**West Bengal**

West Bengal comprises of four Agro Ecological Regions (AER) 12,15,16 & 18.

**Agro-Eco Region 12:**

AER 12 in West Bengal comprises of Bankura, Puruliya, Bardaman, Birhum and Pashchim Medinipur districts of Eastern (Chhotanagpnr) Plateau and Eastern Ghats under Agro Ecological Sub Region (AESR) 12.3.

**AESR 12.3:** The region is hot, dry subhumid ESR with moderately deep to deep loamy to clayey Red and Lateritic soils, medium AWC and LGP of 150-180 days in a year.

**Major NRM issues :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Bankura | **-** |  |  |  |
| Bardaman | Waterlogged |  |  |  |
| Birhum | **-** | Low in OC, Soil deficient in N |  |  |
| Pashchim Medinipur | Waterlogged | Soil deficient in N |  |  |
| Puruliya | Exclusively water erosion | Low in OC, Soil deficient in N |  |  |

**Major technological Interventions:**

|  |  |
| --- | --- |
| **Districts** | **Major technological Interventions** |
| Bankura |  |
| Bardaman |  |
| Birhum |  |
| Pashchim Medinipur |  |
| Puruliya |  |

**Relevant Developmental Schemes:**

|  |  |
| --- | --- |
| **Districts** | **Relevant Developmental Schemes** |
| Bankura |  |
| Bardaman |  |
| Birhum |  |
| Pashchim Medinipur |  |
| Puruliya |  |

**Crop Planning/Farming System:**

|  |  |  |
| --- | --- | --- |
| **Districts** | **Existing Cropping/farming system** | **Alternate Cropping/farming system** |
| Bankura |  |  |
| Bardaman |  |  |
| Birhum |  |  |
| Pashchim Medinipur |  |  |
| Puruliya |  |  |

**Important Links :**

*District Soil nutrient status:*

*District Contingency Plan:*

*District Irrigation Plan:*

*District ground water status:*

*District Vulnerability status:*

***Relevant Research Institutes/SAUs/KVKs/STL for technical backstopping:***

|  |  |
| --- | --- |
| **Districts** |  |
| Bankura |  |
| Bardaman |  |
| Birhum |  |
| Pashchim Medinipur |  |
| Puruliya |  |

**Agro-Eco Region 15:**

AER 15 in West Bengal comprises of Bankura,Bardaman,Birhum, Dakshin Dinajpur, Haora, Hugli,Malda,Mursidabad, Nadia, North 24 Pragana, Pashchim Medinipur, Uttar\_Dinajpur,Jalpaiguri,Kochbihar, Darjeeling and South 24 Parganas districts of Bengal and Assam Plain under Agro Ecological Sub Regions (AESR) 15.1 & 15.3.

**AESR 15.1:** The region hot moist subhumid ESR with deep loamy to clayey alluvium-derived soils, medium to high AWC and LGP 210-240 days in a year.

**Major NRM issues :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Bankura | **-** | **-** |  |  |
| Bardaman | Waterlogged | **-** |  |  |
| Birhum | **-** | Low in OC, Soil deficient in N |  |  |
| Dakshin Dinajpur | - | Soil deficient in N |  |  |
| Haora | Coastal Salinity | Soil deficient in P |  |  |
| Hugli | - | **-** |  |  |
| Malda | Waterlogged | Low in OC, Soil deficient in N |  |  |
| Mursidabad | - | **-** |  |  |
| Nadia | Waterlogged | Low in OC |  |  |
| North 24 Pragana | Coastal Salinity | Low in OC, Soil deficient in N |  |  |
| Pashchim Medinipur | Waterlogged | **-** |  |  |
| Uttar\_Dinajpur | Waterlogged | Soil deficient in N |  |  |
| South 24 Parganas | Salt affected soils | - |  |  |

**Major technological Interventions:**

|  |  |
| --- | --- |
| **Districts** | **Major technological Interventions** |
| Bankura |  |
| Bardaman |  |
| Birhum |  |
| Dakshin Dinajpur |  |
| Haora |  |
| Hugli |  |
| Malda |  |
| Mursidabad |  |
| Nadia |  |
| North 24 Pragana |  |
| Pashchim Medinipur |  |
| Uttar\_Dinajpur |  |
| South 24 Parganas |  |

**Relevant Developmental Schemes:**

|  |  |
| --- | --- |
| **Districts** | **Relevant Developmental Schemes** |
| Bankura |  |
| Bardaman |  |
| Birhum |  |
| Dakshin Dinajpur |  |
| Haora |  |
| Hugli |  |
| Malda |  |
| Mursidabad |  |
| Nadia |  |
| North 24 Pragana |  |
| Pashchim Medinipur |  |
| Uttar\_Dinajpur |  |
| South 24 Parganas |  |

**Crop Planning/Farming System:**

|  |  |  |
| --- | --- | --- |
| **Districts** | **Existing Cropping/farming system** | **Alternate Cropping/farming system** |
| Bankura |  |  |
| Bardaman |  |  |
| Birhum |  |  |
| Dakshin Dinajpur |  |  |
| Haora |  |  |
| Hugli |  |  |
| Malda |  |  |
| Mursidabad |  |  |
| Nadia |  |  |
| North 24 Pragana |  |  |
| Pashchim Medinipur |  |  |
| Uttar\_Dinajpur |  |  |
| South 24 Parganas |  |  |

