



Native Seed Production Primer

Capacity: 100

Ticket cost: \$50

Time: 10am - 12pm, lunch break, 1pm-3pm

Mark Fiely, Ernst Conservation Seed, and Tyler Wayland, Roundstone Native Seed, will provide novice growers with insight into business models/marketing, sources of germplasm, breaking seed dormancy, assessing crop ripeness, harvest technology, seed drying, seed conditioning and sources of conditioning technology, and seed storage. We will provide insights into how we decide to grow a plant, the time needed from planting to commercial availability, and obstacles to successful native seed production.

Designing a Seed Menu

Capacity: 50

Ticket cost: \$50

Time: 10am - 12pm

Seed mix creation can be a daunting task. With considerations like commercial availability, timing of seeding, functional characteristics, and cost all playing a major role in species selection, it can be difficult to know where to start the process. Drawing on experience from the development of seed menus covering National Forests in Arizona and New Mexico, this workshop will provide participants with a suite of tools to facilitate seed mix creation including web-based tools for seed sourcing, templates for seed menus, and strategies for seed mix design. Participants will gain a better understanding of seed mix design at a range of scales from small landscaping projects, to regional scale development as well as tips for designing seed mixes for immediate project implementation and long-term development. In addition to general guidance on the topic, participants will collaborate in small groups to address their specific needs for seed mix design. Led by Institute for Applied Ecology.

Crunch Therapy: Seed Cleaning

Capacity: 20

Ticket cost: \$50

Time: 1pm - 3pm

Cleaning native seed by hand is a fun and gratifying process. In this workshop, you will learn the basics of seed cleaning and have the opportunity to practice various techniques



on several native species in a guided setting. This workshop will also be a great opportunity to network with others and decompress a bit. Led by The Understory Initiative.

Seed Collecting and Cleaning on the Cheap

Capacity: 25

Ticket cost: \$50

Time: 9am - 12pm

This workshop is intended for newbies and those who want to broaden their horizons beyond that elementary but fantastic digital seed collection tool – the hand – and also approach seed cleaning as a process. Emphasis will be on no or low cost equipment that you can easily get or construct yourself.

The first part of the workshop is Tips, Tricks, and Tools for field collection. I'll show some field tricks and tools that can really speed up collection far beyond the hand. You're encouraged to share your own Tips and Tricks, and bring whatever ordinary, strange, or downright weird tools you've come up with - whether they worked or not!

The second part of the workshop will be on seed processing and cleaning. This will be a mix of slides and (hopefully) actual small scale equipment for you to prod, poke, and look at. For each stage of processing, I'll show equipment that will perform that function starting with the most primitive and progressing through improvements that greatly increase efficiency.

Steve Erickson has been collecting and processing native plant seed for over 40 years, ranging from ridiculously small amounts for research and banking to foundation seed for grow outs to bulk collections in the hundreds to low thousands of pounds. Of necessity, he has developed and learned low cost efficient techniques.

Common Garden Experiment Design

Capacity: 25

Ticket cost: \$50

Time: 12:30pm – 3:30pm

Common gardens are a powerful tool for understanding the genetic differences that underlie variation among plant populations. In this workshop you will learn how common garden studies are designed, what they can and cannot tell you, and how researchers



(and you!) can use them to answer practical questions in applied plant genetics. We will discuss common gardens in the context of geographic provenance and its importance for habitat restoration, with particular attention to seed transfer zones and assisted migration or assisted gene flow. The session includes a hands-on activity in which you design your own common garden study, so you leave with a draft design you can apply to your own species and sites. Facilitated by Dr. Tom Kaye and Dr. Francis Kilkenny.



Native American Clay Seed Pots

Capacity: 20

Ticket cost: \$75

Time: 12:30pm - 3:30pm

Join Victoria Naranjo, a 4th generation Native American traditional potter from Santa Clara Pueblo NM, who will lead a makers table - a hands-on

learning experience in the native ways of saving seeds. Generations of knowledge will be experienced in this unique workshop. You will build a clay pot with clay collected in New Mexico, Victoria will take your pots home, fire them, and ship them to you. Workshop costs include materials and shipping.