

Fundamentals of Agronomy - October 19, 2015 to January 18, 2016

Date: Mondays, October 19, 2015 – January 18, 2016 (except November 16 and December 28) October 19 and 26, November 2, 9, 23 and 30 and December 7, 14 and 21, 2015 and January 4, 11 and 18, 2016

Time (Central Time): 4:30 to 6:00 pm Eastern/3:30 to 5:00 pm Central/2:30 - 4:00 pm Mountain/
1:30 - 3:00 pm Pacific.

Fundamentals of Agronomy is a basic review of agronomy that may be used as a preparatory course for those who want to become a Certified Crop Adviser (CCA) or Certified Professional Agronomist (CPAg). This course follows the ICCA Exam Performance Objectives, presenting basic principles that can be applied to actual field conditions and situations in order to provide sound agronomic advice. This twelve-lesson course addresses these four competency areas: Soil and Water Management, Nutrient Management, Crop Management, and Pest Management.

Participation for each webinar/lesson is documented by completion of a quiz. You must score a 7 out of 10 correct in order to submit for CEUs and receive a participation certificate.

CEUs:

CCA/CPAg: 4.5 Nutrient Management, 4.5 Soil and Water Management, 4.5 Integrated Pest Management and 4.5 Crop Management CEUs or 18.0 CEUs total for the full course or 4.5 CEUs per module dependent on the module taken or 1.5 per unit lesson dependent on the unit taken

CPSS/CPSC: 8.0 CEUs total for the full course in Professional Meetings or 4.5 CEUs per module or 1.5 per unit lesson

Optional Resource Materials

Preparing for the International CCA Exam (International Plant Nutrition Institute) \$45.00: <http://store.ipni.net/products/preparing-for-the-international-certified-crop-adviser-exam>.

Soil Fertility Manual (International Plant Nutrition Institute) \$25.00: <http://ppi-store.stores.yahoo.net/soilferman.html><http://store.ipni.net/products/soil-fertility-manual-wire-bound>

Live Broadcast Instructions/Requirements

Upon registration you will receive an email with a GoToMeeting link that you need to register with only if you will be participating in the live broadcast. Important Note to all Participants: For access to the live broadcast, you will need to register at the link below prior to participating.

After registering at the link provided in the email, you will receive a confirmation email containing information about joining the live broadcast. You will be sent reminder emails two days and again two hours prior to the broadcast time which will contain connection information for joining the live broadcast.

GoToMeeting System Requirements

The broadcast is delivered live via the web using GoToMeeting software. *An email address and high-speed internet access are required.* GoToMeeting Systems Requirements:

http://support.citrixonline.com/en_US/Meeting/help_files/G2M010003.

Lesson Recording, Quiz and CEUs with Peach New Media

The recording and quiz will be posted about 24 hours after the live broadcast in Peach New Media. You will receive an email when the recording and quiz are available. This link can only be used by the registrant.

Peach New Media System Check

You can test your system for Peach New Media at

<http://agronomy.peachnewmedia.com/SystemCheckv2/#>.

Please follow the directions below to access the recording and quiz or to submit credits using Peach New Media:

1. Go to agronomy.peachnewmedia.com and log into your account.
2. Click on My Classroom and scroll to the section titled On-Demand Programs.
3. Click on title and click View Now to view the recording. If you viewed the live broadcast, you can move on to the Quiz tab.
4. Click on the Quiz tab to take the quiz. You must pass the quiz with 7 out of 10 correct in order to obtain the CEUs.
5. If you hold a Certified Crop Adviser, Certified Professional Agronomist, Certified Professional Soil Scientist or Certified Professional Soil Classifier certification, you would report through Peach New Media with the directions below just as if you watched it live and the CEUs are board approved CEUs.

If you hold a Certified Crop Adviser, Certified Professional Agronomist, Certified Professional Soil Scientist or Certified Professional Soil Classifier certification, please make sure to follow the directions below to submit for credit submission after you viewed the lesson and have passed the quiz through your Peach New Media Account which must be done in order to obtain CEUs and/or a participation certificate.

1. Go to agronomy.peachnewmedia.com and log into your account.
2. Click on My Credit.
3. Click on Submit Credit next to the appropriate title and follow the instructions.
4. Upon completion, you can download and print a PDF copy of your participation certificate.

Soil & Water Management: Three unit lesson module that explores the basic principles and practical applications of soil physical, chemical, and biological properties; site characterization; soil and water conservation; tillage and residue management; water and solute movement; soil-plant-water relations; irrigation and drainage; and related topics.

October	19	Unit 1: Soil physical, chemical, and biological properties; soil types and classification
	26	Unit 2: Soil water: plant availability and solute movement; evapotranspiration, irrigation, and drainage
November	2	Unit 3: Tillage systems; residue management and erosion control

Nutrient Management: Three unit lesson module that explores the basic principles and practical applications of plant nutrition and soil fertility; C, N, and P nutrient cycles; acidity, salinity, sodicity, lime and gypsum; soil and tissue analysis; fertilizers, manure, and other nutrient sources; fertilizer calculations; nutrient application, 4Rs nutrient management, and related topics.

- November 9 Unit 1: Plant essential nutrients; generalized nutrient cycles; Nitrogen and phosphorus cycles; nutrient uptake
23 Unit 2: Nutrient response curves (Right Source, Right Rate); fertilizers and fertilizer calculations; nutrient mapping
30 Unit 3: Acid soils, liming and soil amendments; saline and sodic soils; application equipment (Right Place, Right Time)

Crop Management: Three unit lesson module that explores basic principles and practical applications of cropping systems, tillage, hybrid and variety selection, seed quality, planting practices, crop growth, development, and diagnostics, harvest and storage, managing production risk, precision farming, and related topics.

- December 7 Unit 1: Cropping systems and crop rotations; cover crops; hybrids
14 Unit 2: Seed quality; planting practices; crop growth and development; diagnostics; planting methods: row crops and drill crops; seed treatments, seed placement
21 Unit 3: Managing production risk; In-season management; harvest; post-harvest management; storage

Pest Management: Three unit lesson module that explores the basic principles and practical applications of the identification of insects, weeds & diseases, pest sampling and monitoring, decision-making guidelines, pesticide modes of action, pest management strategies, resistance management, pesticide application and safety, and a variety of related topics.

- January 4 Unit 1: IPM principles; integrated management strategies; pest identification
11 Unit 2: Pest sampling and monitoring; economic thresholds; decision-making guidelines
18 Unit 3: pesticide modes of action; resistance management; pesticide application and worker safety; application technology

Questions

If you have any questions or need assistance with registration or access, please contact Michele Lovejoy at mlovejoy@sciencesocieties.org or 608-268-4947.