

Figure 1a. A portion of the study area showing researcher managed and farmer managed farms. Ground truth data points and areas (30 m by 30 sample sites) are overlaid on IKONOS 1 meter panchromatic data. The well arranged farms with clear boundaries are the researcher managed farms of the International Center for Agricultural Research in the Dry Areas (ICARDA). Farmers manage the farms outside the fence.

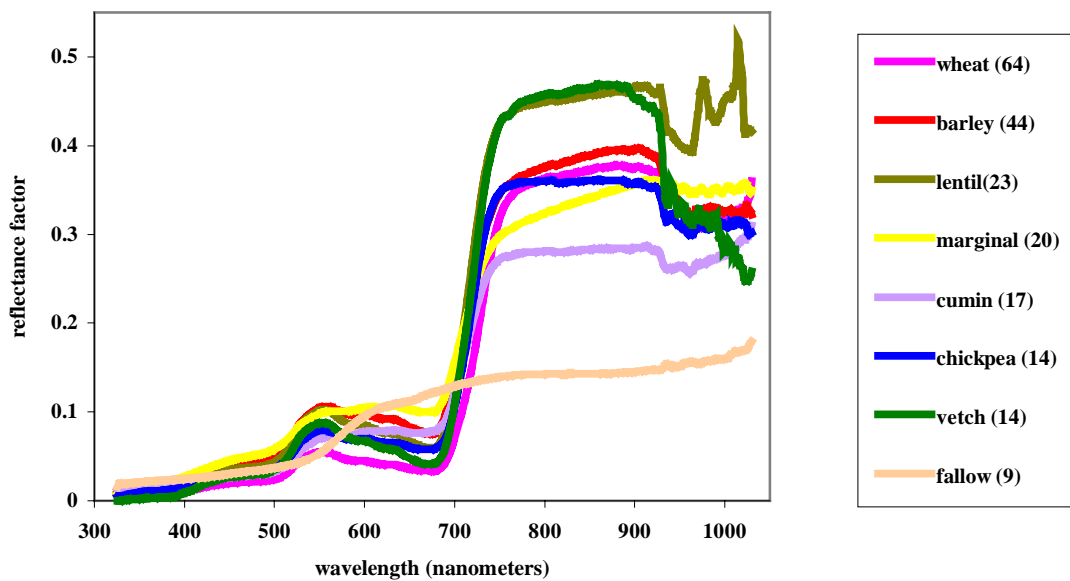


Figure 1b. Spectral characteristics of agricultural crops, marginal lands, and fallows in the study area obtained using hand held spectroradiometer.

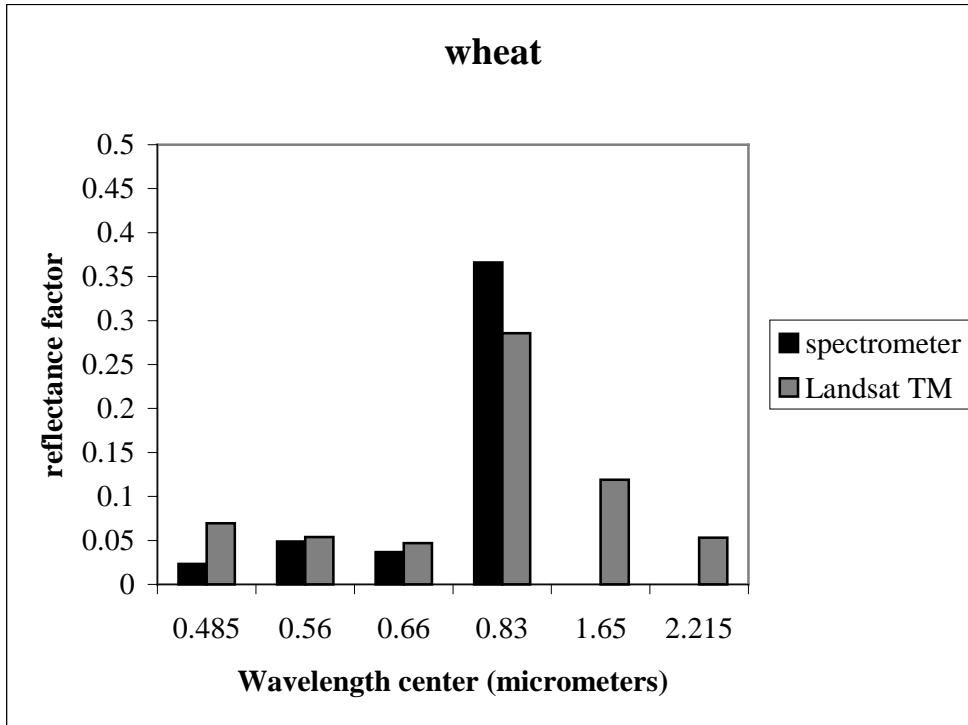


Figure 1c. Broadband data from Landsat-5 TM and spectroradiometer for wheat crop.

