



# Dr. Rafiq Islam

## Project Title

Soil Organic Matter Calculator

## Biography

Dr. Rafiq Islam is the Program Director of the Soil, Water and Bioenergy Resources Program at the Ohio State University South Centers. He provides overall leadership for soil, water, and bioenergy research, Extension, and educational programs on sustainable management of crop, soil, and water resources and on advanced energy across geographical boundaries. Dr. Islam serves as a source of technical information for Extension educators, professionals, and state- and federal personnel to deliver holistic research-based information to clientele. He supervises research associates, field and laboratory research, undergraduate students, post-doctoral fellows, and visiting scholars. Rafiq advises graduate thesis and dissertation research, and serve on graduate studies committees. He performs outreach activities and disseminates research findings at the national and international professional and Extension annual meetings.



## Project Description

Soil organic matter (SOM) is the composite indicator of soil health but few tools are available to predict SOM changes associated with soil health. Dr. Islam's goal is to develop a farmer-friendly spread-sheet based SOM calculator that will allow producers to select management practices that conserve or build SOM and improve soil health to increase soybean productivity. The proposal will be based on soil and crop data collected from farmer fields and long-term experiments.

