



# DATA ENTRY PORTAL MANUAL

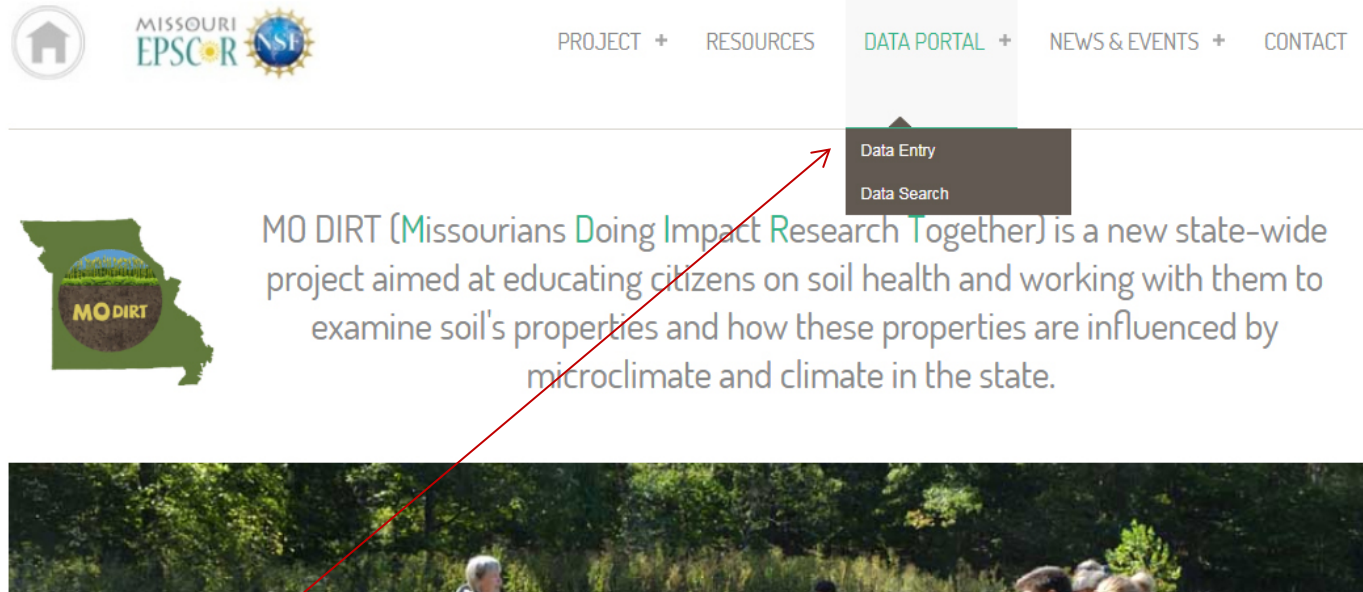
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## INSTRUCTIONS TO ENTER DATA ON-LINE FROM THE MO DIRT SOIL HEALTH SURVEYS

1. Find the Data Portal on the internet
2. Create an account (e-mail verification, password setup)
3. Data entry and save
4. Data viewing
5. Data search

# MO DIRT: Missourians Doing Impact Research Together

## 1. Find the Data Portal



**Access the MODIRT website** from a computer or a mobile device at [modirt.missouriepscor.org](http://modirt.missouriepscor.org).

Click on the **Data Portal tab** on the top menu and select **Data Entry**

or

directly type [modirt.missouriepscor.org/soilhealthsurveys](http://modirt.missouriepscor.org/soilhealthsurveys) in your browser (e.g. Google, Firefox, etc.).

# MO DIRT: Missourians Doing Impact Research Together



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## Citizen Science Soil Health Surveys

High school students, landowners, farmers, science clubs, life-long learners, and all citizens committed to research are invited to conduct soil health surveys to collect and contribute data that will help scientists understand how soil health and soil-climate interactions are affected in the state.

Volunteer citizens (teenagers, adults, families), working as individuals or in small teams, conduct soil health surveys in study sites of their choosing. A site should be representative of a natural system (prairie, forest, woodland) or an anthropogenic system (grassland, crop fields, animal fields). The sites are monitored monthly between the months of February and November for at least one year. MO DIRT provides training, a manual and a soil kit to conduct the soil health surveys.



Click [here](#) to see the content of the soil kit.

The data generated from the soil surveys provide baseline information that is shared through the [MO DIRT Data Search Portal](#).