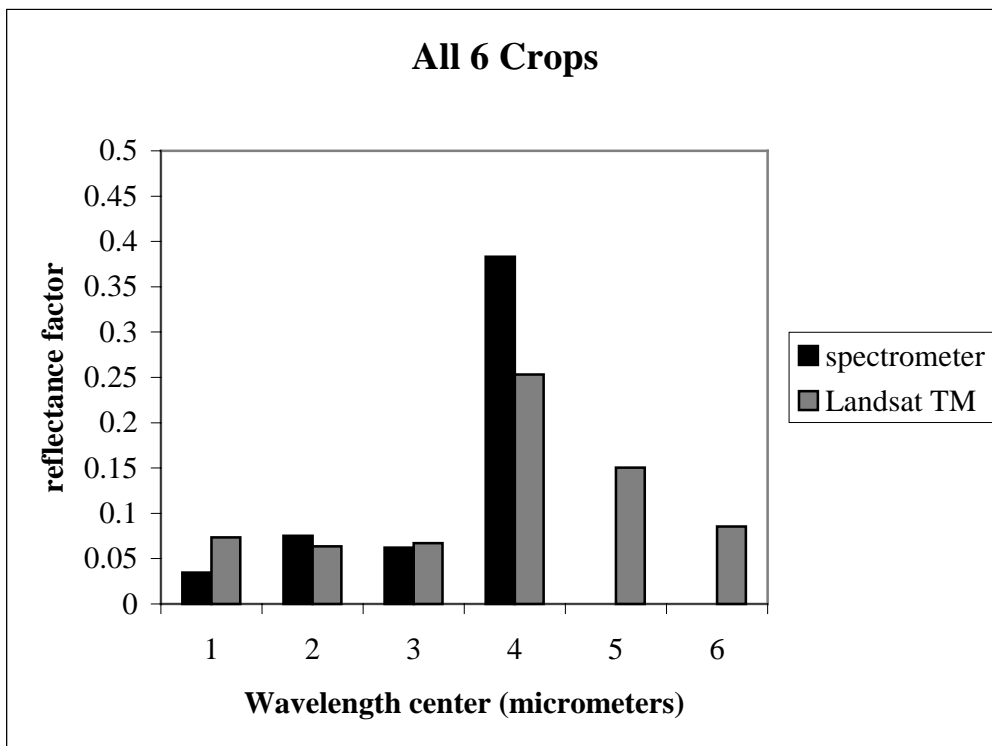


Figure 1d. Broadband data from Landsat-5 TM and spectroradiometer for all crops.

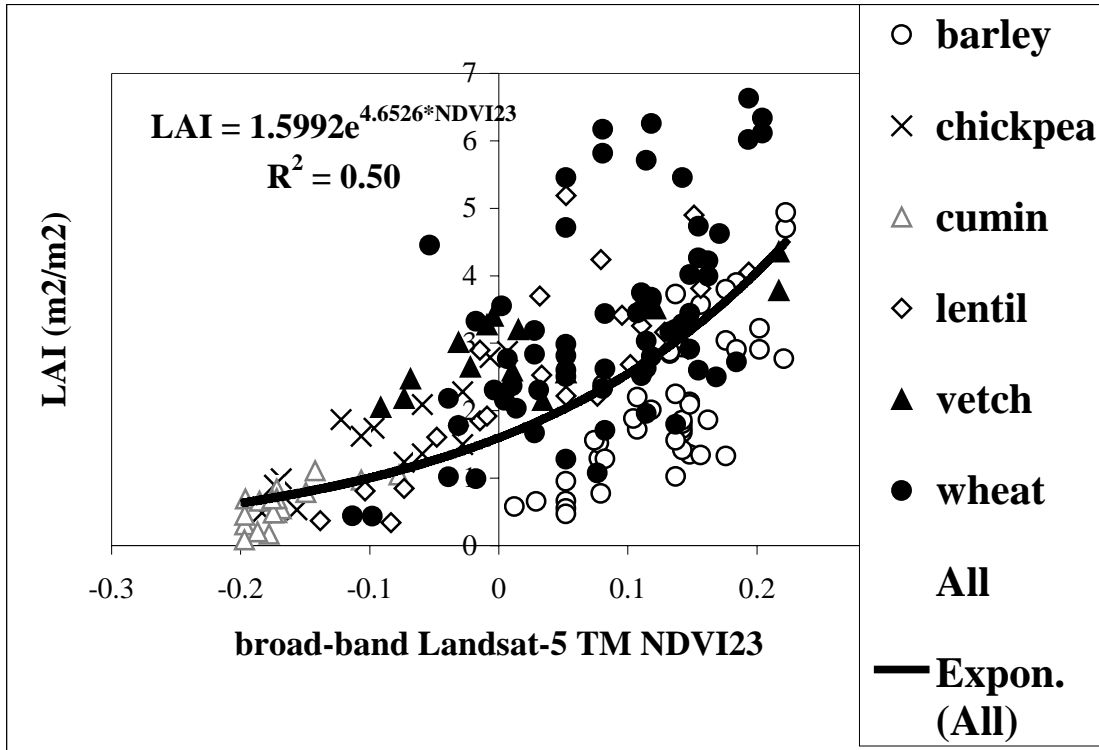


Figure 2a. Broadband green and red based index (NDVI23) vs. LAI.

