

ARM Product Pulse

Your source for the latest ARM updates and best practices

Issue #26

ARM 2024.4 Features and Enhancements

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

Equipment 1
Insert Equipment with Shift+F7, Delete current Equipment with Shift+F8

Equipment Name	1.	2.
Type	BrkgsWalkInGC	
Method/Sub-type	CONTROLENV	
Method/Sub-type	GRWCHM	

Method/Sub-type List

Display All ☆ Favorites

Method/Sub-type	Method/Sub-type Description	Category
DEWCHM	dew chamber	CONTROLENV
FLDCHM	field simulation chamber	CONTROLENV
GRNHSE	greenhouse	CONTROLENV
GRWCHM	growth chamber	CONTROLENV
INCUBT	incubator	CONTROLENV
UVCHM	UV chamber	CONTROLENV
WLKCHM	walk-in growth chamber	CONTROLENV

UPDATED! Greenhouse tab renamed Controlled Environment

Generalized for other chambers/environments. Allows user to document equipment details (irrigation, light, growth chamber, etc.) and link to daily entries.

1. Navigate to Equipment tab.
2. Enter Equipment Name (free text).
3. Enter at least Type and Method/Sub-type details.
4. Select drop-down button (next to Equipment Name) or F9 to add to list for use in other trials.
5. On Controlled Environment tab, link equipment using Equipment No. field. Use the new fields for linking Light Equipment and Irrigation Equipment.

Equipment

Equipment Name	1.	2.
	BrkgsWalkInGC	BrkgsUV001

Equipment Name List

Equipment Name	Type	Method/Sub-type
BrkgsWalkInGC	IRRIGATION	SPRINK
BrkgsUV001	LIGHT	UV
BrkgsWalkInGC1	CONTROLENV	GRWCHM
ZX5-Drone	Drone	Timble ZX5

ARM - Information

No matches found. Add item to list?

Yes No

Site Description

General Trial Regulations Objectives/Conclusions Contacts Crop Description Pest Description Site and Design M

Controlled Environment (Greenhouse/Growth Chamber) 5
Insert row with Shift+F7, Delete current row with Shift+F8

No.	Date	Equipment No.	Name	Light Equipment No.	Light Equipment Name	Irrigation Equipment No.	Irrigation Equipment Name
1.		4	BrkgsWalkInGC1	1	BrkgsUV001	2	BrkgsIrrig
2.							

UPDATED! Trial Location GPS

- Added ability to use Google Maps for the Trial Location GPS.
- Note: Google Maps supports only 1 coordinate, so just Lower Left is displayed.

Trial Location GPS

Privacy and Cookies Legal Advertise About our ads

Trial Location

Trial Map... Export As Map Service: Bing Maps Bing Maps Google Maps



Site Description

General Trial Regulations Objectives/Conclusions Contacts Crop Description Pest Description Site and Design Maintenance Soil Weather Controlled Environment

Quick View: Original Planting Inoc/Infest Resistance

Pest Description
Insert Pest with Shift+F7, Delete current Pest with Shift+F8

Pest 1 Type: W Code: AMAPA Amaranthus palmeri Entry Date: Stage Scale: BBCH

Common Name: Palmer amaranth Artificial Population:

Attributes:

Resistance Characteristics: Resistance Information:

Establishment Date: Time: Stage at Establishment:

Establishment Rate: Concentration: Source:

Establishment Method/Description: Storage:

Crop: Stage at Infestation:

UPDATED! New tabs on Pest Description Quick View toolbar

- Automatically filter visible Pest Description fields by type.
- Simplifies interface to view/enter only pertinent information.
- Multi-select to view fields from multiple types at once.



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

A few minutes a day will expand your ARM knowledge.



ARM Product Pulse

Your source for the latest ARM updates and best practices

UPDATED! Site Description Report

Tables that do not fit on a single page wrap directly below the previous table section.

Overall Moisture Conditions: SLIWT slightly wet

Weather Conditions

No.	Date	Moisture Total	Unit	Min Temp	Max Temp	Avg Temp	Temp Unit	Min % Relative Humidity	Max % Relative Humidity	Avg % Relative Humidity	Min Wind	Max Wind	Avg Wind	Unit
1.	Jul-1-2024	1.8	mm	15.99	20.27	17.73	C	65	89	76.3	19.1	41.8	28.3	KPH
2.	Jul-2-2024	0.4	mm	16.54	22.96	19.802	C	68	97	83.3	0.4	20.9	11.2	KPH
3.	Jul-3-2024	0	mm	14.93	27.43	21.558	C	44	93	68.2	0	23.4	10.3	KPH
4.	Jul-4-2024	4.4	mm	15.45	21.56	18.55	C	65	92	83	0	31.3	13	KPH
5.	Jul-5-2024	0	mm	14.63	24.21	19.306	C	56	95	77.7	0	28.1	13.4	KPH
6.	Jul-6-2024	8	mm	15.07	26.8	19.583	C	46	95	77.4	0	16.2	7.6	KPH

