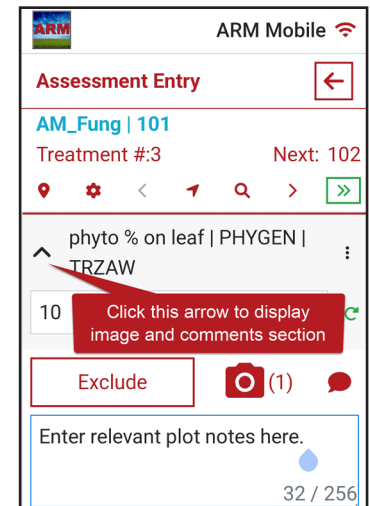
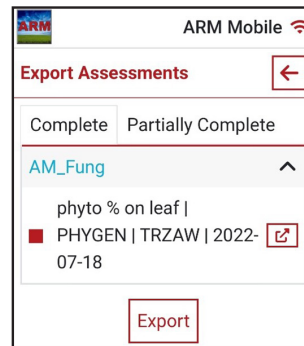
## ARM 2022.3 Features and Enhancements

ARM 2022.3 Release: Run "Check for Updates" to take advantage of the latest developments! Release notes also found on the website – [CLICK HERE](#) to view.

### ARM Mobile Enhancement: Export Images With or Without Data

Allows user to export images, comments, or GPS during or after an assessment "data" export.

**Example:** Researcher A enters data only, Researcher B takes plot pictures. Both researchers export the same assessment data column simultaneously – images will import with data.



### Software Update: ARM now supports R versions 4.2.0 and newer!

Previously, R versions 4.2.0 and newer were not compatible with ARM.

*\*No additional installation/update needed at this time.*

*\*R is used behind-the-scenes for analysis and reporting.*

### Use ARM for [EPPO Standard PP 1/239](#) Calculations (Dose expression for plant protection products)

Easily calculate Leaf Wall Area (LWA) and Tree Row Volume (TRV) with ARM! ARM automatically calculates LWA and TRV for applications that have all required information.

For LWA, enter Crop Row Spacing, Row Sides Applied, and Treated Canopy Height. For TRV, enter Canopy Height, Plant/Row Diameter, and Row Spacing.

Access all fields involved in LWA and TRV calculations on the **Application Plan** dialog. Watch for a PP 1/239 Tutorial File in our next release!

Application Plan		
Applications	A	
<b>Crop Information</b>		
Crop	1 ▾	MABSD
Row Spacing	4	m ▾
Diameter Average	1.5	m ▾
Treated Canopy Height	2.5	m ▾
Treated Leaf Wall Area	12500	m <sup>2</sup> /ha
Treated LWA per Plot	62.5	m <sup>2</sup> /plot
Treated Tree Row Volume	9375	m <sup>3</sup> /ha
Treated TRV per Plot	46.88	m <sup>3</sup> /plot
<b>Application Information</b>		
Application Date	Apr-2-2022	
Row Sides Applied	2	
Application Amount	1200	L/ha ▾

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'Field' sets what Trial Status triggers the rule

'Condition' determines who needs to sign the trial

Study Rules - Rule 1 of 1					
Rule	Rule ID	Editor	Field	Condition	Columns/Tr
1	Sign	Trial			
2*					

Required at Revision Status one-year/final or canceled (Validation)  
 Required at Revision Status reviewed and reported or canceled (Validation)  
 Required at Revision Status archived or canceled (Validation)

## New Study Rule: Require Signature at any Trial Status

*Previously only available when status= final*

Reason for Study Change

You have changed a study that has been signed. You must specify a reason for making the change, then select OK. Select Cancel to use the original entry and discard the change.

Reason for change:

- Entry Error
- Illegible Entry
- Spelling Error
- Transcription Error
- Calculation Error
- Measurement Error
- Unnecessary Entry
- Wrong Entry
- Accidental Writeover
- Inappropriate Word
- Procedural Change
- Incorrect Comment
- Entry Added

Original entry:

Aug-1-2022

New entry:

Aug-10-2022

OK Cancel Help

Any changes after signing a trial with a Final (or later) Status starts an Audit Trail.

- ARM documents the original and new entry dates
- Requires entering a reason for change
- Logs information on Trial Audit Trail report page (when applicable)

## Assessment Image Preview

Updated dialog for **previewing** and **zooming** assessment images. Find it at the bottom of the Properties Panel.

- Improves performance for high-resolution photos
- Better workflow for using image to review or take ratings

Click in data cell for any plot to view attached images.

Assessment Data - Line 1

Column Number	1
Pest Type	W Weed W
Pest Code	AMAPA AMA

Properties

Assessment View  
View Options...

Hidden Fields  
☐ Crop Variety  
☐ Description

Display current treatment  
Merge from Study...

Assessment (Plot 101, Col 1)  
Comment:

Barcode:

Set GPS

☐ Damaged

Image:

Attach  
Remove  
Rename

☐ Display by treatment

Click here to expand the image.

1. Draw area to zoom  
 2. Drag image to view other areas  
 3. Copy image to clipboard  
 4. Resize image

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