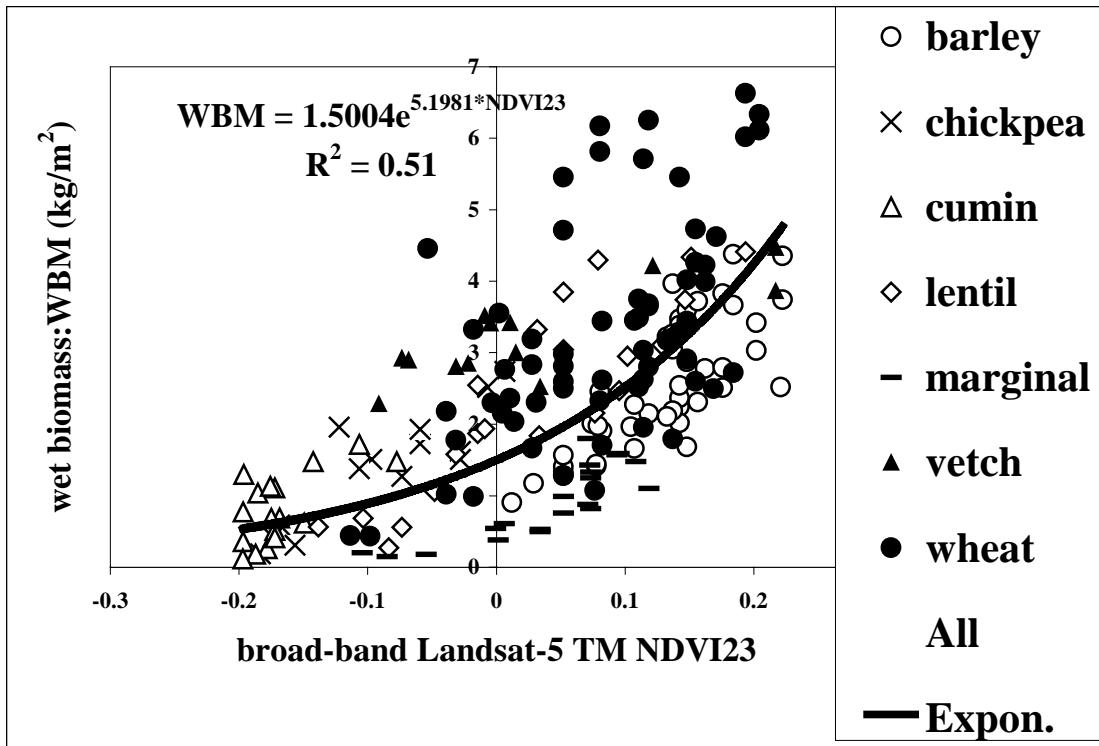


Figure 2b. Broadband green and red based index (NDVI23) vs. WBM.

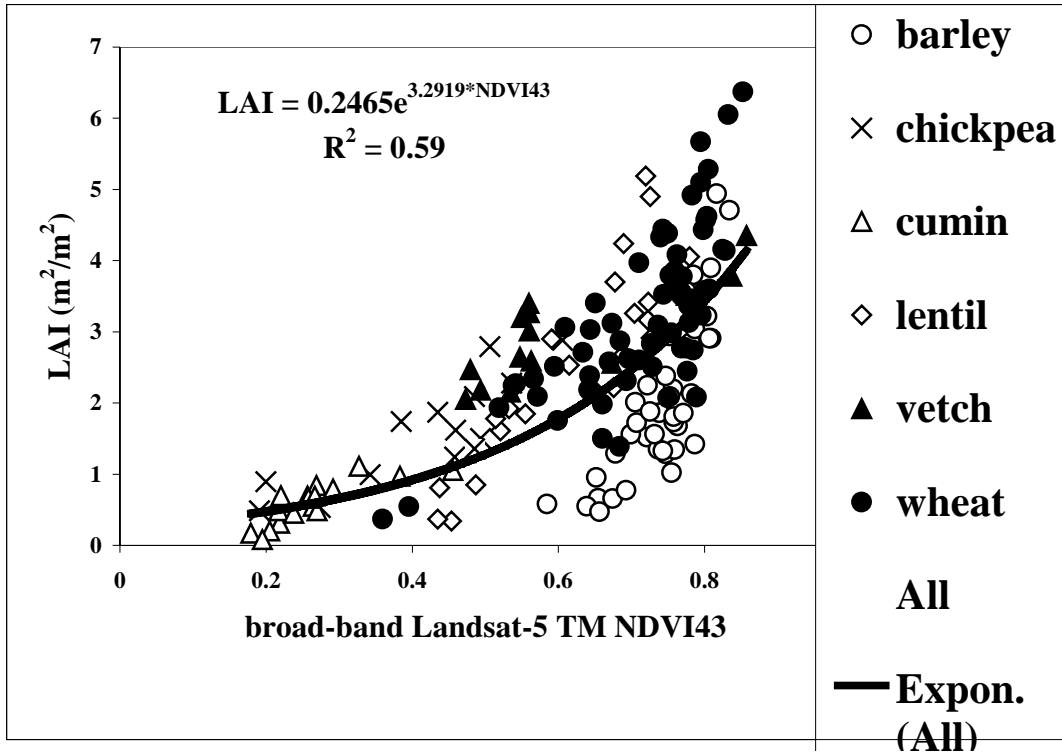


Figure 2c. Broadband NIR and red based index (NDVI43) vs. LAI.

