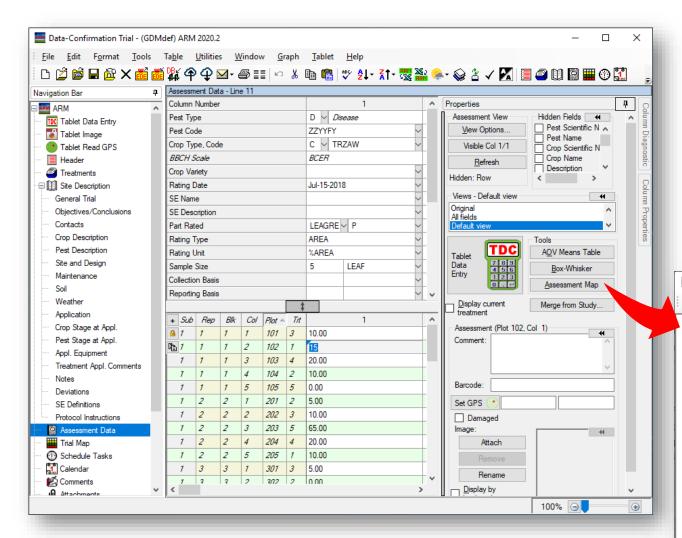
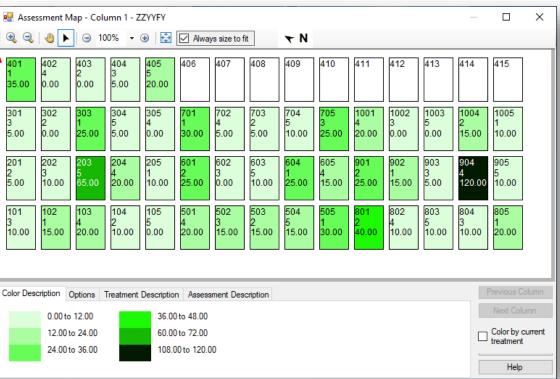
# syngenta

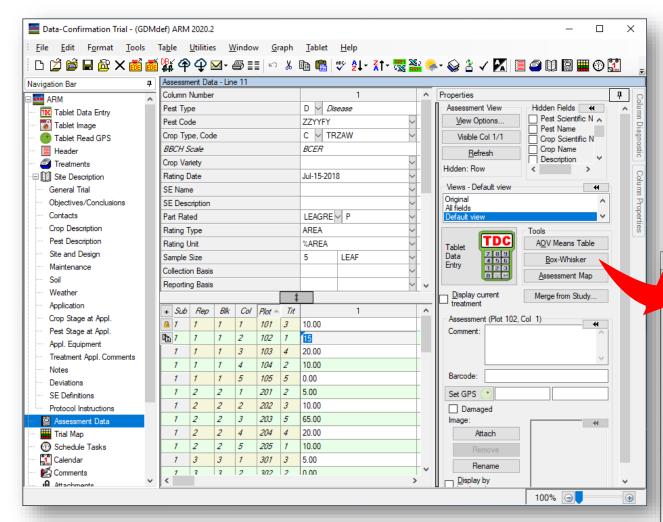
# ARM 2020.2 Data Review Quick Guide



#### **Properties: Assessment Map**

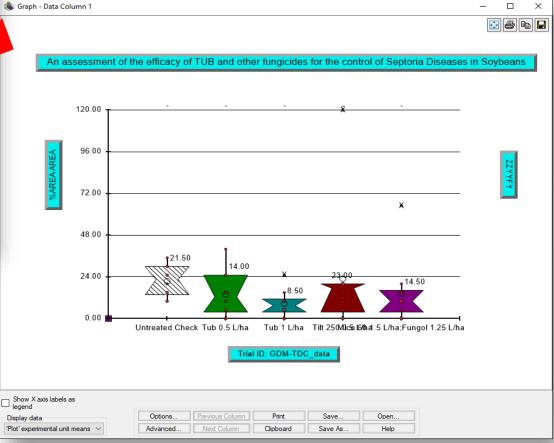
- Reduce transcription errors
- Identify potential outliers (rogue values)
- Investigate spatial/edge effects

