



Hydraulic Soil Sampling

Sustainable Environmental Consultants uses a truck with an in-cab, hydraulic soil sampler to collect soil samples. The four-wheel drive truck is equipped with an Amity Technology 2400 In-Cab Soil Sampler. The hydraulic probe only takes about 20 – 30 seconds to pull a 24-inch sample which allows us to collect a substantial number of cores in a short amount of time. Being mounted in the cab of a truck also allows us to pull the samples without having to get in and out of the truck for each sample. It also puts all the weight of the truck directly over the probe so we can pull samples through frost or packed alfalfa ground without any problems.

Benchmark & Grid

Benchmark sampling is offered for producers looking for a general analysis of their crop ground. The field is divided into areas of the same soil type. Multiple cores are then collected from these areas and thoroughly mixed to make one surface composite sample and one profile composite sample.

Grid sampling is offered for producers looking for individual, site specific soil analysis throughout the field. A surface and subsurface core is collected at each location on a grid and submitted for analysis.

Global Position System (GPS) Mapping

All samples are tagged and mapped with their GPS coordinates so we can return to the same location in subsequent years to collect additional samples.

Soil Analysis

Results of the soil analysis are presented in a cumulative document containing all the historical analysis collected for a specific field. The nutrient content is also graphed over time to identify potential trends.

Buffer System Monitoring

Collecting soil samples from buffer areas below livestock facilities is becoming a common regulatory requirement. We can collect the buffer area samples using the hydraulic probe and submit the results to the proper regulatory authorities. Samples collected from buffer areas are also mapped with their GPS coordinates to ensure we collect from the same location each recurring time.

ABOUT US

With a vision for agricultural sustainability since our inception, Sustainable Environmental Consultants (SEC) was established in 2008. We found our niche as an agriculture consulting business, focusing on assisting livestock operations with regulatory permitting, applications and renewals. As local, state and federal environmental regulations evolved, so did our service offerings. Nutrient management plans, surveying, mapping and seepage testing were added to enhance what we could offer in order to provide comprehensive agricultural consulting to our clients.

As a company, SEC has transitioned and evolved over the years while continuing to maintain our core commitment to the sustainability and preservation of earth's natural resources. In 2009, we added erosion control to our service offerings and became a certified Filtrexx® manufacturer, allowing us to reach not only the agriculture industry, but the construction market as well in sediment control and pollutant removal. Then, in 2014, SEC joined the Wright Service Corp. employee owned family of companies. Sustainability risk management was officially added to the SEC portfolio in 2018 after seeing the need to help companies fund environmental efforts and progress toward preserving our ecosystems. Through the use of our EcoPractices platform, we identify, collect, verify, document and report on the environmental impact from your sustainable practices.

SEC is dedicated to bridging the gaps among business, industry and the environment. Our strategic, performance-based approach integrates sustainability into your operations, resulting in greater efficiency and reduced risk, no matter the industry or business size.

For details and pricing, contact:

Daniel Berges
Agricultural Engineer
785.207.0201
dberges@sustainableenviro.com

888.287.7080 | sustainableenviro.com