

## ICAR-CENTRAL TOBACCO RESEARCH INSTITUTE

Phethai Cyclone in AP - Impacts on FCV Tobacco and Advisories for Mitigation (17.12.2018).

### Northern Light Soils and Northern Black Soils:

Continuous drizzling has been occurring since yesterday noon and resulted in rainfall ranging from 40 to 60 mm in the past 24 hours. The unfolding cyclone is expected to cause further rainfall in NLS and NBS in the 24 hours as per forecast. The heavy rainfall received is expected to create negative impacts on the FCV tobacco fields in these regions:

#### **A. Observed and likely impacts of Phethai cyclone on FCV tobacco in NLS and NBS regions:**

- Inundation of the tobacco fields
- High rainfall coupled with wind speed may result in lodging of the crop in the grownup fields
- Leaching of applied Nitrogen & Potassium
- Possibility of incidence of Black shank

#### **B. Advisories for mitigating the likely impacts (to be taken up immediately after cessation of rain):**

- Drain out the water from the fields at the earliest wherever feasible
- Apply additional dose of 20% of N & K (of 3<sup>rd</sup> dose) to compensate the leaching losses, if the 3<sup>rd</sup> dose of fertilizer was already applied in the recent past ( i.e. apply N and K @ 8 kg of Ammonium Sulphate + 6 kg Potassium Nitrate per Acre.) )
- Spraying of 0.2% of copper oxychloride *i.e.* 2 gm in one liter of water to avoid the black-shank incidence.
- Take up inter-culture operations once the soil becomes workable (3 to 4 days later)

### Southern Light Soil & Southern Black Soil regions of AP.

Very little rainfall ranging from 10 to 15 mm was received during the past 24 hours as result of the Phethai Cyclone in SLS & SBS regions. The small amount of rainfall received is, in fact, going to be beneficial to the FCV tobacco crop in these regions. As such, no specific advisory is made for the FCV tobacco farmers in SLS & SBS region of A.P.