This information gives participants the opportunity to learn about data management. The data is also used by educators for teaching purposes, land owners for management decisions, and scientists to better understand the health status of Missouri soils with changing weather patterns leading to climate change.

### Data Entry Login

Username \*

Password \*

> [Create new account](#)

> [Request new password](#)

Log in

Login is only for soil survey participants

## In the Data Entry Portal site:

### Use the menu to:

- access the overview page of the data portal [Overview].
- download the soil health survey manual, the data entry manual, and the habitat guide [Resources].
- find out future and past training sessions on how to conduct soil health surveys [Training Sessions].
- learn how many survey sites, participants, and institutions are involved in the soil health surveys. Also see a map including locations and habitats being monitored [Demographics].

**Use the Data Entry Login** to create an account and enter data.

# MO DIRT: Missourians Doing Impact Research Together

## 2. Create an account



PROJECT + RESOURCES

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## Citizen Science Soil Health Surveys

**High school students, landowners, farmers, science clubs, life-long learners, and all citizens** committed to research are invited to conduct soil health surveys to collect and contribute data that will help scientists understand how soil health and soil-climate interactions are affected in the state.

Volunteer citizens (teenagers, adults, families), working as individuals or in small teams, conduct soil health surveys in study sites of their choosing. A site should be representative of a natural system (prairie, forest, woodland) or an agricultural system. Sites are monitored monthly between the months of May and October. The data generated from the soil surveys will be made available through an open access on-line website.

This information will give participants the opportunity to share data with teachers with access to the data for classroom use. This will help better understand how soil health is being affected across the state with changing weather patterns leading to climate change.

Use the links above to access the soil health survey manual, the training sessions, and the demographics of the project.

**To enter data you need to create an account in order to access the Data Portal.**

**Enter your data by [clicking here](#).**

Click here to create your account.

## Data Entry Login

Username \*

Password \*

> [Create new account](#)

> [Request new password](#)

Log in

*Login is only for soil survey participants.*



\* Denotes field is required

First Name \*

Last Name \*

Institution/Organization \*

County \*

Enter the county name of your current location.

Reason for account \*

Briefly explain why you are requesting a MO DIRT account.

Your answer will not be visible on your profile. Only site administrators will be able to view this field.

Data Sharing Permissions \*

Select your survey data sharing preferences below. Regardless of your sharing preference, all data in the portal will be accessible to EPSCoR scientists and MO DIRT administrators if required.

- ☐ **Public:** Accessible to the public through this web (no login required). Your name, e-mail address, site address (street and city) and other contact information will remain private.
- ☐ **Semipublic:** Accessible only to other participants of the soil health surveys (login required). Your name, e-mail address, site address (street and city) and other contact information will remain private.
- ☐ **Semiprivate:** Accessible neither to the public nor with other soil health survey participants. Your contact information will be available if needed by EPSCoR.

Username \*

Spaces are allowed; punctuation is not allowed except for periods, hyphens, apostrophes, and underscores.

E-mail address \*

A valid e-mail address. All e-mails from the system will be sent to this address. The e-mail address is not made public and will only be used if you wish to receive a new password or wish to receive certain news or notifications by e-mail.

[Create new account](#)

Fill the fields to **create your account**.

An e-mail verification is required to create an account. Make sure that the name in the account is from a person that attended a training.

Select the level of sharing of your data (public (default), MO DIRT participants, EPSCoR researchers).

After you click "**Create new account**", you will receive an e-mail with instructions on how to log in and set a password.



From: [modirt@modirt.missouriepscor.org](mailto:modirt@modirt.missouriepscor.org)

To: [sample\\_user@mail.com](mailto:sample_user@mail.com)

Subject: Account details for sample\_user at MO DIRT (approved)

sample\_user,

Your account at MO DIRT has been activated.

You may now log in by clicking this link or copying and pasting it into your browser:

[http://modirt.missouriepscor.org/user/reset/17/1483470451/HR\\_eFhLhdwXz7trC0OonuKv8IC\\_Jpa\\_AT\\_7lVQugzcKw](http://modirt.missouriepscor.org/user/reset/17/1483470451/HR_eFhLhdwXz7trC0OonuKv8IC_Jpa_AT_7lVQugzcKw)

This link can only be used once to log in and will lead you to a page where you can set your password.