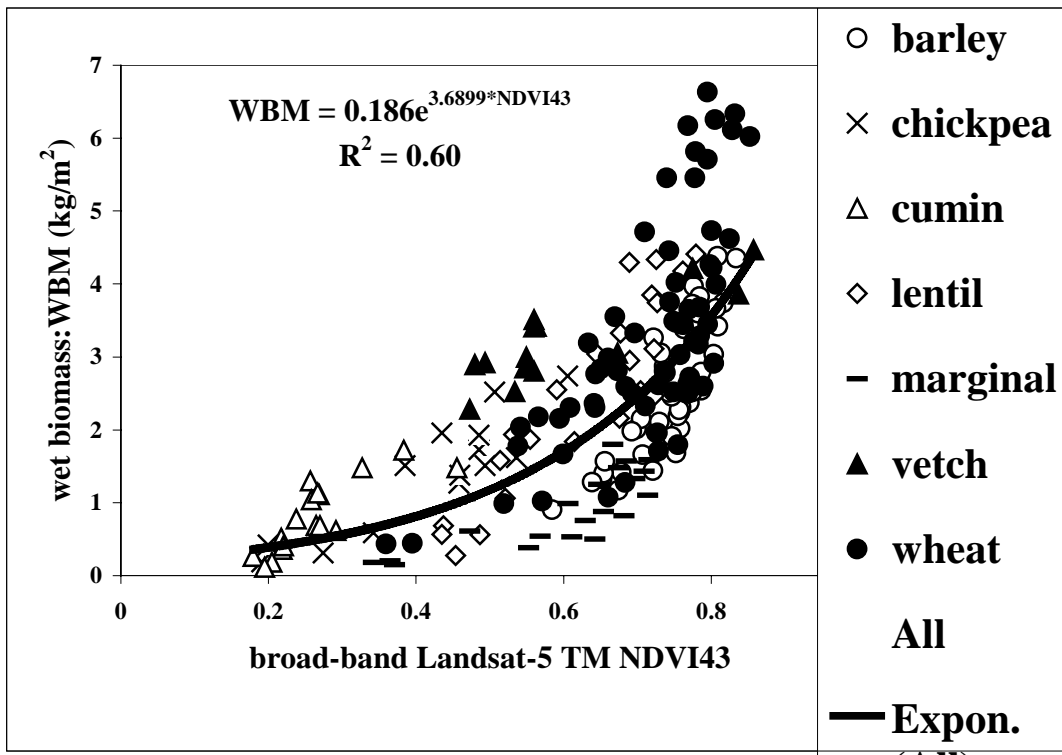


Figure 2d. Broadband NIR and red based index (NDVI43) vs. WBM.

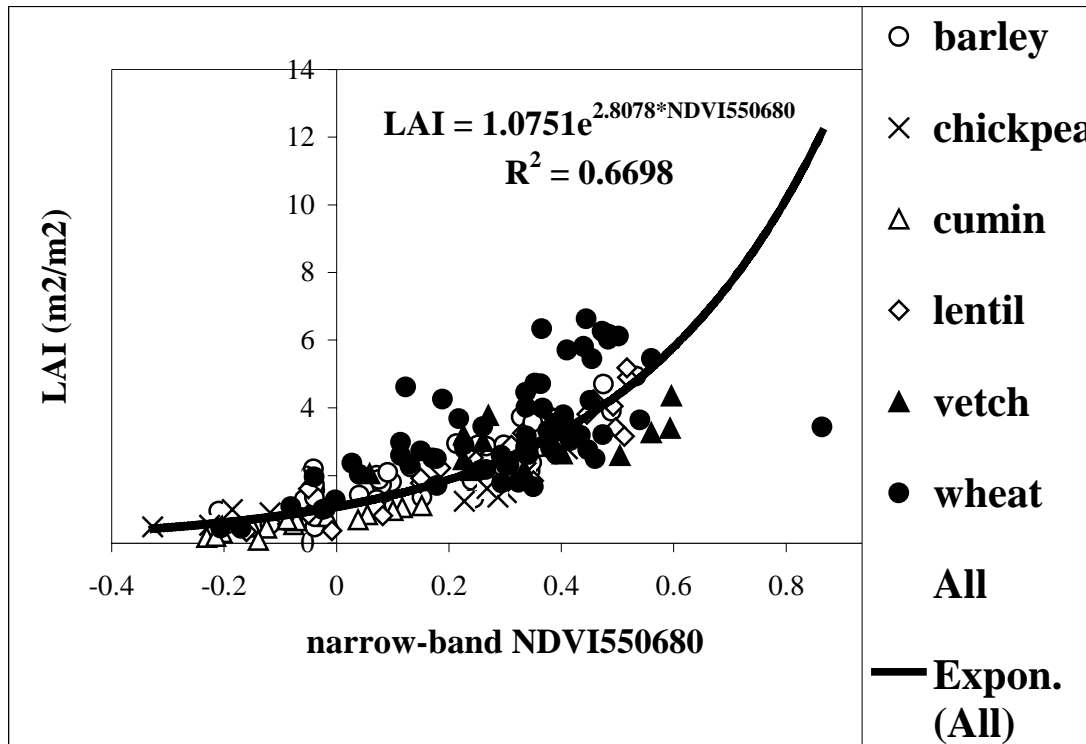


Figure 3a. Narrowband green and red based index (NDVI550680) vs. LAI.