**Important Links :**

*District Soil nutrient status:*

*District Contingency Plan:*

*District Irrigation Plan:*

*District ground water status:*

*District Vulnerability status:*

***Relevant Research Institutes/SAUs/KVKs/STL for technical backstopping:***

|  |  |
| --- | --- |
| **Districts** |  |
| Bankura |  |
| Bardaman |  |
| Birhum |  |
| Dakshin Dinajpur |  |
| Haora |  |
| Hugli |  |
| Malda |  |
| Mursidabad |  |
| Nadia |  |
| North 24 Pragana |  |
| Pashchim Medinipur |  |
| Uttar\_Dinajpur |  |
| South 24 Parganas |  |

**AESR 15.3:** The region is hot moist humid to perhumid ESR with deep, loamy to clayey alluvium derived soils, medium AWC and LGP 270-300 days in a year.

**Major NRM issues :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Jalpaiguri |  |  |  |  |
| Kochbihar |  |  |  |  |

**Major technological Interventions:**

|  |  |
| --- | --- |
| **Districts** | **Major technological Interventions** |
| Jalpaiguri |  |
| Kochbihar |  |

**Relevant Developmental Schemes:**

|  |  |
| --- | --- |
| **Districts** | **Relevant Developmental Schemes** |
| Jalpaiguri |  |
| Kochbihar |  |

**Crop Planning/Farming System:**

|  |  |  |
| --- | --- | --- |
| **Districts** | **Existing Cropping/farming system** | **Alternate Cropping/farming system** |
| Jalpaiguri |  |  |
| Kochbihar |  |  |

**Important Links :**

*District Soil nutrient status:*

*District Contingency Plan:*

*District Irrigation Plan:*

*District ground water status:*

*District Vulnerability status:*

***Relevant Research Institutes/SAUs/KVKs/STL for technical backstopping:***

|  |  |
| --- | --- |
| **Districts** |  |
| Jalpaiguri |  |
| Kochbihar |  |

**Agro-Eco Region 16:**

AER 16 in West Bengal comprises of only one Darjeeling district of Eastern Himalayas under Agro Ecological Sub Region (AESR) 16.2.

**AESR 16.2:** The region is warm perhumid ESR with shallow to medium deep loamy Brown and Red Hill soils, low to medium AWC and LGP 300 days in a year.

**Major NRM issues :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Darjeeling | **-** | Soil deficient in N |  |  |

**Major technological Interventions:**

|  |  |
| --- | --- |
| **District** | **Major technological Interventions** |
| Darjeeling |  |

**Relevant Developmental Schemes:**

|  |  |
| --- | --- |
| **District** | **Relevant Developmental Schemes** |
| Darjeeling |  |

**Crop Planning/Farming System:**

|  |  |  |
| --- | --- | --- |
| **District** | **Existing Cropping/farming system** | **Alternate Cropping/farming system** |
| Darjeeling |  |  |

**Important Links :** Darjeeling

*District Soil nutrient status:*

*District Contingency Plan:*

*District Irrigation Plan:*

*District ground water status:*

*District Vulnerability status:*

***Relevant Research Institutes/SAUs/KVKs/STL for technical backstopping:***

|  |  |
| --- | --- |
| **District** |  |
| Darjeeling |  |

**Agro-Eco Region 18:**

AER 18 in West Bengal comprises of Eastmednipur and South 24 Parganas districts of Eastern Coastal Plain under Agro Ecological Sub Region (AESR) 18.5.

**AESR 18.5:** The region is hot moist subhumid to humid ESR with deep, loamy to clayey Coastal and deltaic alluvium-derived soils, medium AWC and LGP 240-270 days in a year.

**Major NRM issues :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| East mednipur | Coastal Salinity | Low in OC, Soil deficient in Zn, B&S |  |  |
| South 24 Parganas | Salt affected soils | Low in OC, Soil deficient in Zn,N&B |  |  |

**Major technological Interventions:**

|  |  |
| --- | --- |
| **District** | **Major technological Interventions** |
| Eastmednipur |  |
| South 24 Parganas |  |

**Relevant Developmental Schemes:**

|  |  |
| --- | --- |
| **District** | **Relevant Developmental Schemes** |
| Eastmednipur |  |
| South 24 Parganas |  |

**Crop Planning/Farming System:**

|  |  |  |
| --- | --- | --- |
| **District** | **Existing Cropping/farming system** | **Alternate Cropping/farming system** |
| Eastmednipur |  |  |
| South 24 Parganas |  |  |

**Important Links :** Darjeeling

*District Soil nutrient status:*

*District Contingency Plan:*

*District Irrigation Plan:*

*District ground water status:*

*District Vulnerability status:*

***Relevant Research Institutes/SAUs/KVKs/STL for technical backstopping:***

|  |  |
| --- | --- |
| **District** |  |
| Eastmednipur |  |
| South 24 Parganas |  |