

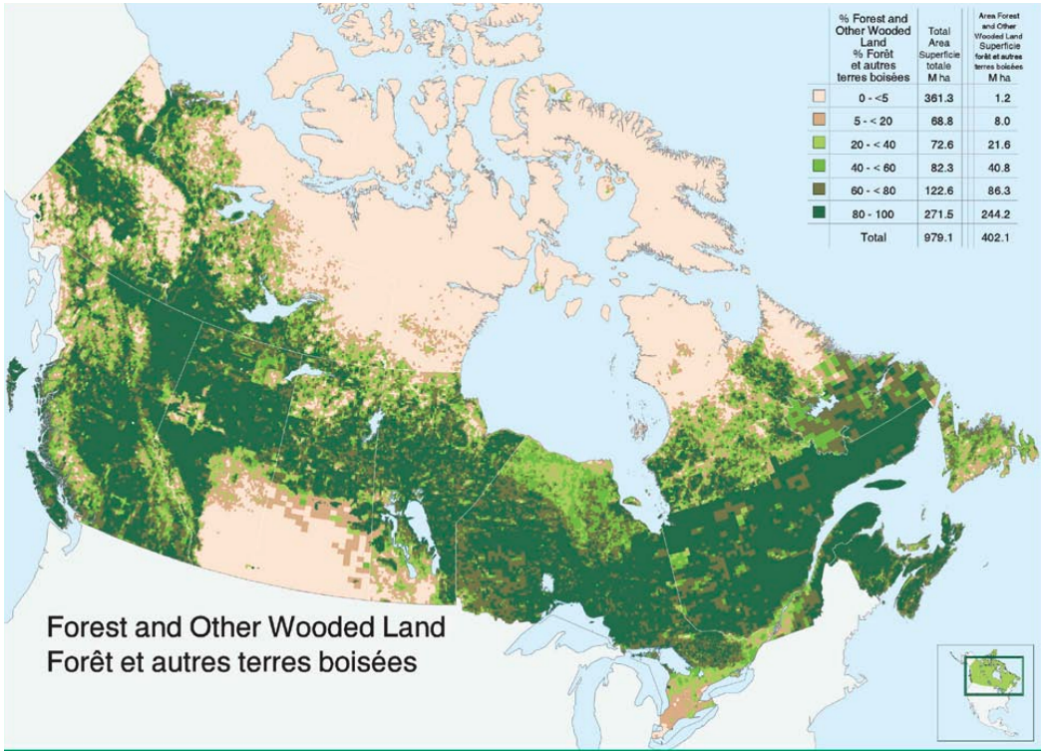


Figure C1: Figure 10 from Power et al. (2006) [26], illustrating the spatial distribution of forested land density across Canada.

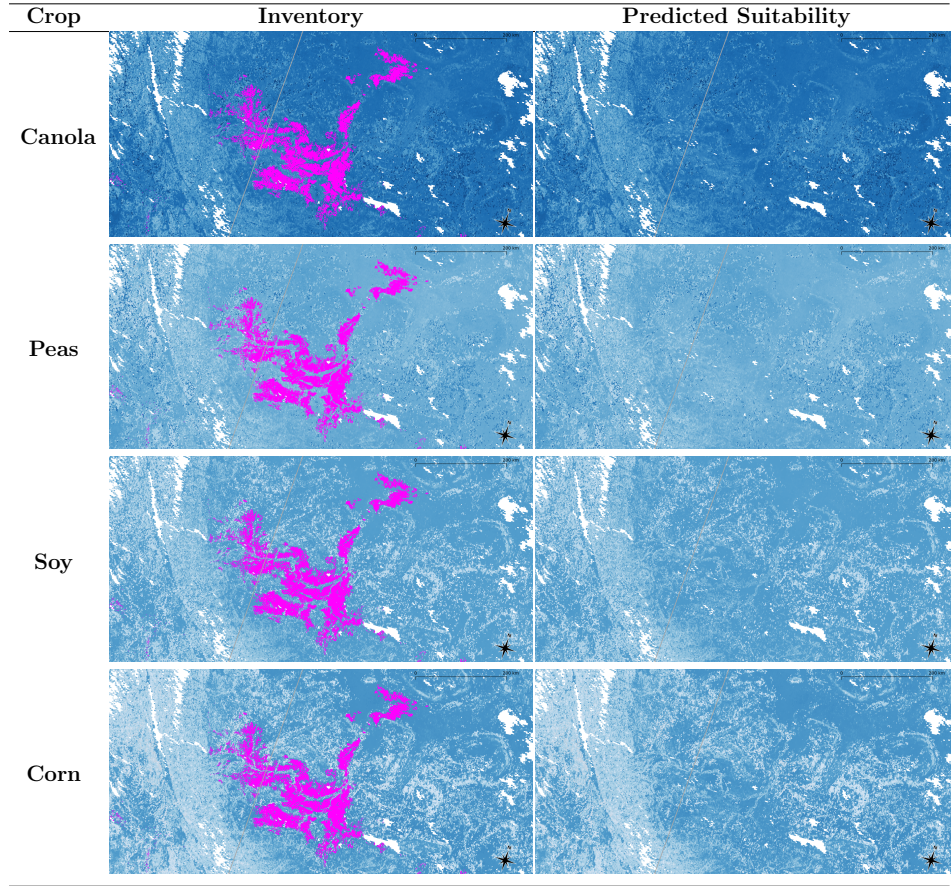


Figure C2: Crop-specific maps showing (left) field-level crop inventory data collected between 2013 and 2023, and (right) predicted land suitability across Canada generated by DeepS⁴. This figure focuses on a subset of crops and is zoomed into northern Alberta, a region not included in the training set. Suitability values are color-coded based on the yield ranges [min, max] reported in Table 3. The maps were created using QGIS version 3.30.0 (<http://www.qgis.org>) [28].