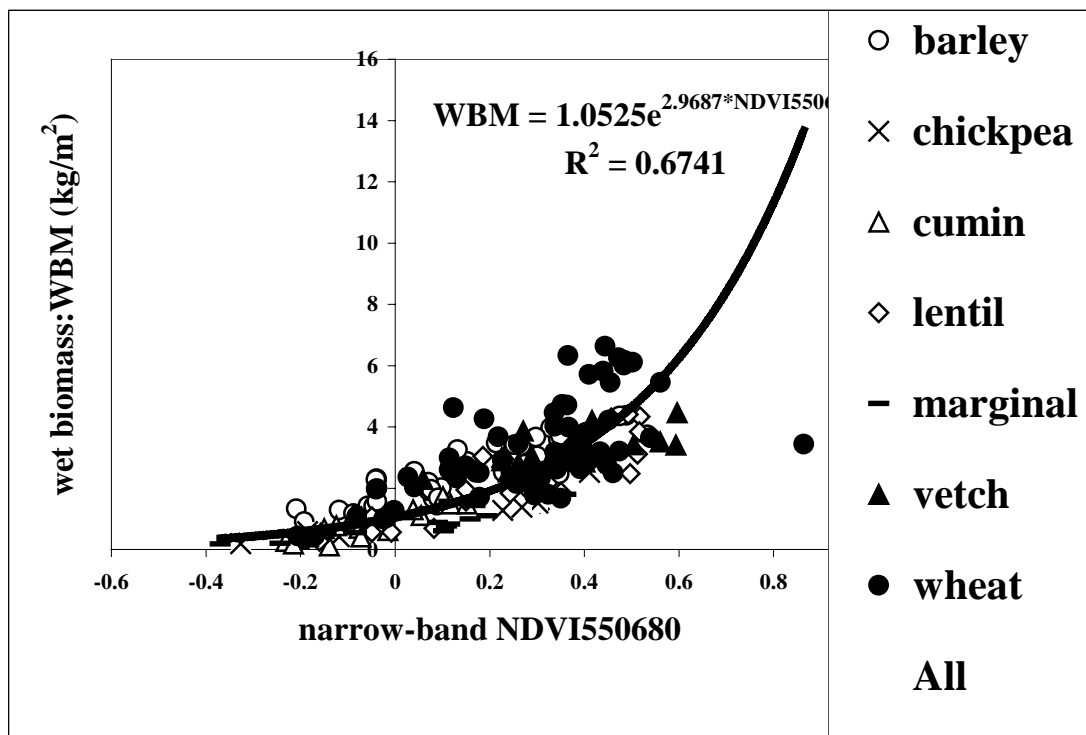


Figure 3b. Narrowband green and red based index (NDVI550680) vs. WBM.

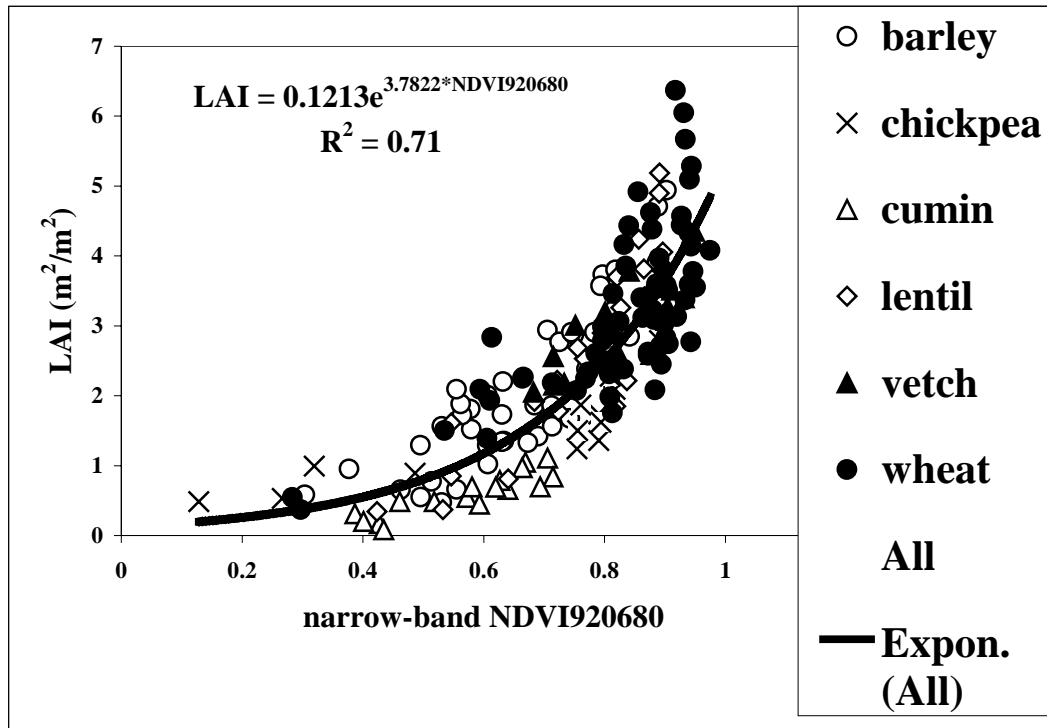


Figure 3c. Narrowband NIR and red based index (NDVI920680) vs. LAI.