After setting your password, you will be able to log in at <http://modirt.missouriepscor.org/user> in the future using:

username: sample\_user

password: Your password

-- MO DIRT team

---

This is an example of the e-mail you will receive after your information has been verified.

You have to click on the URL from the e-mail to verify your account and set the password before you can access the data portal.

# MO DIRT: Missourians Doing Impact Research Together



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## 3. Data entry

Home / Citizen Science Soil Health Surveys / MO DIRT Data Entry Portal

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## MO DIRT Data Entry Portal

Welcome, sarango

Enter the data in the links below according to the survey month and year.

Group Information Form not yet submitted.

> [Submit data](#)

Site Description Form not yet submitted.

> [Submit data](#)

Monthly Survey Form for **Aug 2017** not yet submitted.

> [Submit data](#)

Twice a Year Survey Form for **Aug 2017** not yet submitted.

> [Submit data](#)

### Surveys on other months (optional)

If you collect monthly data in December or January, enter your data [here](#).

If you collect twice a year data in a month other than May or August, enter your data [here](#).

### Site Information

Site ID: 12

Location: Not yet entered

Habitat Type: Not yet entered

**When you enter the portal for the first time, you will see a section to enter the data for each type of form (Group Information, Site Description, Monthly data, Twice a year data).**

**If you collected data on a month different from the surveys' schedule you can enter that data here.**

Survey date on or after: Survey date on or before: Survey type:

-Year ▼ -Month ▼

-Year ▼ -Month ▼

All Types ▼

Search

Enter the username to masquerade as.

No surveys submitted.

# MO DIRT: Missourians Doing Impact Research Together



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## MO DIRT Data Entry Portal

Welcome, sarango

Site Information

Enter the data in the links below according to the survey month and year.

Group Information Form not yet submitted.

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Site Description Form not yet submitted.

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Monthly Survey Form for **Aug 2017** not yet submitted.

> [Submit data](#)

Twice a Year Survey Form for **Aug 2017** not yet submitted.

> [Submit data](#)

## Surveys on other months (optional)

If you collect monthly data in December or January, enter your data [here](#).

If you collect twice a year data in a month other than May or August, enter your data [here](#).

Survey date on or after: Survey date on or before: Survey type:

-Year ▼

-Month ▼

-Year ▼

-Month ▼

All Types



Search

No surveys submitted.

Click here to fill the **Group Information** form.

> [View user profile](#)

Log out

Masquerade (admins only)

Go

Enter the username to masquerade as.



Date of Survey \* This field is required.

E.g., 04/18/2017

Enter the survey date in the form MM/DD/YYYY or select the survey date from the pop-up calendar

Group Name

Participant Names

List names of participants separated by commas.

Institution

School, youth organization, etc.

▼ Contact Information of Survey Leader

Name

E-Mail Address

Phone Number

Enter the phone number with area code in the format xxx-xxx-xxxx.

When you are finished filling out this form, click **Save** at the bottom of the page to submit

If you have any questions on entering data, contact [MODirtWebmaster@dartforthcenter.org](mailto:MODirtWebmaster@dartforthcenter.org)

Revision information

No revision

URL path settings

No alias

Comment settings

Closed

Authoring information

By sarango

Publishing options

Published

Revision information

☐ Create new revision

Revision log message

Provide an explanation of the changes you are making. This will help other authors understand your motivations.

After you click on the **Group Information form**, you have this view. Fill the form.

- It is very important to enter the Date of when you collected the data, since it is the field that connects all the data from the different forms of a particular survey.
- Check that the format of the Date of Survey is correct.
- Don't forget to Save or you will loose your data.
- You can update this information at any time.

Save

# MO DIRT: Missourians Doing Impact Research Together

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Home / Group Information for Cherokee Team as of 02/21/2016



Group Information Form *Group Information for Cherokee Team as of 02/21/2016* has been created.

## Group Information for Cherokee Team as of 02/21/2016

**Date of Survey:** 02/12/2016

**Group Name:** Flying Cows

**Participant Names:** Margarita Celicante and Jim Supito

**Institution:** Private Land – Farm The Mules

User menu

> [View user profile](#)

[Log out](#)

## Contact Information of Survey Leader

**Name:** Randy Ciarlante

**E-Mail Address:** R.C.2014@gmail.com

**Phone Number:** (XXX) XXX-XXXX



[« Back to Data Portal](#)



After you save the Group Information form, you will be able to **view** it.

