

Implementing Best Practices Challenges and Perspectives for Ensuring Farmer Returns

### **TOBACCO: Production Challenges**

#### Uncertainties makes tobacco cultivation complicated at every stage.



#### **TOBACCO: Dynamic Customer Requirements**

### **Crop alignment as per customer requirement**



Ensuring farmer returns (Sustainable Rural Livelihoods) is the key to protect tobacco industry.

### **AGRI EXTENSION - APPROACH**







# **Risk Mitigation**

(Insurance, Resource optimization, institutional support)

Implementing Best Practices in Tobacco Cultivation Tobacco Sector Journey .....

#### FCV tobacco is the Perfect Model of Agri Extension in the country....





## Key Achievement of Agri Extension .....



100% farmers touched with training programme



• 98% farmers use High Yielding Variety / Hybrids



• 70% Farmers covered with Tray Seedling



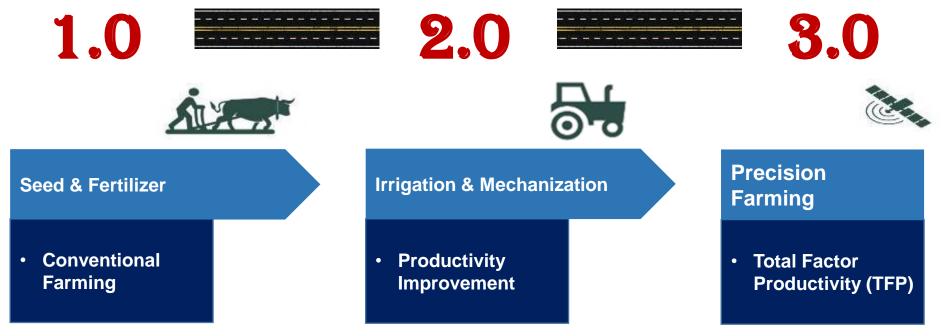
• 30% barns covered with energy conservation measures

### GOING FORWARD.....

Resource use efficiency to achieve higher Total Factor Productivity (TFP) will ensure farmer returns.

### **AGRICULTURE - TRANSFORMATION CHANGES**







#### **Digital Technology in Tobacco Farming**

Digital Crop Monitoring + Customized Crop Advisory + Data based process management.

### **DIGITAL CROP MONITORING**



#### Farm Monitoring

Farmer Enrolment / Geotagging

Expert Advice Good Agricultural Practices

Weather Update





Pest / Disease Management

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Input Recommendation

Monitoring / Alerts

#### **Custody of Supplies**



# Digital & precision solutions which can change tobacco farming in the country....



Farm Mechanization Solutions



**Biodegradable Mulch** 





Smart Irrigation

Pest Monitoring & Pest Free Solutions



**IOT Devices** 



**IOT Barn Monitors** 



Customized Fertilizer Solutions



Drones

#### WAY FORWARD STRATEGY – FARMER RETURNS



2. Total Factor productivity to optimize input utilization and leverage the genetic potential

3. Ease of farming - mechanization

#### 4. Crop Insurance

# **Open for Discussion**

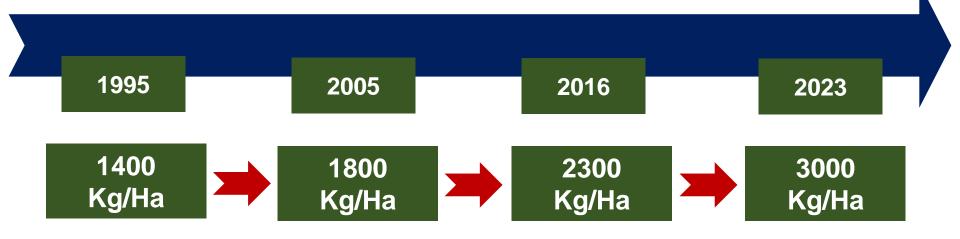
# **Thank You**

### FARM PRODUCTIVITY



### Deployment of region specific interventions to improve farm productivity





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# Improving post harvest infra to reduce NTRM incidence



### **CPA FREE DELIVERY – ACTIONS**



Education Individual Famer Level Engagement

Collaboration Village wise distribution channel for safe CPAs



Monitoring Scouting Centers & Intra Village Grouping



Reinforcing Heightened Vigilance



### **COST OF CULTIVATION REDUCTION**



Total Barns under Energy Conservation	30,045
Fuel Wood Savings (M.Kg)	105
Total Savings (Rs. Cr)	35

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Drip Savings Per (Rs./Ha)	7120
Total Hectare	6500
Total Savings (Rs. Cr)	4.6