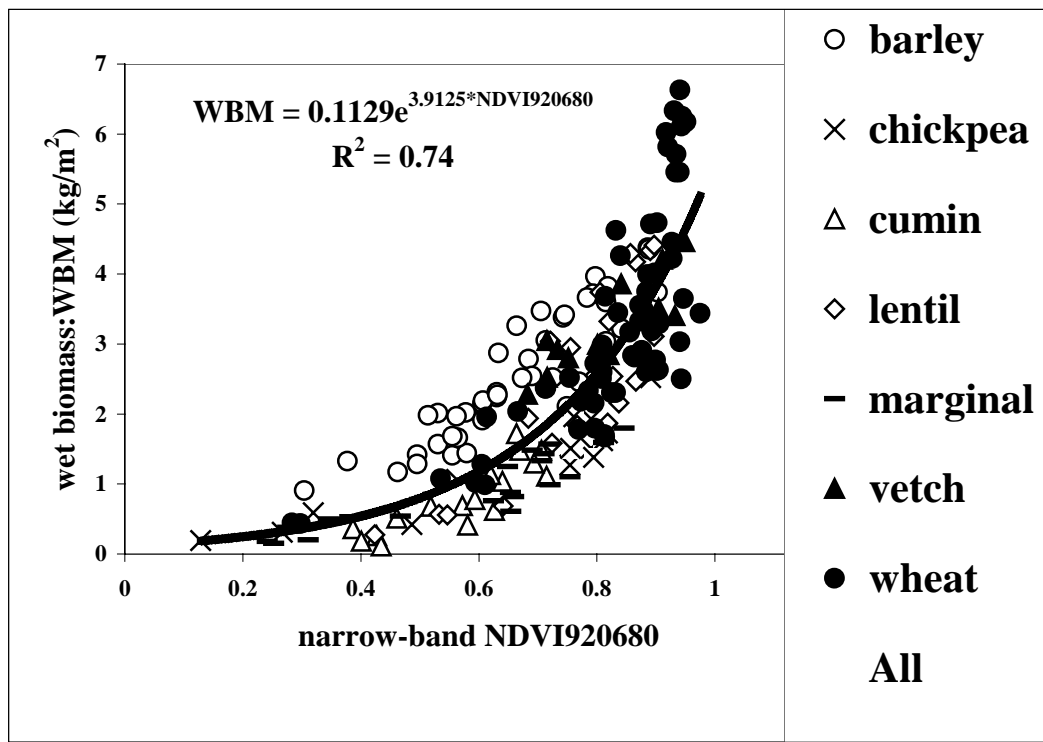


Figure 3d. Narrowband NIR and red based index (NDVI920680) vs. WBM.

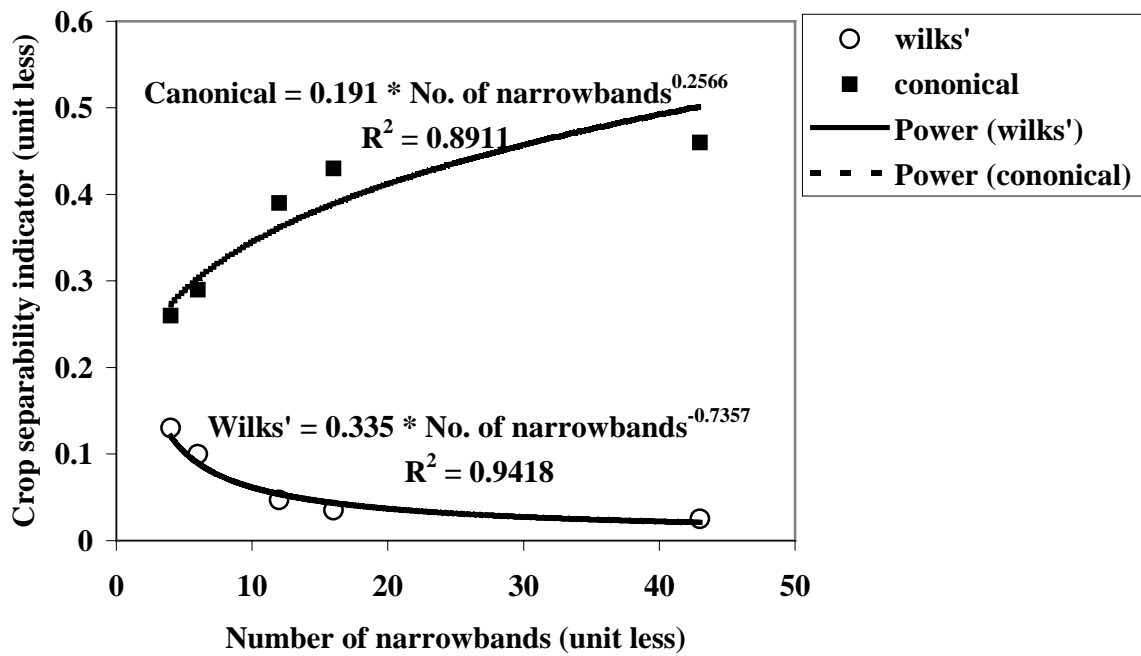


Figure 4a. Wilk's lambda and cononical correlation.

