### APEX WORKSHOP AGENDA

**INSTRUCTORS:**  
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TEXAS A&M AGRILIFE RESEARCH

### 1. MONDAY (MAY 11, 2015)

- Welcome and Introduction
- APEX history, model structure & applications
- Weather and soils data preparation
- WinAPEX hands-on exercise
  - One subarea project – model configuration
  - Watershed Delineation and model configuration

### 2. TUESDAY

- Theory: Hydrology, erosion and plant growth
- Continue WinAPEX exercise
- Preparation of crop management files
  - Irrigation, fertilization and grazing practices
  - Implementation of conservation practices

### 3. WEDNESDAY

- Theory: Nutrient cycling (N,P,C) & pesticides fate and transport
- Output analysis using APEX Check
- Theory: APEX Calibration
  - Calibration exercise

### 4. THURSDAY

- APEX-CUTE Sensitivity Analysis & Automatic calibration
  - Calibration exercise
- Open discussion

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Bio-physical processes occurring in the cropping systems of agricultural watersheds are a great challenge to replicate in a modeling framework. This course offers the fundamental principles of the EPIC and APEX models for use in whole farm/small watershed management with hands-on exercises. The suite of models were developed to evaluate various land management strategies considering sustainability, erosion, economics, water supply and quality, soil quality, plant competition, weather and pests. The objective of the workshop is to introduce new users to the model, review necessary and optional inputs, and familiarize the user with the APEX and general procedures of model development, implementation and evaluation.
Registration Form

APEX Workshop
May 11-14, 2015
USDA-ARS,
Beltsville, Maryland

Full Name: ____________________________________________
University/Organization: ___________________________________________________________________________________
Preferred Mailing Address: __________________________________________________________________________________
City: __________________________ State/Province: __________________ Zip/Postal Code: __________________________
Country: __________________________ Telephone: (______)__________________ Fax: (______)____________________
Email: __________________________________________________________________

REGISTRATION FEES

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PAYMENT METHOD Check or Money Order must be in U.S. funds payable to: Texas A&M AgriLife Research. There will be a $25.00 fee charged on checks returned by the bank due to insufficient funds. Registration confirmation/receipt and further information will be mailed (Tax ID # 746000541).

Please check appropriate box:
☐ Government Purchase Order
   Payable to Texas A&M AgriLife Research PO Number:______________________ (PO must accompany registration form)

☐ Check
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☐ Credit Card
   Check one: ☐ VISA ☐ MasterCard ☐ Discover
   Card #: ____________________________________________________ Print Cardholder Name: ______________________________________
   Exp. Date (mm/yyyy): ___________________________ Three digit security code (found on back of card): __________
   Name on Credit Card: ___________________________ Card Holder Postal Zip Code________________________

Signature: ________________________________________________________________________________

I authorize Texas A&M AgriLife Research to charge my credit card for the amount indicated above.

Please mail or fax completed registration form with payment to: APEX Training Workshop
Phone: (254) 774-6038
Fax: (254) 774-6001
Email: azavodny@brc.tamus.edu

Do not email credit card information because security cannot be guaranteed. Please fax credit card information.

CANCELLATIONS/CHANGES AND REFUNDS: Fees will be refunded, less a $20.00 processing fee, if cancellation or change resulting in a refund is received in writing no later than May 1, 2015. After that date, fees are non-refundable. All refunds will be processed after the workshop. Substitutions are allowed at no charge.