

## Drip in Aerobic Rice

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### Introduction

Aerobic rice is one new innovation in paddy (rice) with efficient water usage and can be grown in almost all soils like other crops. As aerobic rice can even bare little amount of water, as for irrigation drip in aerobic rice is much more efficient.

Four varieties viz., CR Dhan 200 / Priya (suitable for Odisha), CR Dhan 201 (suitable for Chhattisgarh and Bihar), CR Dhan 202 (suitable for Jharkhand and Odisha), CR Dhan 204 (suitable for Jharkhand and Tamil Nadu), are suitable for aerobic rice cultivation, released from Central Rice Research Institute, Cuttack.





## Content

As the farmers in Rayalaseema (Andhra's), Rajasthan, and some parts of Telangana, Jharkhand were facing severe irrigation problem. The concept "Aerobic Rice" is of utmost importance in these areas.

As the crop can grow aerobically in upland soils that is not puddled, non-flooded or saturated along with oxygen through the growing season. By this 70% of water is saved, this method does not require transplantation like usual plants, row to row and plant to plant spacing is high, so there will be proper sunlight and air which increases the tillerings and the grain size per plant also increases. Inputs applied such as fertilizers, pesticides, herbicides usage reduces, because they can be done through fertigation. Therefore the cost of cultivation decreases.

There will be no water logging conditions. Due to over usage of water, there is increase in greenhouse gas methane (CH<sub>4</sub>) in environment. By switching to drip, the drop in emission will be equivalent to taking 10 million cars off the road. It also increases the cost of production by increasing the yield by up to 50% reaching up to 12 tons/ha.

## Conclusion

This is concluded that reduced the cost of cultivation to a greater extent and brought about massive (huge) gain in yield, profits. So, I hereby suggest every individual paddy farmer to adapt this method.

**"Farmer's Wealth is a Nation's Health"**