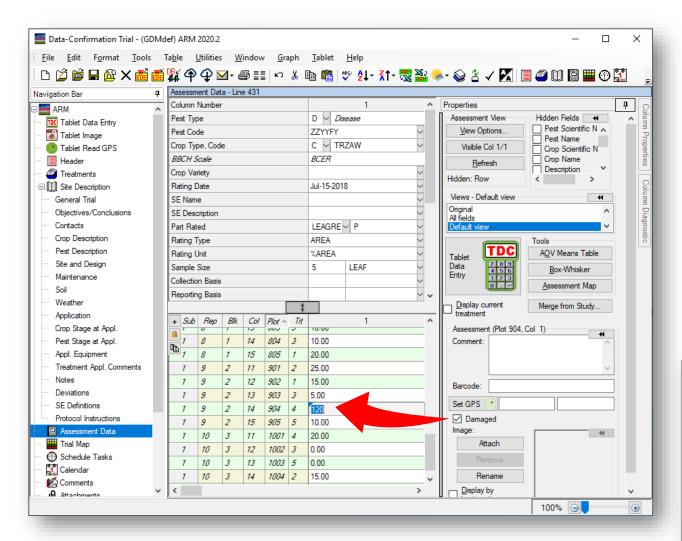




## **Properties: Box-Whisker plot**

- Reduce transcription errors
- Review treatment variance
- Assess potential outliers' effects on distribution