At the bottom there is a link that will bring you to the home of the Data Portal to continue the data entry.

# MO DIRT: Missourians Doing Impact Research Together



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## MO DIRT Data Entry Portal

Welcome, sarango

Enter the data in the links below according to the survey month and year.

Group Information Form not yet submitted.

> [Submit data](#)

Site Description Form not yet submitted.

> [Submit data](#)

Monthly Survey Form for **Aug 2017** not yet submitted.

> [Submit data](#)

Twice a Year Survey Form for **Aug 2017** not yet submitted.

> [Submit data](#)

## Surveys on other months (optional)

If you collect monthly data in December or January, enter your data [here](#).

If you collect twice a year data in a month other than May or August, enter your data [here](#).

Survey date on or after: Survey date on or before: Survey type:

-Year ▼

-Month ▼

-Year ▼

-Month ▼

All Types

▼

Search

No surveys submitted.

### Site Information

Site ID: 12

Location: Not yet entered

Habitat Type: Not yet entered

Click here to fill the **Site Description form**

> [View user profile](#)

Log out

### Masquerade (admins only)

Go

Enter the username to masquerade as.

Home » Add content



## MO DIRT Citizen Science Project Soil Survey Form

Annual, one-time data collection

Date of Survey \* This field is required.

E.g., 04/18/2017

Enter the survey date in the form MM/DD/YYYY or select the survey date from the pop-up calendar.

Site Address

Address (Street No. and Name)

e.g., 123 Main St.

City

County

State

MO

Zip Code

After you click on the **Site Description form**, you have this view (partial view here).

Fill the form and save.

Site Description

Mean Annual Temperature (°C)

Total Annual Precipitation (mm)

Elevation (m)

Slope (%)

Aspect

## ▼ Site Description Continuation

\*\*\* These fields can be updated in the following surveys if necessary.

### Study Site Landscape Position

- None - ▼

## ▼ Habitat Type

Habitat Type \*\*\*

- Select a value - ▼

### Topography

Hills, ridges, depressions, knolls, potholes, etc.

### Present Land Management \*\*\*

- ☐ Logging \*\*\*
- ☐ Reforestation \*\*\*
- ☐ Pesticides \*\*\*
- ☐ Fertilizers \*\*\*
- ☐ Irrigation \*\*\*
- ☐ Tourism \*\*\*
- ☐ Prescribed burns \*\*\*
- ☐ Flooding \*\*\*
- ☐ Undisturbed \*\*\*
- ☐ Other \*\*\*

### Past Land Management History \*\*\*

- ☐ Logging \*\*\*
- ☐ Reforestation \*\*\*
- ☐ Pesticides \*\*\*
- ☐ Fertilizers \*\*\*
- ☐ Irrigation \*\*\*

## Continuation of Site Description form:

Fields with three asterisks (\*\*\*) can be updated in the following surveys.

The other fields are locked after saving the form.

If you need to change one of the locked fields contact us at:

[MODirtWebmaster@danforthcenter.org](mailto:MODirtWebmaster@danforthcenter.org)

☐ Other \*\*\*

### Past Land Management History \*\*\*

- ☐ Logging \*\*\*
- ☐ Reforestation \*\*\*
- ☐ Pesticides \*\*\*
- ☐ Fertilizers \*\*\*
- ☐ Irrigation \*\*\*
- ☐ Tourism \*\*\*
- ☐ Prescribed burns \*\*\*
- ☐ Flooding \*\*\*
- ☒ Other \*\*\*

Select an option from the list or choose "other" to enter custom text.

Other:

Undisturbed

### Land Management Updates

Enter any changes in the land management of your site.

Date

Describe the change

E.g., 04/2018

Add a land management update

## Continuation of Site Description form:

With time, the habitat of your survey site may experience some changes (burning, logging, fertilizing, etc.). You can include those changes in the section **“Land Management Updates”**.