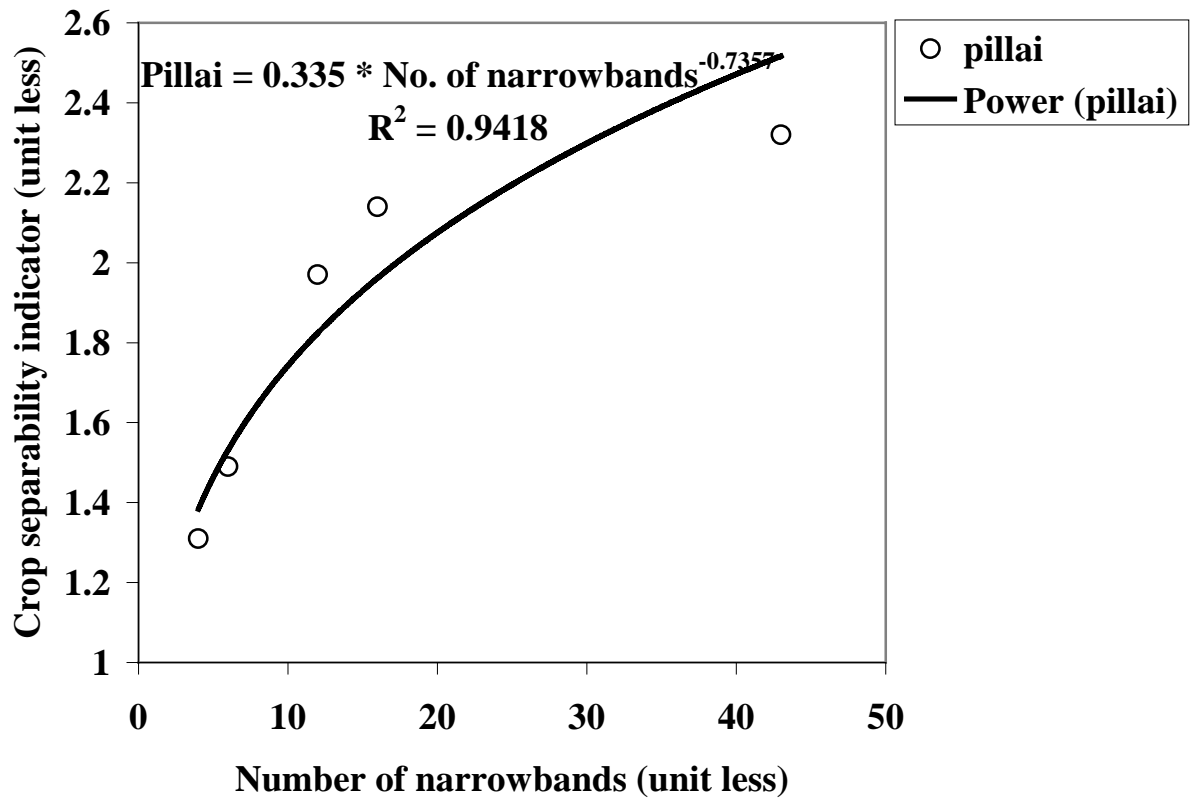


Figure 4b. Pillai trace

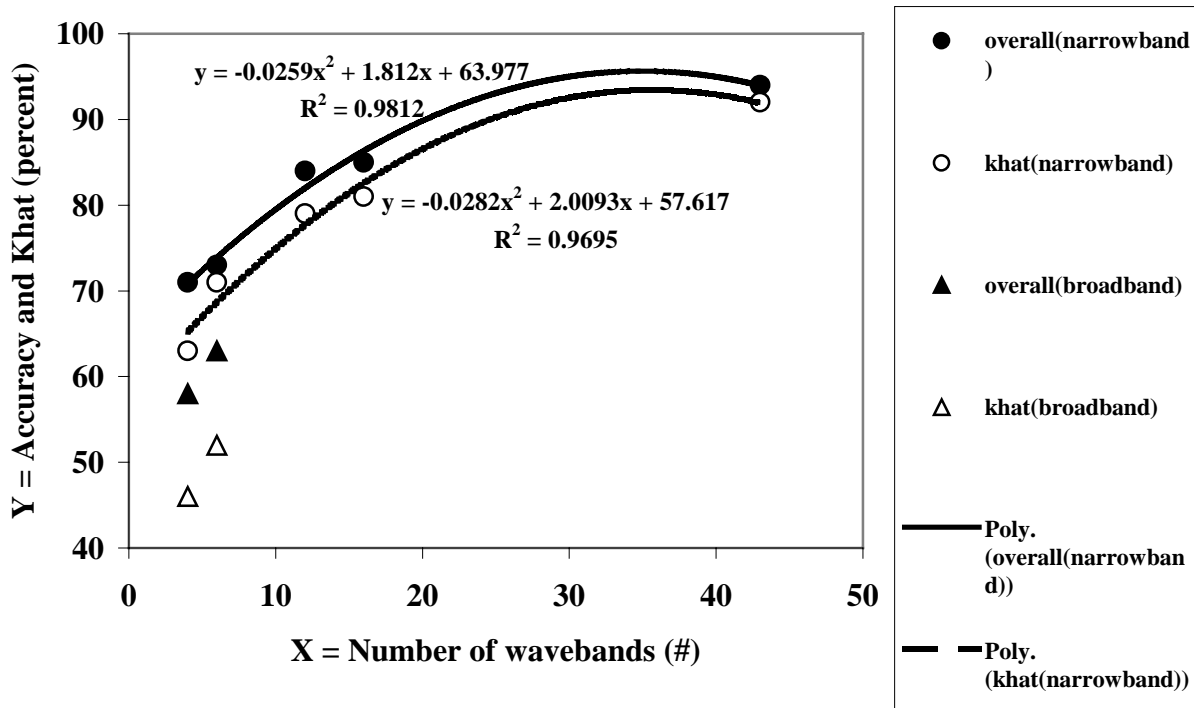


Figure 4c. Overall accuracy and Khat.

