

Healthy Soil Workshop

Acoma Pueblo



May 10 | 8:30am - 4:00pm

Meet at Acoma Community Center (morning), site visit in afternoon

Address:

<https://www.puebloofacoma.org/departments/department-of-support-services/facilities-department/community-center/>

Event registration: Please call Eva at 505-393-5354 to register ahead of time (**May 8**, preferred); We can also allow some registration on site but it will be more difficult to order lunches for everyone without good registration numbers.

Cost: There is no cost to this workshop.

Quivira's funding will provide \$500 to the Pueblo of Acoma natural to cover some host fees. A memorandum of understanding will be provided separately.

Join us for this workshop geared toward agricultural producers to learn about physical, chemical, and biological characteristics of soil. No experience with managing soil health is necessary, but we will also have time to share experiences with others. You will also learn in-field assessments of soil health, such as observing compaction, infiltration rate, surface cover, aggregate stability, and more.

After completing this workshop, participants should be able to:

- Plan and execute at least one appropriate prioritized change in your operation in line with the healthy soil principles within one year.

- Discuss the healthy soil principles with at least one other producer, friend, family member, or neighbor this year.
- Define healthy soils in terms of physical, chemical and biological properties that affect water retention, agricultural productivity, etc. by using the workbook, notes, and other resources.
- Distinguish between static/inherent and dynamic soil characteristics, and consider economic/ecological/social lags in changes when planning for soil health.
- Discuss management interventions as they relate to soil health principles.
- Discuss the results from an in-field test with a Technical Service Provider in the context of current management and future management
- Find and use relevant online resources (eg. listserv, linked informational pages, apps)

Pre-workshop brainstorming:

Think about land that you have worked on or experienced and write brief answers:

1. What aspects of your experience relate to healthy soils? What is the context (ecological, economic, and social) of those experiences?
2. What are your expectations about the “soil health” workshop?
3. What are your individual goals related to soil health?
4. What are some key questions that you have about soil health?
5. What concerns do you have about adopting soil health practices?

Presentations will be based on this workbook - hard copies will be provided:

<https://quiviracoalition.org/soil-health-workbook/>

Important Contacts:

Dept. of Natural Resources Franklin Martinez, 505-552-5117
Valerie Patricio-Thompson - Administrative Assistant

Intertribal Agriculture Council: Desbah Padilla, desbah@indianag.org, 505-377-0342

Quivira Coalition: Eva Stricker, eva@quiviracoalition.org, 505-393-5354

NM Association of Conservation Districts: Steve Kadas, stevekadas49@gmail.com

Valencia Soil and Water Conservation District: 2424 Hwy 47, Belen NM 87002, 505-864-8914
public-input@valenciaswcd.org

Natural Resources Conservation District: 1020 Nimitz Drive, Grants, NM 87020, 505-287-4045

Healthy Soil Working Group: Isabelle Jenniches, imjenniches@gmail.com

Cover Crops expert:

Drought-adapted plants:

New Mexico Department of Agriculture Healthy Soil Program:
<https://www.nmda.nmsu.edu/nmda-homepage/divisions/apr/healthy-soil-program/>

****Grant Deadline May 12, 2022 - \$100,000 grants available for Tribal entities!****

Accommodations (bathroom, water, etc)

- We will be indoors during the morning and out in the field in the afternoon. The community center will be a short driving distance away where restrooms are available.
- There will be water available to fill a water bottle before leaving the casino.

What to Expect

Draft agenda

8:30-9 am: Check-in

9-9:30 am: Introductions

9:30 - 10am: Soil Fundamentals - What is soil?

10 - 10:30 am: Soil Health Principles

10:30 - 10:45: Break (light snacks will be available)

10:45 - 11:15: Small group discussion of management goals

11:15 - 11:45: What support is available to make management changes for soil health?

11:45 - 12:45: Lunch (provided)

12:45-4 pm: Soil tour on Pueblo.

4:15-4:30: Evaluations and close.

What to Bring

Face mask (we will have some available), water bottle, hat, close-toed shoes, long pants, pen/pencil, a camp chair, and sunscreen. Bring any food and snacks as needed. **Please bring enough water for yourself for the workshop.** Please properly dispose of your own trash.

What is Provided

Tools will be provided, and extra pairs of work gloves will be available.

COVID-19 Safety Information

We will follow all Tribal regulations regarding masking, vaccination status, social distancing, and other requirements. Additionally, see the Quivira Covid protocols below.

All staff will take a rapid test before going to a workshop/site visit.

We will provide N95 or equivalent masks and all participants must wear those masks in all indoor spaces at all times.

No amount of testing can guarantee that there is no risk of Coronavirus transmission. You may not know whether someone you interact with has been exposed to or is carrying Coronavirus. Quivira staff travel, conduct site visits, and other types of in-person activities with these factors in mind, and use the following protocols to reduce the risk of exposure to Coronavirus. We want to create a culture of mutual protection – protection of our staff and those we interact with.

Quivira will use the following protocols to reduce risk of transmission or exposure to Coronavirus when engaging with each other and partners in-person:

- Masks – ***We will provide N95 or equivalent masks and all participants must wear those masks in all indoor spaces at all time. All are encouraged to wear masks outside but not currently required; if omicron continues to spike, we may update to have outdoor masking required. We will have name tags and a dot system to convey levels of comfort.***
- ***All staff will take a rapid test before going to a workshop/site visit.***
- Hygiene – we encourage frequent, regular hand-washing; frequent cleaning of frequently touched surfaces; that people, to the extent possible, not touch their face, eyes, nose, or mouth; and not to share food, drinks, cigarettes, or personal hand tools. Quivira will provide hand sanitizer and cleaning supplies.
- Distancing – we encourage staff and our partners, as much as possible, to interact with others in an outdoor (ideal) or well-ventilated area; not to shake hands; to try to stay at least 6 feet apart; to limit group sizes; if close proximity is needed, to try to have a physical barrier between people, for example, look at a map through a car window with each person on one side of the window.

- Screening – we require staff, and encourage partners to stay home while sick; we also ask staff and partners to actively screen every day for symptoms of COVID to determine whether or not to interact with others (please see screening procedure below)
- Culture – we encourage staff to make these behaviors and actions normal practice and to help set social expectations at our in-person activities by sharing our COVID guidelines

Before attending any Quivira in-person activity, please conduct the following self evaluation:

- Have you had probable exposure to COVID in the last week?
- Today, or in the past 24 hours, have you had any of the following symptoms?
 - Fever
 - New onset cough
 - New onset shortness of breath or difficulty breathing
 - New loss of taste or smell
 - Sore throat/scratchy throat
 - More physical exhaustion than normal (fatigue)
 - Unexplained muscle or body aches
 - Chills (repeated shaking)
 - New onset or unusual headache
 - New onset nasal congestion or runny nose
 - Nausea or vomiting
 - Diarrhea
 - Generally feel under the weather

If you answered yes to any of the above questions you should not attend.

Attendee contact information will be collected and will be used to inform people if any one contracts the virus within 14 days of having been at the event. We have an anonymous reporting form, and we ask that any attendee who learns they are positive up to 5 days after the event completes the form. We will send a follow-up email 3 days after the workshop to remind attendees to report to report if you have symptoms or a positive test. If we have a report, we will send a notification to workshop attendees about the potential exposure. Those who report will be kept anonymous.

Quivira Coalition has a responsibility to pass on information if one of our employees contracts the Coronavirus and has been in contact with others engaged in Quivira activities, including workshops and site visits. Quivira will contact all participants about potential exposure if we learn that a staff person was infected while participating in an in-person activity.