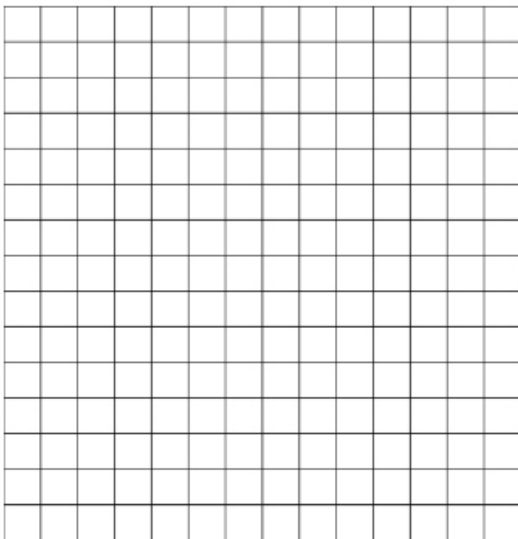
You will only see this option after you have filled the Site Description form for the first time.

You will be able to include a date and a description of the change in your habitat.



## ▼ Drawing of Site

Aerial view of site showing replicates sites and location of landmarks (river, lake, road, etc.) and other features you think are is optional if you do not have a way to create a digital image of it.



Click on the image to open a larger version in a new window or tab.

### Drawing of Site

No file chosen

Upload your drawing here.  
Files must be less than 25 MB.  
Allowed file types: png gif jpg jpeg.

Scale 1 inch = \_\_\_\_ ft

Enter the number of feet represented by 1 inch (two squares in the grid) or enter "NA" to indicate that the sketch is not to scale.

## Continuation of Site Description form:

Upload a drawing of your site (optional).

Upload a photo of the habitat of your site.

Save at the bottom of the page.

## ▼ Survey Site Habitat Photo(s)

### Photo

No file chosen

Files must be less than 25 MB.  
Allowed file types: png gif jpg jpeg.

Date of Survey: 11/26/2015

▼ Site Address

**Address (Street No. and Name):** 1030 Madison 9418

**City:** Fredericktown

**County:** Madison

**Zip Code:** 63645

**State:** MO

▼ Site Description

**Mean Annual Temperature (°C):** 12.72

**Total Annual Precipitation (mm):** 1162

**Elevation (m):** 279

**Slope (%):** 0

**Aspect:** N/A

▼ Geographical Coordinates in Decimal Degrees

Replicate Number	Latitude	Longitude
1	37.482900	-90.314600
2		
3		
4		
5		

**Map Unit Name:** Clarksville-Scholten complex

**Map Unit Symbol:** 73140

**Study Site Landscape Position:** SH

**Habitat Type:** Forest

**Topography:** Ridge

**Signs of Erosion:** None

**Present Land Management:** Undisturbed

**Past Land Management History:** Undisturbed

You can **view the information of the site description** after saving.

Click the link at the bottom of the page to go back to the Data Portal home.

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## MO DIRT Data Entry Portal

After you filled your Site Description form, the **Site Information** section is completed providing a Site ID (automatically generated by the website), a location (county and zip code), and a Habitat Type.

### Site Information

Site ID: 21  
Location: Madison County, MO 63645  
Habitat Type: Forest

### User menu

> [View user profile](#)

Log out

### Masquerade (admins only)

Go

Enter the username to masquerade as.

Monthly Survey Form for **Aug 2017** not yet submitted.

> [Submit data](#)

Twice a Year Survey Form for **Aug 2017** not yet submitted.

> [Submit data](#)

## Surveys on other months (optional)

If you collect monthly data in December or January, enter your data [here](#).

If you collect twice a year data in a month other than May or August, enter your data [here](#).

Survey date on or after: Survey date on or before: Survey type:

-Year ▼ -Month ▼

-Year ▼ -Month ▼

All Types ▼

Search

No surveys submitted.

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## MO DIRT Data Entry Portal

Welcome, sarango

Enter the data in the links below according to the survey month and year.

Group Information Form not yet submitted.

[Submit data](#)

Site Description Form not yet submitted.

[Submit data](#)

Monthly Survey Form for **Aug 2017** not yet submitted.

[Submit data](#)

Twice a Year Survey Form for **Aug 2017** not yet submitted.

[Submit data](#)

## Surveys on other months (optional)

If you collect monthly data in December or January, enter your data [here](#).

If you collect twice a year data in a month other than May or August, enter your data [here](#).

### Site Information

Site ID: 12

Location: Not yet entered

Habitat Type: Not yet entered

### User menu

Click here to fill the **Monthly Data Collection** form.

(ins only)

Go

Enter the username to masquerade as.

Date of Survey \* This field is required.

04/18/2017

E.g., 04/18/2017

Enter the survey date in the form MM/DD/YYYY or select the survey date from the pop-up calendar.