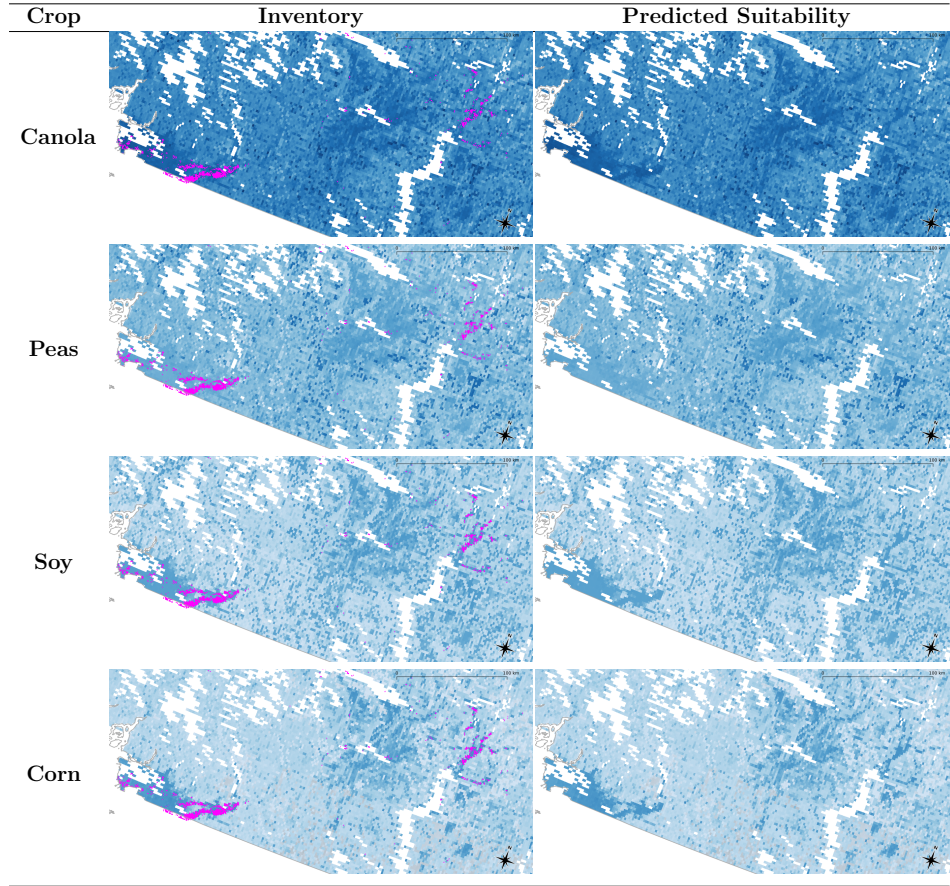


Figure C3: Crop-specific maps showing (left) field-level crop inventory data collected between 2013 and 2023, and (right) predicted land suitability across Canada generated by DeepS⁴. This figure focuses on a subset of crops and is zoomed into southern British Columbia, a region not included in the training set. Suitability values are color-coded based on the yield ranges [min, max] reported in Table 3. The maps were created using QGIS version 3.30.0 (<http://www.qgis.org>) [28].

