No Crop Loss

Safe and sustainable agriculture, that is ecologically sustainable, economically viable, socially acceptable and creates access to healthy food for all; is the need of the hour, especially in the pretext of global hunger and climate change impact. **A 2020 report found that nearly 690 million people or 8.9 percent of the global population are hungry**, up by nearly 60 million in five years. The food security challenge will only become more difficult, as the world will need to produce about 70 percent more food by 2050 to feed an estimated 9 billion people (World Bank, 2021).

However, practical field experience have been the complete opposite considering the threat of crop loss associated with even a minimal shift from the conventional chemical practice, and secondly High Cost of the alternate organic inputs, both of which lead to a significant increase in the cost of cultivation (CoP). The production being non- sustainable at the farm level, the sustainability of the growers depend on premium product pricing. Hence, the end product is costly, affordable only for a select consumer class and thereby unsustainable for the consumers.

Inhana Rational Farming (IRF) Technology has been demonstrating Safe and Sustainable Agriculture for over two decades now, without any Crop Loss and without any Hike in the Cost of Cultivation.

No Crop Loss ....

These are primarily achieved through the dual approach of Soil and Plant Health Management. Soil Health Management is undertaken based on resource availability and the speedy restoration of soil health is achieved through the application of on- farm generated **Novcom Compost, that contains a huge population (*one trillion billion microflora per ton compost*) and diversity of self- generated microflora.** But the maximum focus is imparted on Plant Health Management towards improving Plant Photosynthetic Efficiency and Metabolism – a primary influential criteria towards sustenance of crop yields. Hence, no crop loss, rather **higher crop yields under IRF Technology** is primarily achieved through restoration of the soil health and its dynamism and reactivation of the plants' inherent potentials of self- nourishment and self- protection.

IRF Technology has proven potentials irrespective of the crop type and the agroc-ecological conditions, which conclusively indicates that transition to safe and sustainable agriculture (*including organic*) can be economically viable from the 1st year itself.