#### Temperatures and Cloud Cover

Enter the measured temperatures. As you type, the average soil temperature at 5 cm depth will be automatically calculated.

Replicate Number	Air Temperature (°C)	Soil Temperature (°C) at Surface (0 cm Depth)	Soil Temperature (°C) at 5 cm Depth	Soil Temperature (°C) at 10 cm Depth
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Average Soil Temperature (°C) at 5 cm Depth

Average for five replicates (automatically calculated).

Cloud Cover (%)

#### Soil Respiration

Time of data collection as hh:mm where hh range is 00-23 and mm range is 00-59. Color number by hour (h).

Hour (h)	Time	Color
0	<input type="text"/>	- None - ▾
1	<input type="text"/>	- None - ▾
2	<input type="text"/>	- None - ▾
3	<input type="text"/>	- None - ▾
4	<input type="text"/>	- None - ▾

### Monthly form:

Enter the Date of Survey again. Make sure it matches the date in your paper form.

Fill the fields with the respective information from your field form (paper form) (This is a partial view of the form).

Save.

Click on the link at the bottom of the page to return to the Data Portal home page.

Date of Survey: 02/21/2016

▼ Temperatures and Cloud Cover

Replicate Number	Air Temperature (°C)	Soil Temperature (°C) at Surface (0 cm Depth)	Soil Temperature (°C) at 5 cm Depth	Soil Temperature (°C) at 10 cm Depth
1	15.00	16.00	11.00	9.00
2	16.00	15.00	11.00	9.00
3	14.00	14.00	10.00	9.00
4	13.00	15.00	11.00	9.00
5	15.00	15.00	10.00	9.00

▼ Soil Respiration

Color Number By Hour:

Hour (h)	Time	Color
0	11:34	0
1	12:30	0
2	01:30	2
3		
4	03:30	6
5		
10		
24		

▼ Interpretation of Colors for CO<sub>2</sub>-C Emissions (lbs/acre/day) after 24 Hours

CO<sub>2</sub>-C Emissions at Room Temperature: >150-400

CO<sub>2</sub>-C Emissions at Field Soil Temperature: >90-240

Notes:

Soil respiration at the 4 hour measured with a color meter is: Color: 5.24 lb/acre CO<sub>2</sub>-C: 73

▼ Calculations for Bulk Density, Water Content, and Soil Water-Filled Pore Space (%WFP)

## Monthly form view:

You can view the monthly data entered after saving.

Click the link at the bottom of the page to go back to the Data Portal home.



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## MO DIRT Data Entry Portal

Welcome, sarango

Enter the data in the links below according to the survey month and year.

Group Information Form not yet submitted.

[> Submit data](#)

Site Description Form not yet submitted.

[> Submit data](#)

Monthly Survey Form for **Aug 2017** not yet submitted.

[> Submit data](#)

Twice a Year Survey Form for **Aug 2017** not yet submitted.

[> Submit data](#)

## Surveys on other months (optional)

If you collect monthly data in December or January, enter your data [here](#).

If you collect twice a year data in a month other than May or August, enter your data [here](#).

Go to the **Twice a Year Data Collection form** during the months of May and August.

### Site Information

Site ID: 12

Location: Not yet entered

Habitat Type: Not yet entered

### User menu

[> View user profile](#)[Log out](#)

### Masquerade (admins only)

[Go](#)

Enter the username to masquerade as.

Date of Survey \* This field is required.

04/18/2017

E.g., 04/18/2017

Enter the survey date in the form MM/DD/YYYY or select the survey date from the pop-up calendar.

## ▼ Chemical Soil Properties

Composite Sample

N - Value from Color Comparator and Equivalency in ppm

- None - ▼

Select value from color comparators and equivalency in parts per million (Mg/Liter) based on table 9 in protocol.

P - Value from Color Comparator and Equivalency in ppm

- None - ▼

Select value from color comparators and equivalency in parts per million (Mg/Liter) based on table 9 in protocol.

K - Value from Color Comparator and Equivalency in ppm

- None - ▼

Select value from color comparators and equivalency in parts per million (Mg/Liter) based on table 9 in protocol.

pH

- None - ▼

Select pH number and corresponding pH category (alkaline - very acid).

Active Carbon (lbs/A) and Soil Quality

- None - ▼

Select the active carbon in pounds per acre (lbs/A) and corresponding soil quality based on color chart.

