

Drought Assessment Framework (DRAS) for Irrigation Water Management

Drought assessment and water requirement for T Aman crop Ghoraghat Upazila, Dinajpur District



Optimum production with minimum Irrigation
More than 8 tons per hectare paddy production
attained using DRAS Model



- CEGIS has developed a computational framework for Drought Assessment (DRAS) in co-operation with BARC. Agro-ecological database is used along with detail information of soils from Upazila Nirdeshika Guide of SRDI
- DRAS helps in managing the agriculture crops by assessing:
 - Yield reduction of crops due to drought
 - Net irrigation water requirements for different crops
- The DRAS model is being validated with research institute for the major crops with BIRRI, BARI and also in the farmers fields in different agro-climatic environments of Bangladesh

