



TRI-NUT IRRIGATION MANAGEMENT WORKSHOP

GRAND OAKS RESORT, BEECHWORTH, VIC

February 15th & 16th, 2024

Through the North East Catchment Management Authority (NECMA) the Hazelnut, Chestnut and Walnut industries received a grant to look at industry irrigation practices and the issues relating to climate variability.

Members would have received copies of one of the reports from the survey conducted and will soon receive additional reports.

What was requested was some training sessions on irrigation.

The Project Team has been able to engage a couple of irrigation specialists from Agriculture Victoria to undertake a training session – Jeremy Giddings and Dennis Watson.

This workshop is designed to provide participants with both theoretical knowledge and practical skills in effective irrigation management and soil analysis. The sessions are aimed at enhancing the participants' understanding of sustainable irrigation practices and their ability to implement these practices effectively in their own businesses.

The training will run across two half days commencing at 12:30 pm on Thursday 15th and concluding at 1:00 pm on Friday 16th February. A dinner will be held on the Thursday evening, but this will be at participants cost (see registration form).

The venue is The Grand Oaks Resort, Beechworth, Victoria.

The full program is as follows: -

Day 1 – Thursday 15th February

SOILS

12.30	LUNCH (provided)
1.00	Soil water principles
2.00	Irrigation drainage plans (IDP's)

SYSTEMS

3.00	System specifications
4.00	Soil (Field Trip)
5.30	CLOSE
6.30	Drinks and DINNER (at participants cost)

Day 2 – Friday 15th February

8:30	System monitoring (Field Trip)
9:30	System maintenance



10:30 MORNING TEA

SCHEDULING

11.00 Scheduling tools, interpreting data, choosing a sensor.

12:30 CLOSE & LUNCH

See more details about each session: -

DAY 1: MORNING SESSION

1. **Introduction to Soil Water Principles:** A comprehensive session focusing on the fundamentals of soil water, including water movement in soil, water-holding capacity, and the relationship between soil water and plant growth.
2. **Irrigation Drainage Plans (IDPs):** Detailed exploration of IDPs, discussing their importance in sustainable irrigation practices, components of a good IDP, and strategies for effective drainage to prevent waterlogging and salinization.
3. **System Specifications:** Review of various irrigation systems, including their design and specifications. Discussion on choosing the right system based on crop type, soil properties, and climatic conditions.

DAY 1: FIELD TRIP

- **Exploration of Soil Horizons, Structure, and Texture:** An interactive field trip to a local orchard to examine different soil horizons. Participants will learn how to assess soil structure, texture, and pH, and understand their implications for irrigation management.

DAY 2: MORNING SESSION

1. **System Monitoring:** Introduction to various methods and tools for monitoring irrigation systems. Emphasis on the importance of regular monitoring for efficient water use and prevention of system failures.
2. **System Maintenance:** Guided session on the maintenance requirements of different irrigation systems. Discussion on routine checks, troubleshooting common issues, and ensuring the longevity of the system.
3. **Scheduling Tools and Data Interpretation:** Overview of modern scheduling tools and technologies. Training on interpreting data from these tools, understanding soil moisture status, and making informed irrigation decisions.
4. **Choosing the Right Sensor:** Guidance on selecting appropriate sensors for irrigation systems. Discussion on different types of sensors, their applications, and factors to consider when choosing a sensor.

DAY 2: FIELD TRIP

- **Irrigation System Monitoring & Maintenance:** Visit to a local orchard to observe practical aspects of system monitoring and maintenance. Participants will get hands-on experience with different monitoring tools and maintenance techniques.



TRI-NUT IRRIGATION MANAGEMENT WORKSHOP

Thursday 15th and Friday 16th February 2024

THE GRAND OAKS RESORT, BEECHWORTH, VICTORIA

REGISTRATION FORM:

Business Name:

Address:

.....Postcode:

Mobile:

E-mail:

The Workshop (No cost)

The Dinner on the Thursday night is \$66 (Inclusive GST) – Non-members \$88

HGA/CAI/AWIA Member YES NO

The following person(s) will be attending the

a) Workshop (Thursday afternoon/Friday Morning) YES NO

b) Thursday Night Dinner YES NO

how many seats

NAMES:

.....

.....

RSVP: ASAP

RETURN FORM TO: Trevor Ranford
27 Ludgate Hill Road, ALDGATE. SA. 5154
E-mail: sahort@bigpond.com

Signature: Date:

PAYMENT: Total Amount: \$.....

To pay direct into HGA bank account
Hazelnut Growers of Australia Inc. BSB: **032 814** Acct: **195114**
Use reference “seminar” and your name.