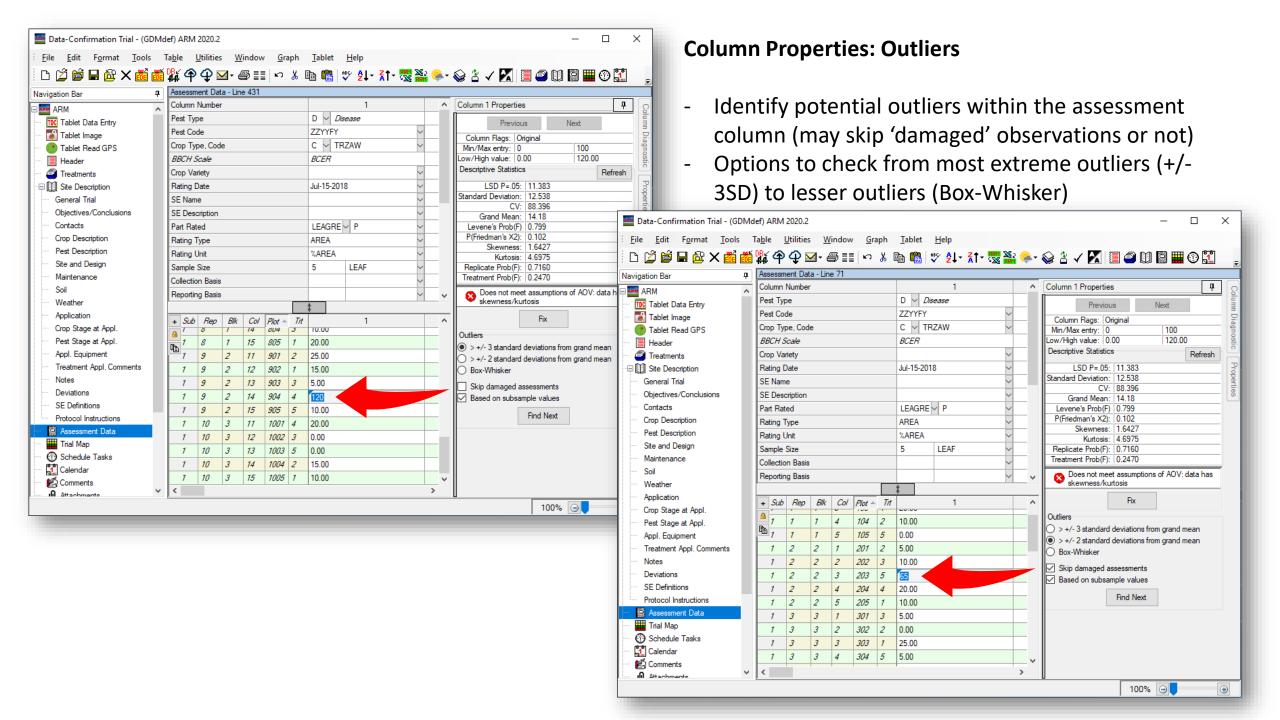


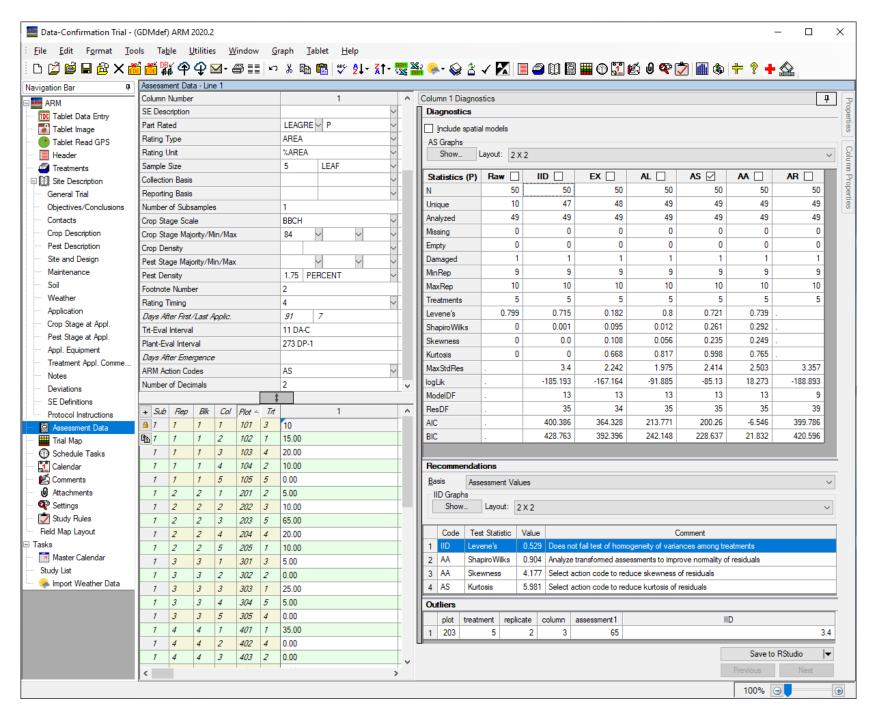


## **Properties: 'Damaged' checkbox**

- If an invalid entry is identified (i.e. human error, unexpected event in the field, etc.) it may be marked as 'damaged'
- The damaged value remains in the assessment data but it is excluded from the statistical analysis carried out within ARM

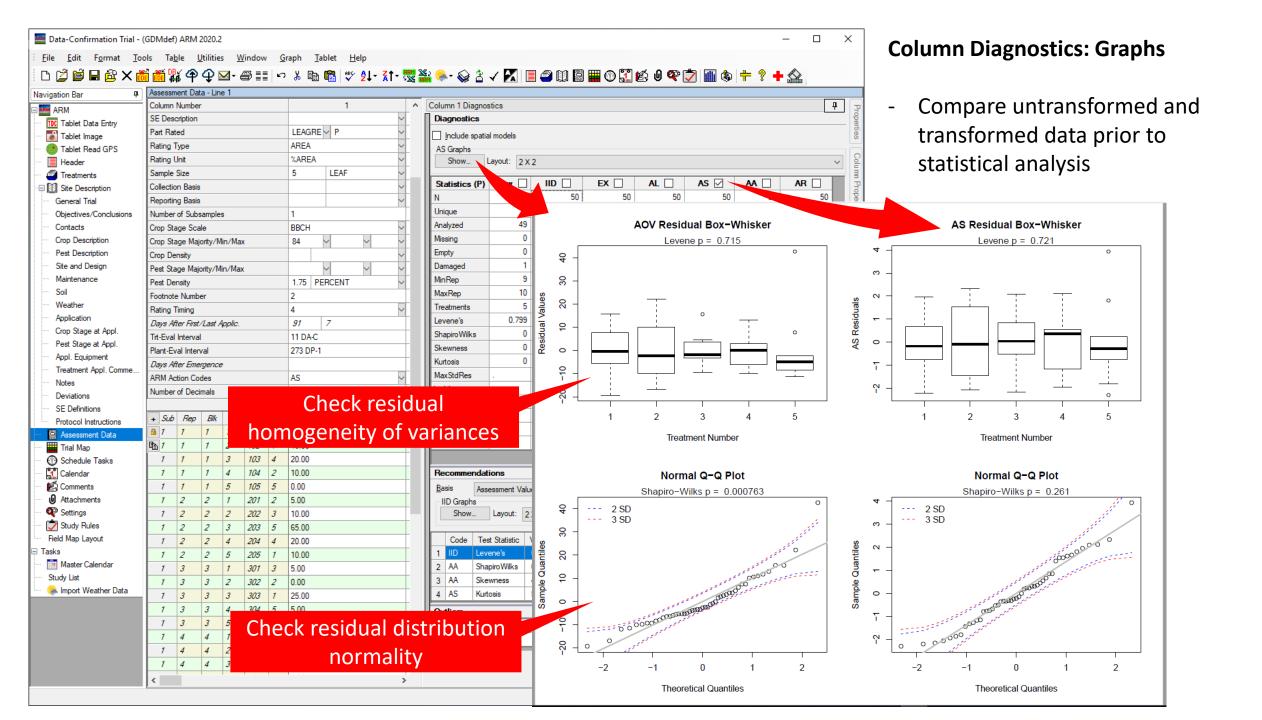
+	Sub	Rep	Blk	Col	Plot △	Trt	1
Δ	1	8	1	14	804	3	10.00
Pa (	1	8	1	<i>15</i>	805	1	20.00
	1	9	2	11	901	2	25.00
	1	9	2	12	902	1	15.00
	1	9	2	13	903	3	5.00
	1	9	2	14	904	4	120.00
	1	9	2	15	905	5	10.00
	1	10	3	11	1001	4	20.00
	1	10	3	12	1002	3	0.00
	1	10	3	13	1003	5	0.00
	1	10	3	14	1004	2	15.00
	1	10	3	15	1005	1	10.00

