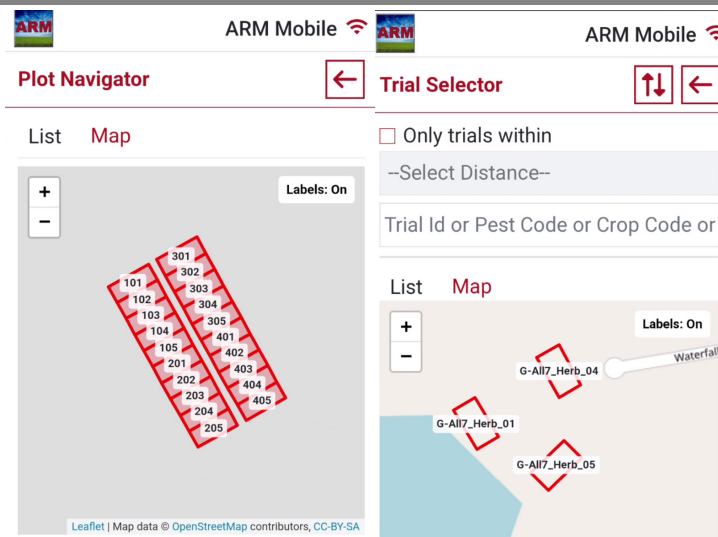


ARM Product Pulse

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Issue #33

ARM 2026.2 Features and Enhancements

Run "Check for Updates" to take advantage of the latest developments! Find release notes on the [website](#).



NEW: ARM Mobile Geospatial Features

Georeferenced trial definitions allow users to visualize trials directly on a satellite map, making it easier to locate and select nearby trials instead of searching through the full list trials.

Important: Trial definitions created in previous versions of ARM must be **re-exported** before they can be used with the app's geospatial features.

Select individual plots directly from the map to easily navigate to them during field assessments.

Note: Plot locations are defined in the ARM Geospatial Map on the desktop.

Generalized Linear Models: Added for CRD, RCB, and Latin Square designs

ARM now supports Generalized Linear Model (GLM) analysis, providing a powerful option for analyzing data that may not meet the assumptions of traditional statistical models.

Analyze the Model - Not Just the Raw Data

- Fits a linear model to your data and performs analysis on model rather than raw values.
- Key advantage: no longer requires normality of data.
- Dispersion tests the model's goodness-of-fit.

Determine When to Use GLM

Column Diagnostics panel recommends when a GLM is appropriate.

- Set the Basis to Rating Type or Rating Unit.
- ARM evaluates the data type to determine whether a GLM model may be appropriate.
- When applicable, ARM recommends a GLM Action Code.

For example, count data may be modeled using a Poisson distribution, while percentage data may be modeled using a Binomial distribution.

Part Rated Rating Type Rating Unit	PLANT, P COUNT NUMBER	PLANT, P COUNT NUMBER
Number of Subsamples	1	1
ARM Action Codes	IID	GLMC
Trt No.	Treatment Name	1 3 dGLMC
1	1	394.8 a 391.0 a
2	2	413.0 a 409.1 a
3	3	86.8 b 85.9 b
4	4	37.8 b 37.4 c
5	5	35.3 b 34.9 c
6	6	79.3 b 78.5 b
LSD P=.05	77.63	0.12%
Standard Deviation	51.51	.
CV	29.53	.
Levene's Prob(F)	0.389	0.982
P(Shapiro-Wilk) ^a	0.4304	0.0745
P(Skewness) ^a	0.3361	0.1884
P(Kurtosis) ^a	0.2436	0.5079
GLM Dispersion	.	18.8259
Replicate F	1.618	264.699x
Replicate Prob(F)	0.2272	0.0001x
Treatment F	48.320	340.892x
Treatment Prob(F)	0.0001	0.0001x

Recommendations		
Basis	Rating Type : COUNT	
IID Graphs	Show...	Layout: 4 X 2
Code	Test Statistic	Value
1 IID	Levene's	1.111
2 IID	Shapiro-Wilk	0.96
3 IID	Skewness	0.464
4 IID	Kurtosis	1.098
5 GLMCQ	Family	18.826
Does not fail test of homogeneity of variance		
Does not fail general test of normality of resid		
Does not fail test of skewness of residuals		
Does not fail test of excess kurtosis of residu		
Family is COUNT, but there is overdispersion.		



