

NON-TECHNICAL SUMMARY OF AWD PROJECT

ENGLISH VERSION:

Project title of the Program: Sustainable Rice Production in Madagascar

This is a proposed program (termed as POA) carried out by WeAct Pty Ltd. (Australia) with the help of local representative “ONG Tandavanala”. The programme will promote the “**Alternate Wetting and Drying (AWD)** method”. This is a new technique kind of aerobic rice cultivation method considered scientifically proven ways of achieving better water management compared to traditional cultivation while simultaneously reducing or avoiding a majority of seasonal methane emissions.

Alternate Wetting & Drying (AWD) – Simple Summary

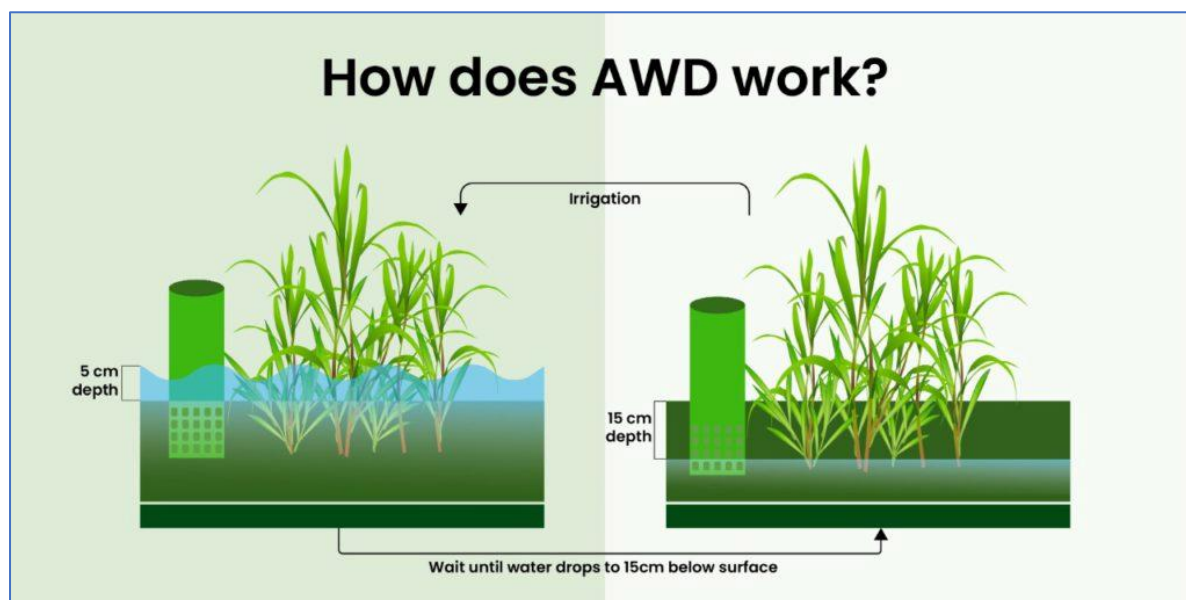
- Rice is usually grown in fields that are continuously flooded with water. While this helps the crop, it also uses a huge amount of water and produces a gas called methane, which adds to climate change.
- **Alternate Wetting & Drying (AWD)** is a smart way of watering rice fields where farmers do **not keep the field flooded all the time**. Instead:
- The field is flooded for a few days.
- Then water is allowed to **drain naturally** until the soil is moist but not cracked.
- Water is added again before the rice plants start to suffer.
- This cycle of **wetting and drying** continues until harvest.

