



Distinct Horizon

“Doubling Farmer’s Profit Sustainably”

At Distinct Horizon, we develop intelligent technologies which are mechanizing scientific farming practices to double the profits of marginalized farmers across the developing world and increase food production while protecting the ever-degrading environment! **All-in-one Tech Enabled Machines for Precision Farming!**

We have developed World’s First Successful Tractor Powered UDP/FDP applicator (DH Vriddhi and DH Samriddhi) which makes it very easy to deploy urea briquettes in soil & **reduces the labor requirement by 60 times** compared to manual UDP application while **reducing the fertilizer consumption by 40%** and **increasing productivity up to 25%**. Our machines are **12 times more effective in GHG emission reduction than Solar panels!**

Key points

- Our machines are multipurpose, applicable on many crops and Tech enabled.
- We are Govt. certified and subsidized.
- Machines are inclusive of live data collection and impact dash boarding.
- All the technologies are patented nationally and internationally.
- These high impact innovations were developed in collaboration with the world’s best design company, IDEO.

Multipurpose Tractor Driven Machines



Functions - Scientific fertilizer application, Tilling, Weeding, Earthing-up, Seeding

Features - Live location tracking & Intelligent dashboards

SOCIAL IMPACT:

- **50-100% profit increase for farmers** (an additional profit of INR 18,750/hectare/season)
- Achieve **20-25% higher crop yields** due to the UDP technology (also leads to further reduction of effective emissions per kg of produce)
- **35% lesser fertilizer**
- **Weeding costs reduced by 25%-35%** with the help of UDP Technology
- An **entrepreneur** owning the machinery and renting it to **farmers breaks even in just a one-year** time period. Thereafter, the entrepreneur works with **Annual Operating Profit of INR 1,28,000** for every machine owned.

Environmental impact:

- In India out of total 1570 Million Tonnes Co2 eq emission, 143 MMT of CO2 Eq i.e. 9% emission is due to Transport while 360 MMT CO2 eq i.e. 22.9% is due to Agriculture - primarily due to present Paddy cultivation and fertilization practice
 - a) Climate Change Mitigation: Reduction of up to 650 tons of Green House Gas (GHG) emissions annually per machine*
 - b) Reduction in Urea fertilizer: 35% or 70 kg/Ha/season (1 ton of urea production and its usage causes GHG emissions of 5.7 tons CO2eq)
- Reduction in water pollution: Approx. 80% of water pollution through eutrophication & leaching of fertilizers in groundwater can be reduced
- Increase in soil organic content and overall soil fertility