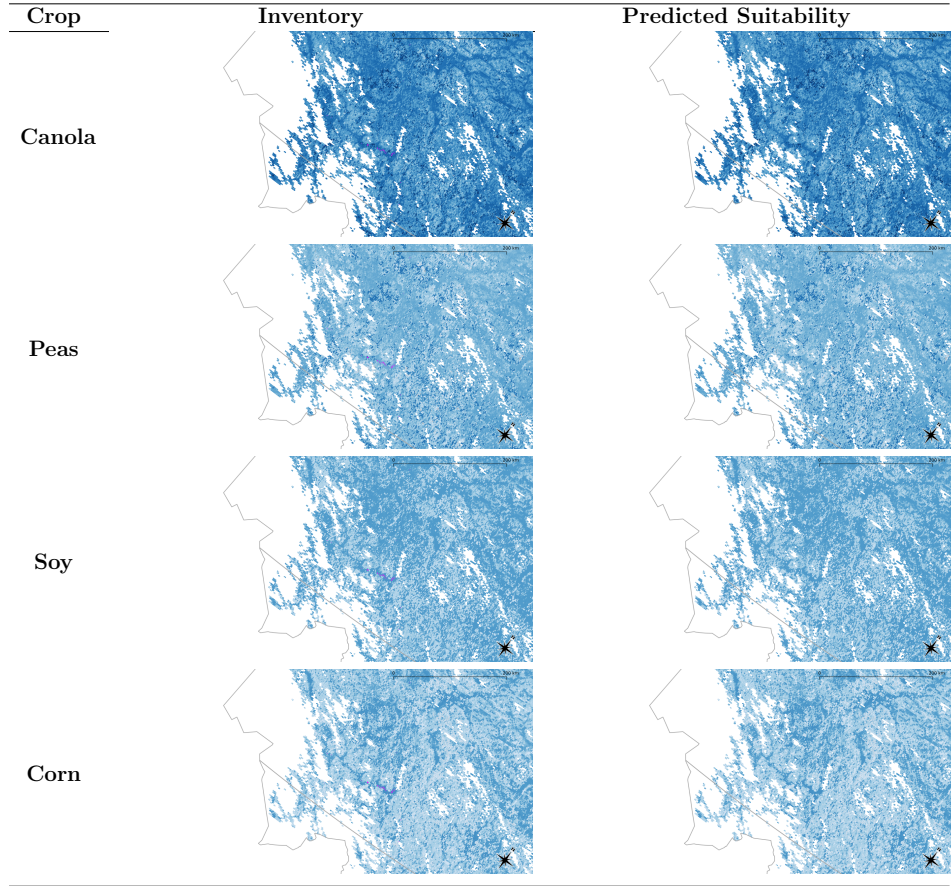


Figure C4: Crop-specific maps showing (left) field-level crop inventory data collected between 2013 and 2023, and (right) predicted land suitability across Canada generated by DeepS⁴. This figure focuses on a subset of crops and is zoomed into southern Yukon, a region not included in the training set. Suitability values are color-coded based on the yield ranges [min, max] reported in Table 3. The maps were created using QGIS version 3.30.0 (<http://www.qgis.org>) [28].

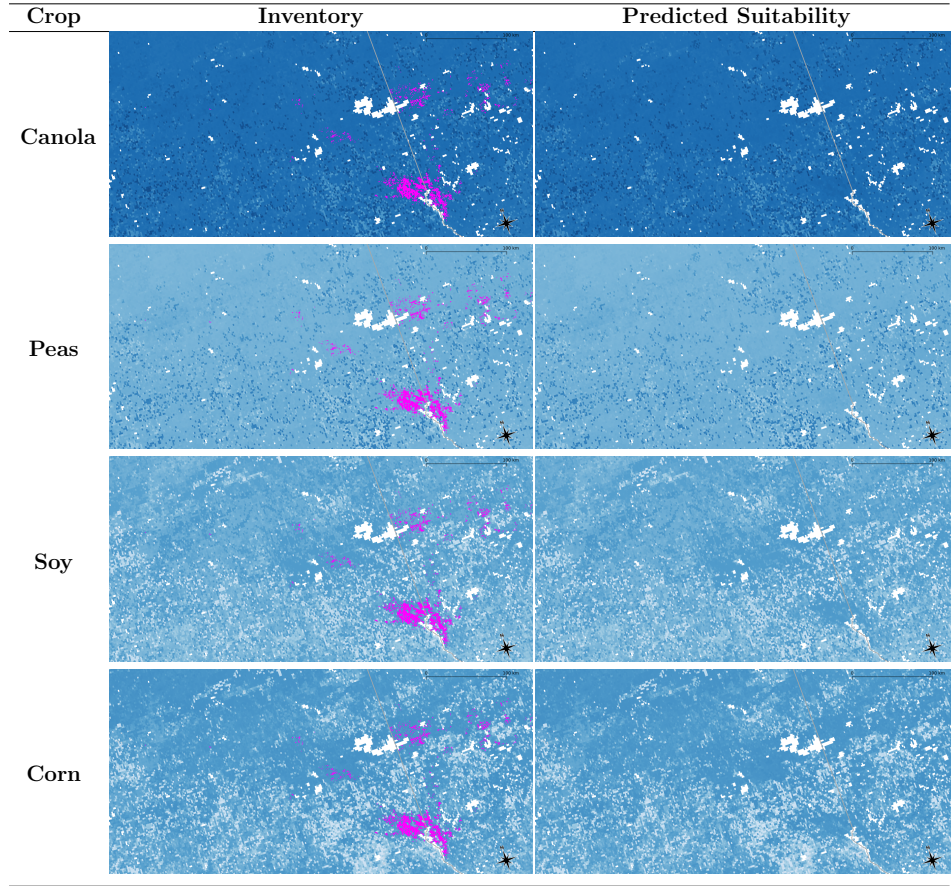


Figure C5: Crop-specific maps showing (left) field-level crop inventory data collected between 2013 and 2023, and (right) predicted land suitability across Canada generated by DeepS⁴. This figure focuses on a subset of crops and is zoomed into the Clay Belt of Ontario, a region not included in the training set. Suitability values are color-coded based on the yield ranges [min, max] reported in Table 3. The maps were created using QGIS version 3.30.0 (<http://www.qgis.org>) [28].