



SA306 Seed ID

January through April 2021

Gain knowledge in seed identification by participating in our ***NEW* Seed ID Online Course**.

Seed Academy's Seed ID Online Course is comparable to a Federal Seed School or onsite workshop for Seed Identification. The course is a combination of lecture and then hands on examination views using an online stereomicroscope view to closely illustrate the key seed identification characters.

Participants will gain practical knowledge in difficult seed identifications and this course will help prepare seed technologists for gain accreditation in their respective seed testing associations.

This is an educational course for students or employees planning a career or working as a Purity Analyst in Seed Testing.

Our instructor(s) are:

Tim Gutormson, who brings 35 years of seed technology experience in seed testing and research. He has also instructed college level courses, workshops, and webinars for 30 years. Tim has BS and MS degrees in Agronomy, is a Registered Seed Technologist of the SCST, past president of SCST, past chairman of the American Seed Research Foundation and the current chairman of Seed Testing Research Foundation. Tim is currently an owner of SoDak Labs, Inc., located in Brookings, South Dakota.

Laura Carlson, who brings 20 years of seed technology experience. She is a Registered Seed Technologist of the SCST, Evaluation and Purity Lab Mgr. at SoDak Labs and an owner of SoDak Labs, Inc., located in Brookings, South Dakota.

Course Fee:

Individual: \$350 registration fee, entitles one live or one recorded viewing/session, receives one Seed Academy T-Shirt, Certificate of Completion and name submitted for continuing education credits.

.....

Please register by January 4, 2021. Three Ways to Register:

- 1. **Online:** www.SoDakLabs.com
- 2. **Call:** 605-692-2758
- 3. **Email:** Registration@SoDakLabs.com

NAME (Registrant1): _____

PHONE: _____

NAME (Registrant 2): _____

PHONE: _____

COMPANY:

- Bill my Account # _____
- Credit Card
- Check

ADDRESS:

EMAIL:

T-Shirt Sizes: S M L XL XXL
(pick one size per registrant)

January 13 – Intro to Botany: Poaceae, Andropogoneae and Bromaceae: *Schizachyrium scoparium**, *Andropogon gerardii**, *Bothriocloa ischaemum**, *Sorghastrum nutans**, *Zea Mays**, *Bromus inermis**, *Bromus tectorum**, *Bromus secalinus**, *Bromus arvensis**, *Bromus commutatus**, *Bromus carinatus var. marginatus**, *Bromus diandrus*, *Bromus catharticus prairie brome*, *rescuegrass**, *Bromus hordeaceus blando brome*, *soft**, *Bromus japonicus Japanese brome*, *Japanese chess**.

January 20 – Paniceae: *Cenchrus ciliaris**, *Cenchrus spinifex**, *Echinochloa crus-galli barnyardgrass**, *Echinochloa frumentacea**, *Panicum virgatum**, *Panicum capillare**, *Panicum miliaceum**, *Penisetum glaucum**, *Setaria faberi*, *Setaria viridis*, *Setaria italica**, *Setaria parviflora**, *Setaria pumila sbusp*. *Pumila*, *Urochloa ramose*, *Urochloa platyphylla*, *Urochloa ramosa***.

January 27 – Poaceae: *Dactylis glomerata*, *Festuca arundinaceae**, *Festuca ovina*, *Festuca pratensis*, *Festuca rubra**, *Lolium multiflorum & L. perrene**, *Poa annua**, *P. bulbosa**, *P. compressa**, *Poa prantensis**, *Poa trivialis**.

February 3 – Triticeae: *Agropyron cristatum*, *Agropyron desertorum**, *Elymus trachycaulus**, *Elymus repens**, *Elymus canadensis**, *Elymus virginicus**, *Elymus lanceolatus**, *Pascopyrum smithii**, *Psathyrostachys juncea**, *Thinopyrum intermedium*, *Thinopyrum ponticum**, *Taeniatherum caput-medusae**.

February 10 – Cereals: *Avena fatusa*, *Avena sativa*, *Avena sativa*, *Triticum aestivum (spring wheat, durum (red/amber), white wheat) spring vs. winter wheat*, *Secale cereal*, *Hordeum vulgare (hulled and hullless, black) aleurone layers, varieties*, *Triticosecale*, *Sorghum*, *Sorghum sudangrass*, *Sorghum alum*, *Johnsongrass*.