Use Table 10 to interpret the data.

Organic Matter (%)

After you send the organic matter sample for testing, the results will be sent to you. You should enter the value of % organic matter here.

Notes

When you are finished filling out this form, click **Save** at the bottom of the page to submit your data.

If you have any questions on entering data, contact [MODirtWebmaster@danforthcenter.org](mailto:MODirtWebmaster@danforthcenter.org).

## Twice a year form:

Enter the **Date of Survey** again. Make sure it matches the date in your paper form.

Fill the fields with the respective information in your field form (paper form) for the Twice a Year variables.

Save.

Click on the link at the bottom to return to the Data Portal home page.

## Twice a Year Data Collected 10/24/2015

View

Edit



### MO DIRT Citizen Science Project Soil Survey Form

#### Twice a year data collection

User menu

> View user profile

Log out

Date of Survey: 10/24/2015

▼ Chemical Soil Properties

#### Composite Sample

**N - Value from Color Comparator and Equivalency in ppm:** N0 - 0

**P - Value from Color Comparator and Equivalency in ppm:** P0 - 5

**K - Value from Color Comparator and Equivalency in ppm:** K0 - 50

**pH:** 6.0 (Acid)

**Active Carbon (lbs/A) and Soil Quality:** >0 - 400 (Poor)

« Back to Data Portal

You can **view the twice a year data** entered after saving.

Click the link at the bottom of the page to go back to the Data Portal home.

Welcome, Cherokeeappass

Site Information

Enter the data in the links below according to the survey month and year.

Monthly Survey Form for **Jun 2017** not yet submitted.

> [Submit data](#)

Monthly Survey Form for **Apr 2017** not yet submitted.

> [Submit data](#)

Monthly Survey Form for **Mar 2017** not yet submitted.

> [Submit data](#)

Monthly Survey Form for **Jul 2016** not yet submitted.

> [Submit data](#)

Monthly Survey Form for **Apr 2016** not yet submitted.

> [Submit data](#)

## Surveys on other months (optional)

If you collect monthly data in December or January, enter your data [here](#).

If you collect twice a year data in a month other than May or August, enter your data [here](#).

## History

[Click here to start a new search](#)

Survey date on or after: Survey date on or before: Survey type:

-Year ▼

-Month ▼

-Year ▼

-Month ▼

All Types ▼

Date of Survey	Survey Type	View Survey Data	Update Survey Data
2017-09	Monthly Data Collection Form	<a href="#">HTML</a>   <a href="#">PDF</a>	<a href="#">Update</a>
2017-08	Monthly Data Collection Form	<a href="#">HTML</a>   <a href="#">PDF</a>	<a href="#">Update</a>
2017-08	Twice a Year Data Collection Form	<a href="#">HTML</a>   <a href="#">PDF</a>	<a href="#">Update</a>
2017-07	Monthly Data Collection Form	<a href="#">HTML</a>   <a href="#">PDF</a>	<a href="#">Update</a>

After you entered data, you will have a view of the **history** of the data entered for each form you filled (rows).

**To search the data**, select the time range (year(s) and month(s)) and the type of form.

You can **view** the data by clicking on HTML to see the form in your account, or clicking PDF to download the form as a pdf file.

**To edit or update** your forms click on Update.

## About this Data

Welcome to the MO DIRT Data Search Portal. Here you have access to the soil health survey data collected by the citizen scientists of MO DIRT since 2015. This data includes measurements of physical, chemical, and biological soil health indicators from different sites in the state of Missouri. The sites represent a range of soil types and land uses. You can search and download the data based on site location or habitat type. See instructions below. The searched data is presented in a table where each row represents a soil survey organized by collection site (Site ID). The columns in the table represent site description parameters or soil health indicators. This data has been screened for errors. However, it is possible that you may find inconsistencies. We will appreciate if you let us know any suggestions about the data at [modirt@danforthcenter.org](mailto:modirt@danforthcenter.org). To know how the data was collected, visit the Data Portal website. Click here to access the Soil Health Survey Manual, the Data Entry Manual, and the Habitat Guide.

### Search and Display Options

1. Use Search Type: On the top left column select how you will do your search based on site location, habitat, or including all sites.
2. To search by site location: Use the **Map Site Search** to view the map of collection sites and search for a specific site based on its location. Click on a site (red icon) to obtain the ID number, habitat type, and county and zip code rather than by individual variables.
3. To search sites by habitat type: Use the **Table Filters** (left column) to select the habitat type(s), variables, and date range of your interest.

