



Taking Pictures in ARM

Updated March 12, 2020

Taking Pictures using TDC

Video

https://www.gdmdata.com/resource_display/?id=404

Quick Guide



Adobe Acrobat
Document

Key tip: To create split screen with keyboard and camera, click
Windows>Dock

Using ARM to Rename Photos

) (G:) > Seedcare AI by Environment 2019 > 2019 Corn and Soybean Trial Visit Sites > Photos > Sibley



Plot 101.JPG



Plot 102.JPG



Plot 103.JPG



Plot 104.JPG

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Assessment Data - Line 15

Column Number	1					2					3				
Crop ID Code	1 GLXMA														
BBCH Scale	BSOY														
Crop Scientific Name	Glycine max														
Crop Name	Soybean														
Crop Variety															
Rating Date	Jun-3-2020														
SE Name	ZUSF002														
Part Rated	PLANT														
Rating Type	PESSEV														
Rating Unit	%AREA														

3

Sub	Rep	Blk	Col	Plot	Tit	1	2	3
1	3	3	1	9	1	14		
1	3	3	2	10	4	15		
1	3	3	3	11	2	10		
1	3	3	4	12	3	20		
1	4	4	1	13	4	15		
1	4	4	2	14	1	10		
1	4	4	3	15	3			
1	4	4	4	16	2			

Study Rules - Rule 1 of 113 Rule Set: Syngenta-global

Rule	Rule ID	Editor	Field	Condition	Columns/Tit Lines	Permissions	Owner ID	Rule Details	Trial Comm
1	Required	Site Description	General Trial - Discipline	Always		Everyone in my company	SYHOLA		
2	Recommended	Site Description	General Trial - Address (Location)	Always		All protocol owners	SYHOLA		
3	Required	Site Description	General Trial - City	Always		Everyone in my company	SYHOLA		
4	Required	Site Description	General Trial - Trial Country	Always		Everyone in my company	SYHOLA		
5	Required	Site Description	General Trial - Trial State	Always		Everyone in my company	SYHOLA		
6	Required	Site Description	General Trial - Latitude of LL Corner	One-year/final/Multi-year/final		Everyone in my company	SYHOLA		

Load Rule Set... Delete Rule Show all rules
Save Rule Set...

Click on Properties

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Properties

Assessment View

View Options...

Visible Col 1/1

Refresh

Hidden: Row

Hidden Fields

Acceptance Lev

Rating Time

SE Group No.

SE Description

Crop Stage Scal

Views

Original

All fields

Hidden fields with information

Hide empty fields

Default - All visible

Tools

AOV Means Table

Box-Whisker

Assessment Map

Display current treatment

Merge from Study...

Assessment (Plot 15, Col 1)

Comment:

Barcode:

GPS:

Damaged Image:

Attach

Using ARM to Rename Photos (cont.)

Assessment Data - Line 1			
Column Number	1	2	3
Crop ID Code	1 GLXMA		
BBCH Scale	BSOY		
Crop Scientific Name	Glycine max		
Crop Name	Soybean		
Crop Variety			
Rating Date	Jun-3-2020		
SE Name	ZUSF002		
Part Rated	PLANT		
Rating Type	PESSEV		
Rating Unit	%AREA		
Calculation	EF		
Sample Size	1 PLOT		
Collection Basis	1 PLOT		
Reporting Basis	1 PLOT		
Number of Subsamples	1		
Assessed By			

Properties

Assessment View

View Options...

Visible Col 1/1

Refresh

Hidden: Row

Tools

AOV Means Table

Box-Whisker

Assessment Map

Assessment (Plot 1, Col 1)

Comment:

Barcode:

GPS:

☐ Damaged Image:

Attach

Remove

Rename

+ Sub	Rep	Blk	Col	Plot	1	2	3
1	1	1	1	1	15		
1	1	1	2	2	11		
1	1	1	3	3	7		
1	1	1	4	4	14		
1	2	2	1	5	20		
1	2	2	2	6	25		
1	2	2	3	7	20		
1	2	2	4	8	14		
1	3	3	1	9	15		
1	3	3	2	10	10		
1	3	3	3	11	20		
1	3	3	4	12	15		
1	4	4	1	13	10		
1	4	4	2	14			