February 17 – Intro to Botany: Broadleaves, Asteraceae: *Carduus acanthoides*, *Carduus nutans**, *Cirsium arvense**, *Cirsium vulgare**, *Cirsium altissimum*, *Guizotia abyssinica*, *Onopordum acanthium**, *Rhaponticum repens**, *Silybum marianum*, *Sonchus arvensis**, *Sonchus oleraceus*, *Centaurea cyanus**, *Centaurea diffusa*, *Centaurea imperialis*, *Centaurea maculosa*, *Centaurea solstitialis**.

February 24 – Other Asteraceae, Convolvaceae and Euphorbiaceae: *Ambrosia artemisiifolia**, *Ambrosia trifida**, *Anthemis arvensis**, *Anthemis cotula**, *Arctium lappa**, *Acroptilon repens*, *Carthamus tinctorius**, *Helminthotheca echinoides**, *Taraxacum officinale**. *Calystegia sepium**, *Convolvulus arvensis**, *Cuscuta pentagona**, *Dichondra repens**, *Ipomoea hederacea**, *Ipomoea purpurea**. *Euphorbia esula**, *Euphorbia aculata**, *Acalypha virginica**, *Ricinus communis**.

March 3 – Solanaceae: *Capsicum annuum**, *Datura stramonium**, *Nicotiana tabacum**, *Physalis alkekengi**, *Solanum carolinense**, *Solanum elaeagnifolium**, *Solanum lycopersicum**, *Solanum melongena**, *Solanum nigrum**, *Solanum ptychanthum**, *Solanum rostratum**.

March 10 – Polygonaceae, Amaranthaceae, Chenopodiaceae, Caryophyllaceae: *Fagopyrum esculentum**, *Fallopia convolvulus**, *Persicaria lapathifolia**, *Persicaria maculosa**, *Polygonum aviculare**, *Rumex acetosa**, *Rumex acetosella**, *Rumex crispus**. *Amaranthus albus**, *Amranthus retroflexus*. *Chenopodium album*, *Bassia scoparia*, *Salsola kali*. *Silene diocia*, *Silene latifolia*, *Silene noctiflora**, *Silene vulgaris**, *Silene dichotoma*, *Agrostemma githago**, *Gypsophila vaccaria**, *Stellaria media**.

March 17 – Brassicaceae: *Barbarea verna**, *Berteroa incana**, *Brassica juncea**, *Brassica nigra**, *Brassica tournefortii**, *Brassica napus**, *Brassica rapa**, *Brassica oleracea**, *Camelina macrocarpa**, *Damelina sativa**, *Capsella bursa-pastoris**, *Crambe hispanica subsp abyssinica**, *Lepidium campestre**, *Lepidium draba**, *Lepidium sativum**, *Nasturtium officinale**, *Raphanus sativus**, *Rapistrum rugosum**, *Sinapsis alba**, *Sinapsis arvensis** and *Thlaspi arvense**.

March 24 – Fabaceae: *Lespedeza cuneata**, *Melilotus officinalis**, *Melilotus albus**, *Melilotus indicus**, *Medicago sativa**, *Medicago lupulina**, *Trifolium pratense**, *Trifolium repens**, *Trifolium hybridum**, *Trifolium dubium**, *Trifolium fragiferum**, *Trifolium hirtum**, *Trifolium incarnatum**, *Trifolium subterraneum**, and *Trifolium vesiculosum*. *Vicia benghalensis**, *Vicia faba**, *Vicia sativa subsp. sativa**, *Vicia villosa subsp. villosa** and *Vicia cracca*.

March 31– Lamiaceae, Other Seed and Rules Exceptions for Weed Seeds: *Dracocephalum parviflorum**, *Lamiun amplexicaule**, *Mentha x piperita**, *Nepeta cataria**, *Ocimum basilicum**, *Prunella vulgaris**, *Salvia officinalis** and *Teurcrium canadense**. *Juncus tenuis**, *Cyperus esculentus**, *Cyperus rotundus**, *Elaeagnus angustifolia*, *Ceanothus cuneatus*, *Verbascum Thapsus**, *Portulaca oleracea**, *Lysimachia arvensis** and *Verbena stricta*.