

i-Tree Eco International - Required vs Optional Field Inputs

Required – These fields are required in order for i-Tree Eco to run for this location.

Optional in this Table – If values for these fields are not available at the current level (ie Nation), the corresponding fields should be filled in at the next available level.

Hence there must be values for these fields in one of the tables.

Optional – These fields are optional for running Eco International, however by leaving these fields blank model outputs may be less accurate and in some cases non- existent.

Nation Table

- **Required**
 - Continent Name
 - Nation Name
 - NationAbbrev
 - MainPrimaryPartitionType
 - CurrencyName
 - Latitude
 - Longitude
- **Optional in this Table**
 - ClimateRegionName
 - CostOfElectricity
 - CostOfFuels
 - YearOfCosts
 - Nation.MeanMin
 - Nation.LeafOffDOY
 - Nation.LeafOnDOY
 - Nation.Elevation
 - Nation.GMTOffset
- **Optional**
 - NationalElectEmissions
 - CarbonValueFactor
 - BaseCostCO2
 - BaseCostNO2
 - BaseCostO3
 - BaseCostPM10
 - BaseCostSO2
 - YearofCostsPollutants
 - ProducerPriceIndex

PrimaryPartition Table

- **Required**
 - Nation Name
 - PrimaryPartitionName
 - PrimaryPartitionAbbrev
 - PartitionType
 - MainSecondaryPartitionType
 - Latitude
 - Longitude
- **Optional in this Table**
 - ClimateRegionName
 - CostOfElectricity
 - CostOfFuels
 - YearOfCosts
 - PrimPart.MeanMin
 - PrimPart.LeafOffDOY
 - PrimPart.LeafOnDOY
 - PrimPart.Elevation
 - PrimPart.GMTOffset
 - OzoneState
- **Optional**
 - PrimaryPartitionElectEmissions

SecondaryPartition Table

- **Required**
 - Nation Name
 - PrimaryPartitionName
 - SecondaryPartitionName
 - PartitionType
 - Latitude
 - Longitude
- **Optional in this Table**
 - ClimateRegionName
 - CostOfElectricity
 - CostOfFuels
 - YearOfCosts
 - SecPart.MeanMin
 - SecPart.LeafOffDOY

- SecPart.LeafOnDOY
- SecPart.Elevation
- SecPart.GMTOffset
- Warm Temps
- Abundant Rain
- Abundant Vegetation
- Snow
- OzoneState
- **Optional**
 - SecondaryPartitionElectEmissions

TertiaryPartition Table

- **Required**
 - Nation Name
 - PrimaryPartitionName
 - SecondaryPartitionName
 - TertiaryPartitionName
 - PartitionType
 - Latitude
 - Longitude
- **Optional in this Table**
 - ClimateRegionName
 - CostOfElectricity
 - CostOfFuels
 - YearOfCosts
 - TertPart.MeanMin
 - TertPart.LeafOffDOY
 - TertPart.LeafOnDOY
 - TertPart.Elevation
 - TertPart.GMTOffset
 - Warm Temps
 - Abundant Rain
 - Abundant Vegetation
 - Snow
 - OzoneState
- **Optional**
 - TertiaryPartitionElectEmissions

PollutantValue Table - Optional

NewSpecies Table

- **Required**
 - Genus Name
 - Species Name
 - Species Code
 - Common Name
 - Species Leaf Type
 - Species Growth Form
 - Species Percent Leaf Type
- **Optional**
 - Sub Species
 - Sub Species Code
 - Native Continent
 - Native Nation Name
 - Native Primary Partition Name
 - Native Location Ref ID
 - Leaf Type Ref ID
 - Growth Form Ref ID
 - % Leaf Type Ref ID
 - Growth Rate
 - Longevity
 - Mature Height
 - Comments

Biomass Table - Optional