

Table 1: Soil cover (maximum percentage per gridpoint) over the studied region. They are listed as the order of importance (for each model, the 1st one is the most predominant in the area).

| Model | soil covers |
|---------------|--|
| MesoNH | Irrigated crops C3 cultures types Bare soil Grassland |
| MOLOCH | Cropland Grassland Closed shrubland Wooded grassland |
| Unified Model | C3 cultures types Shrubs inland water |
| WRF | Closed Shrublands Savannas |