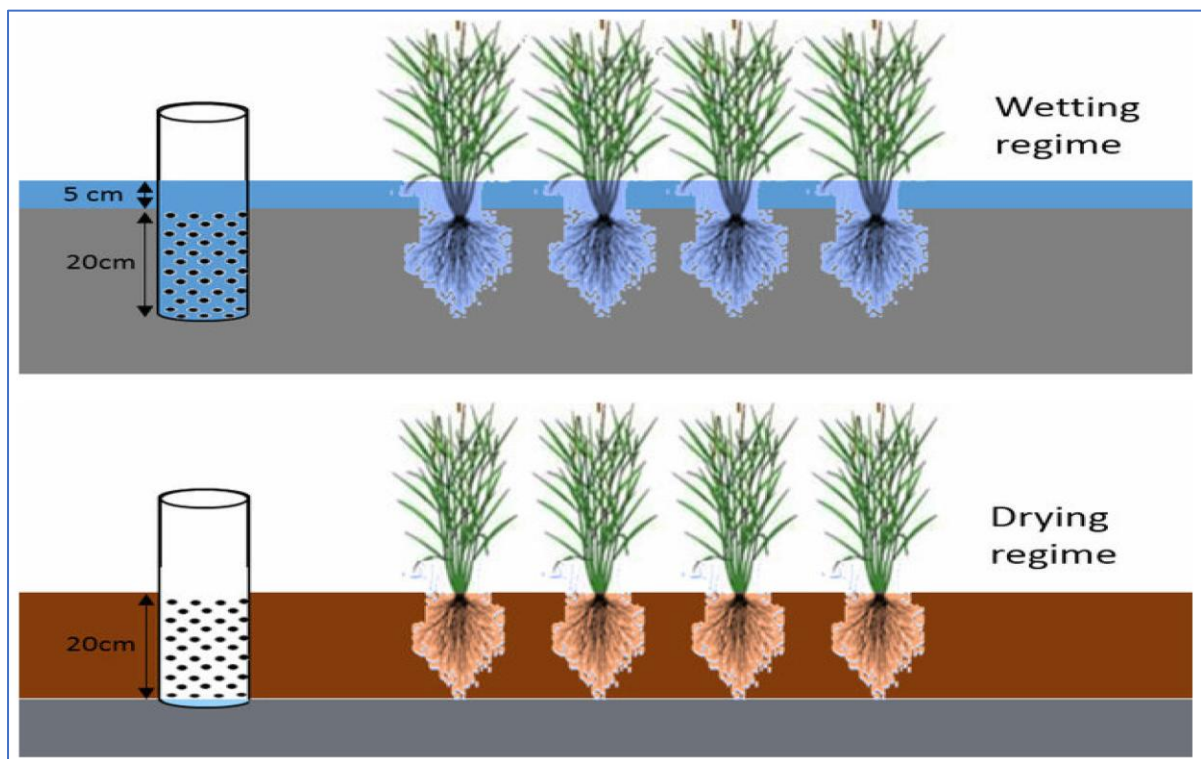
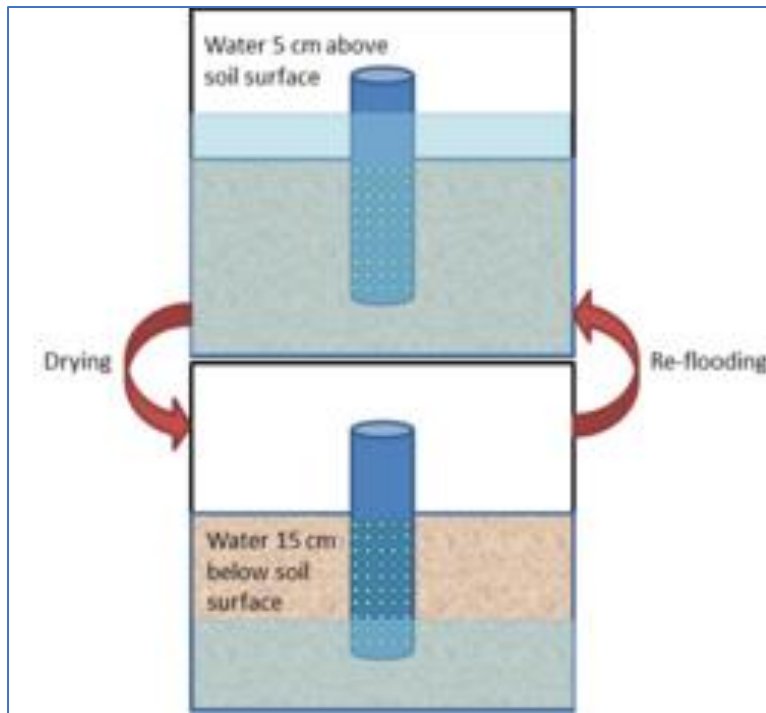
Benefits for Farmers & Environment:

- **Saves 25–30% water** compared to continuous flooding.
- **Reduces methane emissions** (good for climate).
- **Keeps yields the same or sometimes better**.
- **Cuts costs** for pumping or buying water.

In short, AWD means **using water only when rice needs it**, like giving plants a drink when they’re thirsty — not drowning them all the time.

Some graphical representations of AWD method is included below for better understanding:





Due to the inherent environmental benefits in terms of avoidance of methane emission, this POA has been proposed as a carbon emission reduction program with associated sustainable benefits for the community, proposed to be developed under 'Gold Standard' (GS) carbon mechanism.

Project Implementation Plan:

Currently this is only a proposed Programme under Gold Standard. Actual implementation of AWD shall be initiated after the initial phase of consultation and documentation under Gold Standard.