No.	Date	% Cloud Cover	Avg Shortwave Radiation	Unit	Avg Soil Temp	Unit	0-10 cm Scaled Soil Moisture	0-200 cm Scaled Soil Moisture	Source
1.	Jul-1-2024	85	134.279	W/m2	18.782	C	0.69	0.87	DTNLLC
2.	Jul-2-2024	59	169.988	W/m2	20.201	C	0.68	0.84	DTNLLC
3.	Jul-3-2024	32	305.16	W/m2	21.388	C	0.64	0.81	DTNLLC
4.	Jul-4-2024	79	177.426	W/m2	20.347	C	0.81	0.81	DTNLLC
5.	Jul-5-2024	42	277.851	W/m2	20.608	C	0.84	0.82	DTNLLC
6.	Jul-6-2024	38	274.686	W/m2	21.563	C	0.82	0.82	DTNLLC



NEW! Report Borders

New Global report option for borders of Site Description sections:

1. No border

Treated Plot Width: 2.5 m
Treated Plot Length: 10 m
Treated Plot Area: 25.0 m²
Replications: 4
Treatments: 5
Plots: 20
Study Design: RACOB, Randomized Complete Block (RCB)
Unreplicated Arrangement: INCLUDED single control randomized in each block
Distance between Blocks: 0 m
Distance between Plot Experimental Units: 0 m

Site and Design
Site Type: FIELD field
Experimental Unit: 1 PLOT plot

1

Soil Description
Description Name: That place 1
% Sand: 23
% Silt: 54
% Clay: 23
Texture: CL clay loam
Fert. Level: F fair
pH: 4.9
CEC: 54
Soil Drainage: F fair

Application Description
Date: Apr-15-2014 Jun-3-2014 Jul-8-2014
Start Time: 2:30 PM 10:00 AM 11:15 AM
Interval to Prev. Appl.: 49 DAYS 35 DAYS
Method: SPRAY SPRAY SPRAY
Timing: ATPLAN POSPOS POSPOS
Placement: BROSOI BROFOL BROFOL

2. Single separator line

Treated Plot Width: 2.5 m
Treated Plot Length: 10 m
Treated Plot Area: 25.0 m²
Replications: 4
Treatments: 5
Plots: 20
Study Design: RACOB, Randomized Complete Block (RCB)
Unreplicated Arrangement: INCLUDED single control randomized in each block
Distance between Blocks: 0 m
Distance between Plot Experimental Units: 0 m

Site and Design
Site Type: FIELD field
Experimental Unit: 1 PLOT plot

2

Soil Description
Description Name: That place 1
% Sand: 23
% Silt: 54
% Clay: 23
Texture: CL clay loam
Fert. Level: F fair
pH: 4.9
CEC: 54
Soil Drainage: F fair

Application Description
Date: Apr-15-2014 Jun-3-2014 Jul-8-2014
Start Time: 2:30 PM 10:00 AM 11:15 AM
Interval to Prev. Appl.: 49 DAYS 35 DAYS
Method: SPRAY SPRAY SPRAY
Timing: ATPLAN POSPOS POSPOS
Placement: BROSOI BROFOL BROFOL

3. Full border

Treated Plot Width: 2.5 m
Treated Plot Length: 10 m
Treated Plot Area: 25.0 m²
Replications: 4
Treatments: 5
Plots: 20
Study Design: RACOB, Randomized Complete Block (RCB)
Unreplicated Arrangement: INCLUDED single control randomized in each block
Distance between Blocks: 0 m
Distance between Plot Experimental Units: 0 m

Site and Design
Site Type: FIELD field
Experimental Unit: 1 PLOT plot

3

Soil Description
Description Name: That place 1
% Sand: 23
% Silt: 54
% Clay: 23
Texture: CL clay loam
Fert. Level: F fair
pH: 4.9
CEC: 54
Soil Drainage: F fair

Application Description
Date: Apr-15-2014 Jun-3-2014 Jul-8-2014
Start Time: 2:30 PM 10:00 AM 11:15 AM
Interval to Prev. Appl.: 49 DAYS 35 DAYS
Method: SPRAY SPRAY SPRAY
Timing: ATPLAN POSPOS POSPOS
Placement: BROSOI BROFOL BROFOL

GDM Representative Spotlight: Srinivas Veeranki

We continue to grow our team of experts to serve you better! Meet Srinivas, our newest representative! He will provide training, sales, and technical support in India, where ARM use is rapidly growing. Srinivas has 15+ years of experience working with ARM and joined GDM in 2024.

Learn more about Srinivas [HERE](#).



Register for **FREE** training through our [ARM Academy](#)!
Earn ARM Beginner Certification - great for new and veteran users!



GDM Solutions, Inc. | PO Box 8452, Brookings, SD 57006
+1(605)692-4021 | www.gdmdata.com | support@gdmdata.com