



Distr.
LIMITED
E/ESCWA/SDPD/201919/WG 38/L.1
19 August 2019
ORIGINAL: ARABIC

Economic and Social Commission for Western Asia

First Lebanese National Training Workshop on AquaCrop for Irrigation
Water Management
UN House, Beirut, Lebanon, 19 – 23 August 2019

Provisional Agenda

Day 1: Monday, 19 August 2019

| | |
|-----------------|--|
| 08:30 - 09.00 | Registration. |
| 09:00 – 09:15 | Welcome statement by ESCWA & ACSAD and Tour de Table |
| 09 :15 – 09 :30 | Overview of the ESCWA Project on “Enhancing Resilience and Sustainability of Agriculture in the Arab region” <i>Ms. Lara Geadah, Economic Affairs Assistant, Food and Environment Policies Section, ESCWA</i> |
| 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 (ET _o), 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 ET _o in AquaCrop |

Wrap up of Day 1

Day 2: Tuesday, 20 August 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 | Coffee Break |
| 10:50 – 12:30 | Practical \Exercise/Database Management (Soil): Creating and Updating Projects |
| 12:30 – 13:30 | Lunch Break |
| 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: Wednesday, 21 August 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 | Coffee Break. |
| 10:50 – 12:30 | Practical Exercises/Initial Soil Water Content, Start of Growth Cycle. (Rainfed Agriculture) |
| 12:30 – 13:30 | Lunch Break. |
| 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: Thursday, 22 August 2019

| | |
|---------------|---|
| 09.00 - 10.30 | Determination of Crop Water Requirements: <ul style="list-style-type: none">- Determination of Crop Water Requirements by Penman-Monteith Equation and Pan Evaporation- 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 | <i>Lunch Break</i> |
| 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: Friday, 23 August 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 | <i>Coffee Break</i> |
| 10:50 – 12:30 | Practical Exercises/Supplementary Irrigation Scheduling |
| 12:30 – 14:00 | <i>Friday Prayer /Lunch Break</i> |
| 14:00 – 15:00 | Closing Session |