Note that the table can be very large. Use the horizontal scrollbar at the bottom of the table to view all of the columns and the vertical scrollbar (if present) to view all of the rows on the current page. You may also hide the filter menu to allow the table to expand to the full width of the page by clicking **Hide filter menu** directly above it. (Once hidden, click **Show filter menu** to make it visible again.)

### Export Data

To export the table as a spreadsheet, click on either the **CSV** or **Excel** button above the table to export the table as a CSV (comma-separated values) or Excel file, respectively.

Note: If you do not have Excel, use the CSV option as that is compatible with all spreadsheet programs.

## Map Site Search

Each marker on the map represents a collection site. Click on a marker to view information about that site and/or include or exclude the site from the table search.



### Hide filter menu

#### Search Type

Select one of the following options to begin your search:

- ☐ Search by Site ID based on site location in map
- ☒ Search by Habitat Type (e.g. forest, cropland, etc.)
- ☐ Include All Sites

#### Table Filters

##### Habitat Types

Check all | Uncheck all

- ☒ Forest
- ☒ Woodland
- ☒ Prairie
- ☒ Grassland
- ☒ Cropland tillage
- ☒ Other

##### Variables

Check all | Uncheck all

- ☒ Site Description
  - County & Zip Code
  - Coordinates
  - Mean Temperature & Precipitation
  - Elevation
  - Slope
  - Aspect
  - Soil Map Unit
  - Landscape Position
  - Present & Past Land Management
- ☒ Soil Core Variables Data
  - Layer Number (up to 4)
  - Texture
  - Color

					Site Address		Geographical Degrees			
Site ID	Survey Date (Year & Month)	Survey Date (Year)	Survey Date (Month)	Collection Period	County	State	Zip Code	Latitude (Replicate 1)	Longitude (Replicate 1)	Mean Annual Temperature (°C)
21	2017-06	2017	06	Once a year	Madison	MO	63645	37.482900	-90.314600	12.72
21	2017-07	2017	07	Monthly	Madison	MO	63645	37.482900	-90.314600	12.72
21	2017-05	2017	05	Monthly	Madison	MO	63645	37.482900	-90.314600	12.72
21	2017-02	2017	02	Monthly	Madison	MO	63645	37.482900	-90.314600	12.72
21	2016-11	2016	11	Monthly	Madison	MO	63645	37.482900	-90.314600	12.72
21	2016-10	2016	10	Monthly	Madison	MO	63645	37.482900	-90.314600	12.72
21	2016-09	2016	09	Monthly	Madison	MO	63645	37.482900	-90.314600	12.72
21	2016-08	2016	08	Monthly	Madison	MO	63645	37.482900	-90.314600	12.72
21	2016-06	2016	06	Monthly	Madison	MO	63645	37.482900	-90.314600	12.72
21	2016-05	2016	05	Monthly	Madison	MO	63645	37.482900	-90.314600	12.72
21	2016-03	2016	03	Monthly	Madison	MO	63645	37.482900	-90.314600	12.72
21	2016-02	2016	02	Monthly	Madison	MO	63645	37.482900	-90.314600	12.72
21	2015-11	2015	11	Monthly	Madison	MO	63645	37.482900	-90.314600	12.72
21	2015-10	2015	10	Monthly	Madison	MO	63645	37.482900	-90.314600	12.72
28	2016-02	2016	02	Once a year	Bollinger	MO	63764	37.198035	-90.100991	13.78
28	2017-06	2017	06	Monthly	Bollinger	MO	63764	37.198035	-90.100991	13.78
28	2017-05	2017	05	Monthly	Bollinger	MO	63764	37.198035	-90.100991	13.78
28	2017-04	2017	04	Monthly	Bollinger	MO	63764	37.198035	-90.100991	13.78
28	2017-03	2017	03	Monthly	Bollinger	MO	63764	37.198035	-90.100991	13.78

## 5. Data search

Access the Data Search Portal at <http://modirt.missouriepscor.org/soilhealthsurveys/search-data> to search and download the soil health data collected by the MO DIRT citizen scientists.

You can search data by habitat or location selecting filters for the variables of interest.

If you need assistant contact us at:

MODirtWebmaster@danforthcenter.org

modirt@danforthcenter.org

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