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Assessment Data - Line 1

Column Number

Crop ID Code

BBCH Scale

Crop Scientific Name

Crop Name

Crop Variety

Rating Date

SE Name

Part Rated

Rating Type

Rating Unit

Calculation

Sample Size

Collection Basis

Reporting Basis

Number of Subsamples

Assessed By

Open - Select image to attach

« 2019 Corn and Soybean Trial Visit Sites > Photos > Sibley

Search Sibley

Name

Date modified

Type

Plot 101.JPG

Plot 102.JPG

Plot 103.JPG

Plot 104.JPG

File name: "Plot 104.JPG" "Plot 101.JPG" "Plot 102.JPG" "Plot 103.JPG"

All Image Files (*.bmp;*.dib;*.jpg)

Open

Cancel

7

Image Import Preview

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Direction

☒ By column across 'Plot' experimental unit

☐ Across columns within 'Plot' experimental unit

Columns: 1

Sort order

☐ 'Plot' experimental unit

☒ Assessment

☐ Treatment

☐ Harvest

Number of images per 'Plot' experimental unit within an assessment column: 1

☒ Copy to trial folder ☒ Rename image

File name components

☒ Trial ID: 1 ☒ Plot: 4

☒ Trt: 2 ☐ Sub: 5

☒ Asm. Date: 3 ☐ Column ID: 6

☒ Add T, P, S, C (Trt, Plot, Sub, Col) prefix to file name components

US1GTU4192019_T0004_Jun-3-2020_P1

Sub	Rep	Col	Plot	Trt	1
1	1	1	1	4	
1	1	2	2	3	
1	1	3	3	2	
1	1	4	4	1	

Assessment Data - Line 1

Column Number	1
Crop ID Code	1 GLXMA
BBCH Scale	BSOY
Crop Scientific Name	Glycine max
Crop Name	Soybean
Crop Variety	
Rating Date	Jun-3-2020
SE Name	ZUSF002
Part Rated	PLANT
Rating Type	PESSEV
Rating Unit	%AREA
Calculation	EF
Sample Size	1 PLOT
Collection Basis	1 PLOT
Reporting Basis	1 PLOT
Number of Subsamples	1

Sub	Rep	Blk	Col	Plot	Trt	1
1	1	1	1	1	4	20
1	1	1	2	2	3	5
1	1	1	3	3	2	1
1	1	1	4	4	1	1
1	2	2	1	5	3	14
1	2	2	2	6	1	20
1	2	2	3	7	4	25
1	2	2	4	8	2	20
1	3	3	1	9	1	14
1	3	3	2	10	4	15
1	3	3	3	11	2	10
1	3	3	4	12	3	20
1	4	4	1	13	4	15
1	4	4	2	14	1	10

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Properties

Assessment View

View Options...

Visible Col 1/1

Refresh

Hidden: Row

Hidden Fields

☐ Acceptance Lev

☐ Rating Time

☐ SE Group No.

☐ SE Description

☐ Crop Stage Scal

Views

Original

All fields

Hidden fields with information

Hide empty fields

Default - All visible

Default - Brief fields visible

Default - Fertilizer fields visible

Default - Non-pest fields visible

Default - Tablet Data Entry

Tools

AOV Means Table

Box-Whisker

Assessment Map

Assessment (Plot 1, Col 1)

Comment:

Barcode:

GPS:

☐ Damaged

Image:

Attach

Remove

Rename

☐ Display by treatment

Display current treatment

Merge from Study...

- US1GTU4192019_T0001_Jun-3-2020_P4.JPG
- US1GTU4192019_T0002_Jun-3-2020_P3.JPG
- US1GTU4192019_T0003_Jun-3-2020_P2.JPG
- US1GTU4192019_T0004_Jun-3-2020_P1.JPG

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Surface Pro Best Practices

- Password\Software Maintenance:
 - Connect to VPN weekly for at least 30 minutes so updates can run on your device
 - Change password on the Surface Pro at the same time as laptop – must be on VPN
- Power configuration
 - Set sleep setting so tablet does not turn off & manage power settings to maximize battery

ARM Support

ARM Virtual Walk-In Center @ (336) 632-2622 (ADD to CONTACTS)
between the hours of 3:00 p.m. to 6:00 p.m. EST on Mondays thru
Thursdays to address any ARM issues & basic 'how to' questions.

*Other option: Send email to Angel Mintz describing issue (reminder
include dat file with issue).

BioConnect Cloud Loading Issues:

ARM Installation Issues: Schedule Zoom meeting with Hal Meyers/Daniel
Santander