

Figure S1. The importance of input variables for the commodity maps by mean decrease Gini coefficient values. BX variable represents the spectral value of band X, ND_BX_BY indicates the covariates between band X and band Y. elevation, slope, eastness, northness, and aspect were the topographical variables. change_abs, change_norm, transition, occurrence, max_extent, and seasonality were surface water predictors from JRC. We also used several spectral indices for the predictors – i.e. EVI, SAVI, and IBI.

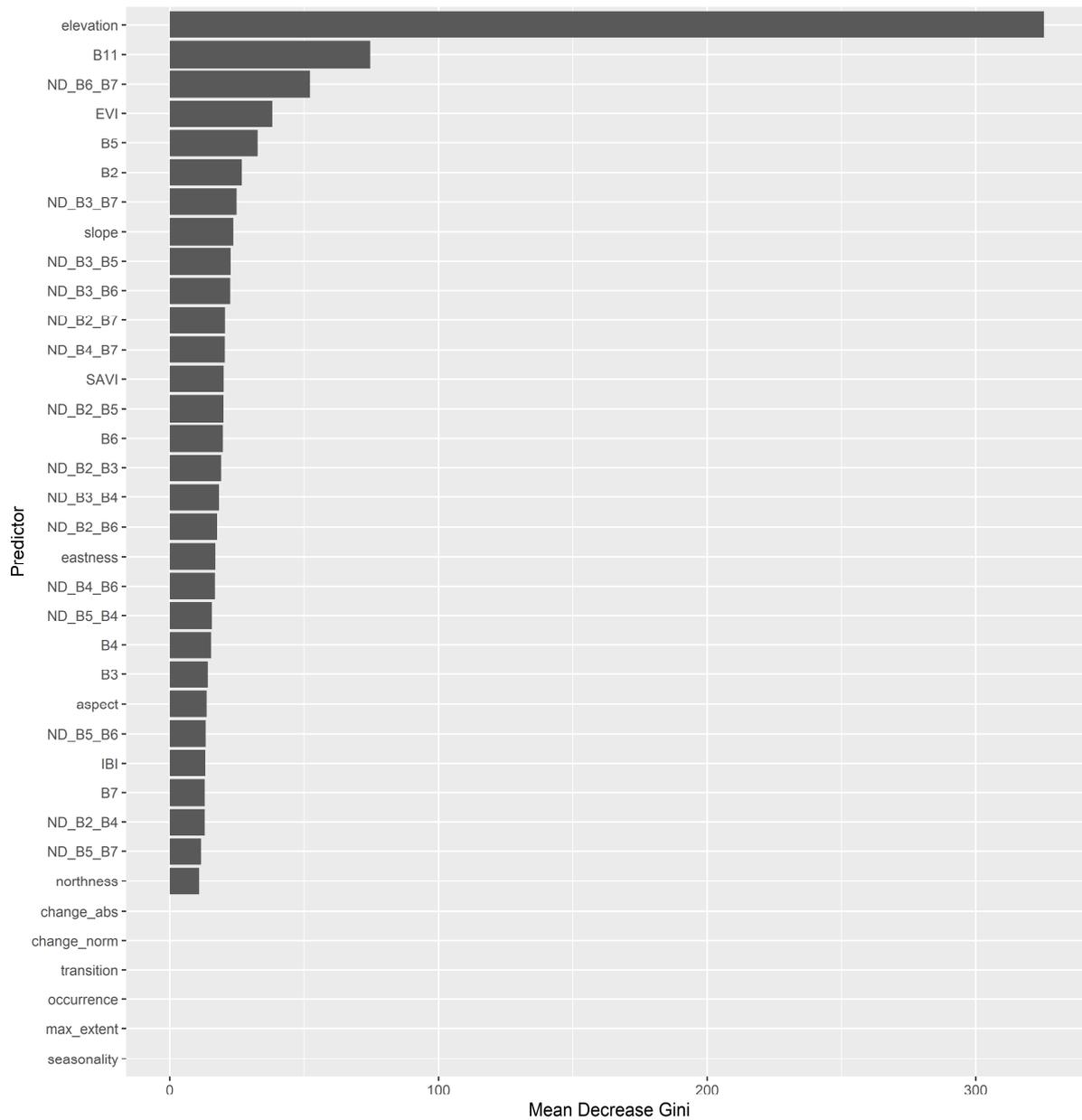


Figure S2. Comparison between provincial reference data (BPS) and our maps by province for **(A)** oil palm commodity and **(B)** paddy rice field commodity.