Follow GDM Solutions on [LinkedIn](#) or [Facebook](#) for time-saving tips!

A few minutes a day will expand your ARM knowledge.



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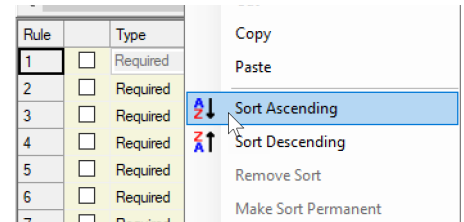
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NEW: Sort & Filter the Study Rules Grid

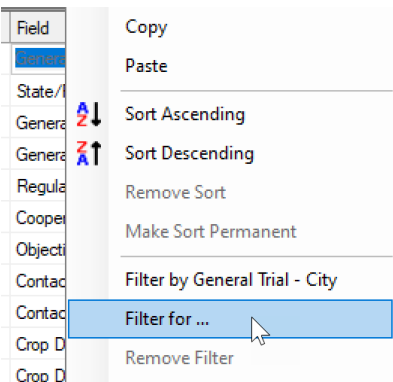
New sorting and filtering tools make it easier to organize Study Rules and quickly find the rules you need.

Sort Study Rules - Group similar rules or arrange them in your preferred order:

- **Sort:** Right-click > *Sort Ascending* or *Sort Descending*, or click a column header.
- **Remove Sort:** Change editors or right-click > *Remove Sort*.
- **Save Sort:** Right-click > *Make Sort Permanent* to save the new order and renumber the rules.
- **Undo Sort:** Select Edit > *Undo* to revert the sort.



Note: Save and exit the study to make the changes permanent.



Filter Study Rules - Quickly narrow the list to find rules of interest:

- **Filter For:** Enter a keyword to display only rules containing that value.
- **Filter By:** Select an entry to display only rules that match it.
- **Remove a Filter:** Right-click > Remove Filter, or remove it from Properties panel.

Rule	Type	Editor	Field
31	Required	Site Description	Crop Stage at Appl. - Crop Stage Scale Used (at application)
32	Required	Site Description	Crop Stage at Appl. - Stage Majority
33	Required	Site Description	Pest Stage at Appl. - Density Average
47	Required	Assessment Data	Crop Stage Majority/Min
48	Required	Assessment Data	Pest Stage Majority/Min
70	Required	Site Description	Crop Stage at Appl. - Treated Canopy Height

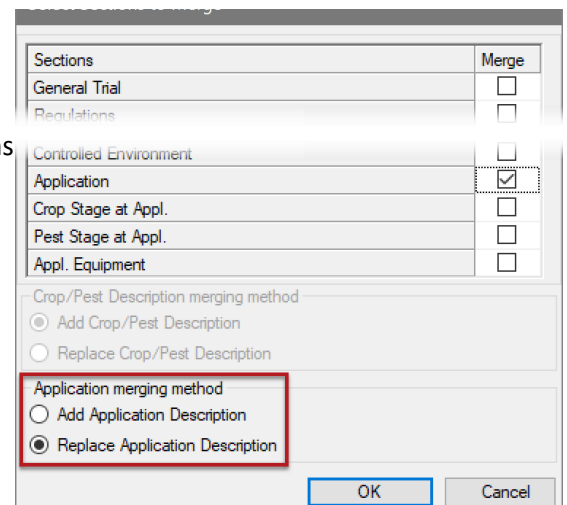
NEW: Merge > Replace Application Description

- Enhanced Merge function to replace Application Description details.
- Deletes all existing applications and copies chosen application sections to current trial.
- Previously, applications were always added to current study, which may not align with treatment list or other details.



GDM Employee Spotlight: Alyssa Gross

Great software starts with a great team. At GDM Solutions, our employees bring expertise, creativity, and a shared commitment to supporting agricultural research. In this month's [spotlight](#), meet Alyssa and discover more about her role on the GDM team.



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