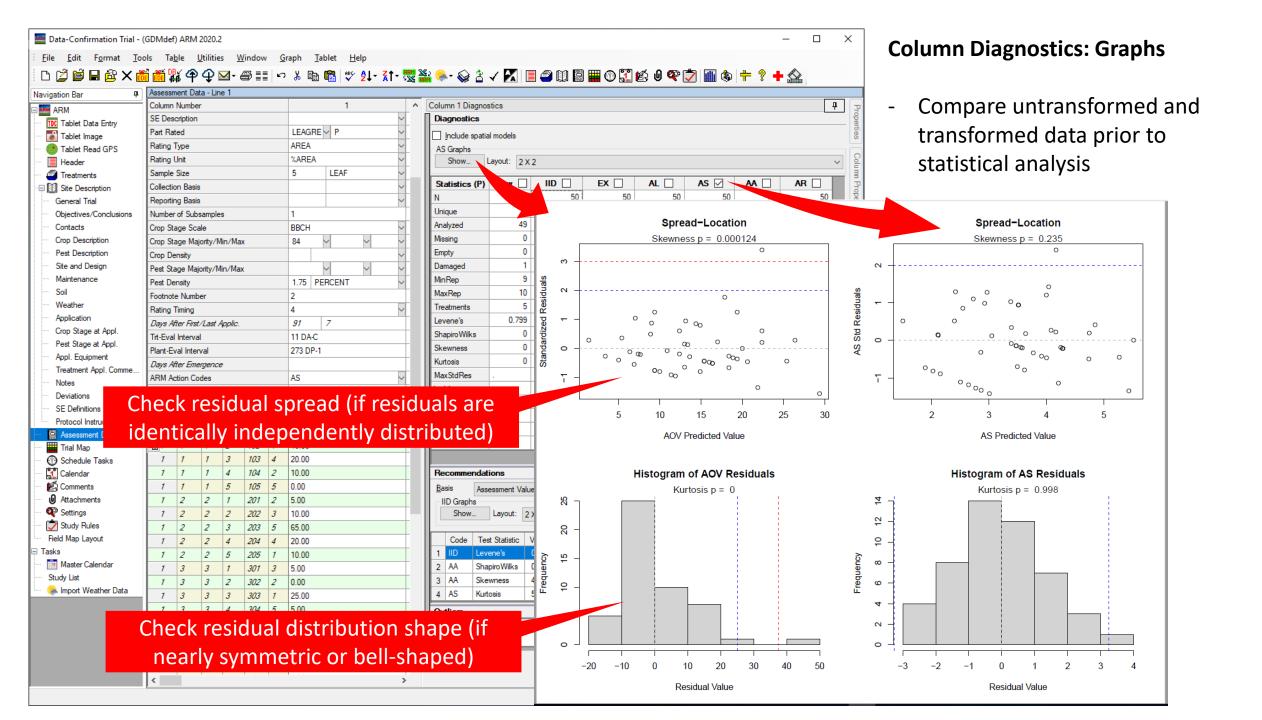




## **Column Diagnostics**

- Assessments descriptive statistics
- Analysis of Variance assumptions tests
- Model Goodness of Fit indicators
- Untransformed and transformed data comparison
- Appropriate data transformations recommendations
- Data transformation definitions can be found in the assessment header/ARM Action Codes drop-down
- Additional data transformation information can be found in the Help menu or also on GDM's website here





# **Additional Resources**

#### **GDM video tutorial:**

ARM Features: Column Diagnostics (14 min)

#### **GDM** webinar series:

<u>ARM and Statistics webinar series – Day 1 – Overview</u> (53 min)

<u>ARM and Statistics webinar series – Day 2 – Data Confirmation</u> (59 min)

<u>ARM and Statistics webinar series – Day 3 – Data Review</u> (66 min)

<u>ARM and Statistics webinar series – Day 4 – Reporting</u> (66 min)

#### **GDM** resources:

ARM Academy: training for ARM software