



Distr.
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Economic and Social Commission for Western Asia

First Jordanian National Training Workshop on AquaCrop for Irrigation
Water Management

Princess Sumaya University for Technology, Faculty of Computing Sciences
Amman, Jordan, 27 – 31 October 2019

Provisional Agenda

Day 1: Sunday, 27 October 2019

08:30 - 09.15	Registration.
09:15 – 09:30	Welcome statement by ESCWA & ACSAD and Tour de Table
09:30 - 10.30	Introduction to the Course/Presentation of AquaCrop User-Interface
10:30 – 10:50	Coffee Break
10:50 – 12:30	Practical Exercise/Structure of AquaCrop and a First Simulation Run
12:30 – 13:30	Lunch Break
13:30 – 14:00	Climatic Data/Reference ET (ETo), Required Weather Data for AquaCrop, Agroclimatic Data Collection and Processing
14:00 – 15:30	Practical Exercise/Database Management (Climate): Input of Climatic Data and Calculation of ETo in AquaCrop

Wrap up of Day 1

Day 2: Monday, 28 October 2019

09:00 – 10:30	Soil Characteristics: Soil Physical Characteristics; Soil Water Content, Soil Water Balance, and Soil Water Movement. Specification of Soil Characteristics in AquaCrop
10:30 – 10:50	<i>Coffee Break</i>
10:50 – 12:30	Practical \\Exercise/Database Management (Soil): Creating and Updating Projects
12:30 – 13:30	<i>Lunch Break</i>
13:30 – 14:00	Crop Characteristics/Tuning of Crop Characteristics to Local Environment
14:00 – 15:30	Practical Exercise/Database Management (Crop), Fine Tuning of Crop Characteristics to the Environment

Wrap up of Day 2

Day 3: Tuesday, 29 October 2019

09:00 – 10:30	Crop Development and Rainfed Farming Productivity/ Crop Development; Crop Transpiration; Biomass Production; and Crop Yield, Rainfed Farming: Initial Soil Water Content; Start of Growing Cycle.
10:30 – 10:50	<i>Coffee Break.</i>
10:50 – 12:30	Practical Exercises/Initial Soil Water Content, Start of Growth Cycle. (Rainfed Agriculture)
12:30 – 13:30	<i>Lunch Break.</i>
13:30 – 14:00	Field Management/Field Surface Practices; Mulches; Soil Fertility and Crop Responses, Calibration of Soil Fertility Stress
14:00 – 15:30	Practical Exercise/Database Management (Field Management), Case of Limited Soil Fertility

Wrap up of Day 3

Day 4: Wednesday, 30 October 2019

09.00 - 10.30	Determination of Crop Water Requirements: - Determination of Crop Water Requirements by Penman-Monteith Equation and Pan Evaporation
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- Determination of Crop Water Requirements Using AquaCrop Software
- Irrigation Scheduling
- Irrigation Scheduling Using AquaCrop Software

10:30 – 10:50

Coffee Break

10:50 – 12:30

Practical Exercises/Full Irrigation Scheduling

12:30 – 13:30

Lunch Break

13:30 – 14:00

Deficit Irrigation - Deficit Irrigation Scheduling Using AquaCrop Software

14:00 – 15:30

Practical Exercise/Deficit Irrigation Scheduling

Wrap up of day 4

Day 5: Thursday, 31 October 2019

09:00 – 10:00

Supplementary Irrigation/Supplementary Irrigation Scheduling Using AquaCrop Software

10:00 – 10:30

Practical Exercises/Supplementary Irrigation Scheduling

10:30 – 10:50

Coffee Break

10:50 – 12:30

Practical Exercises/Supplementary Irrigation Scheduling

12:30 – 14:00

Friday Prayer /Lunch Break

14:00 – 15:00

Closing Session