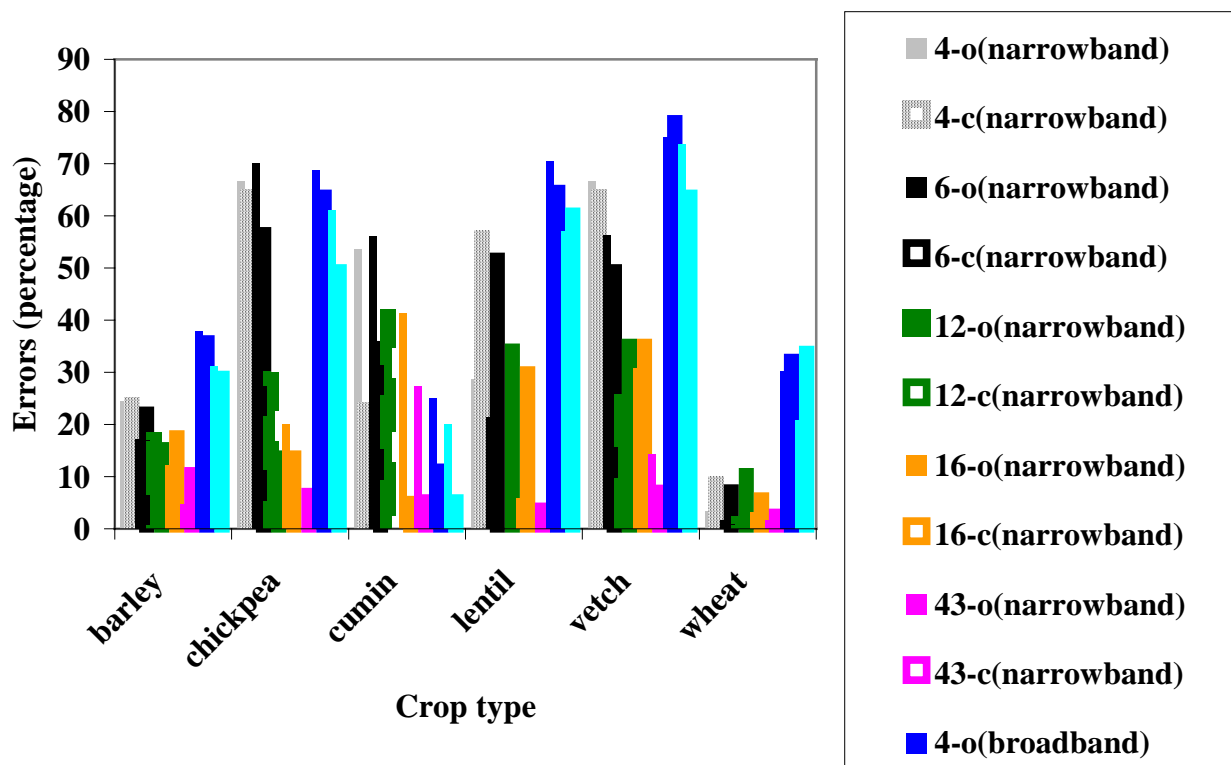


Figure 4d. Omission (o) and commission (c) errors.

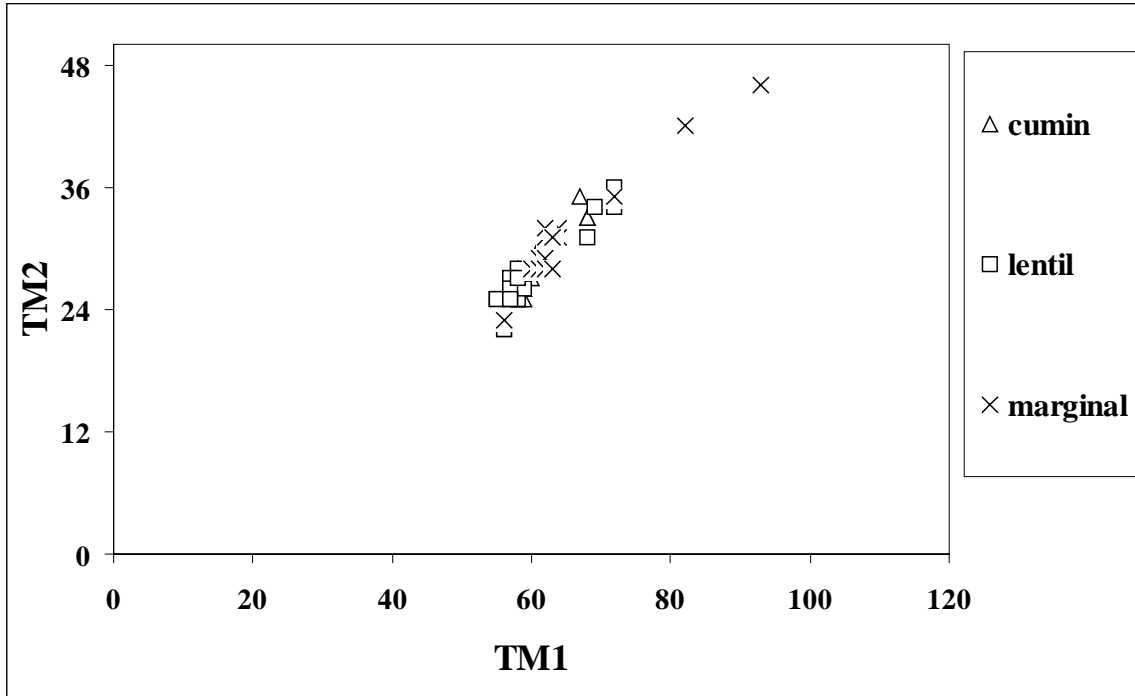


Figure 5a. Broadbands: Significant intermixing.

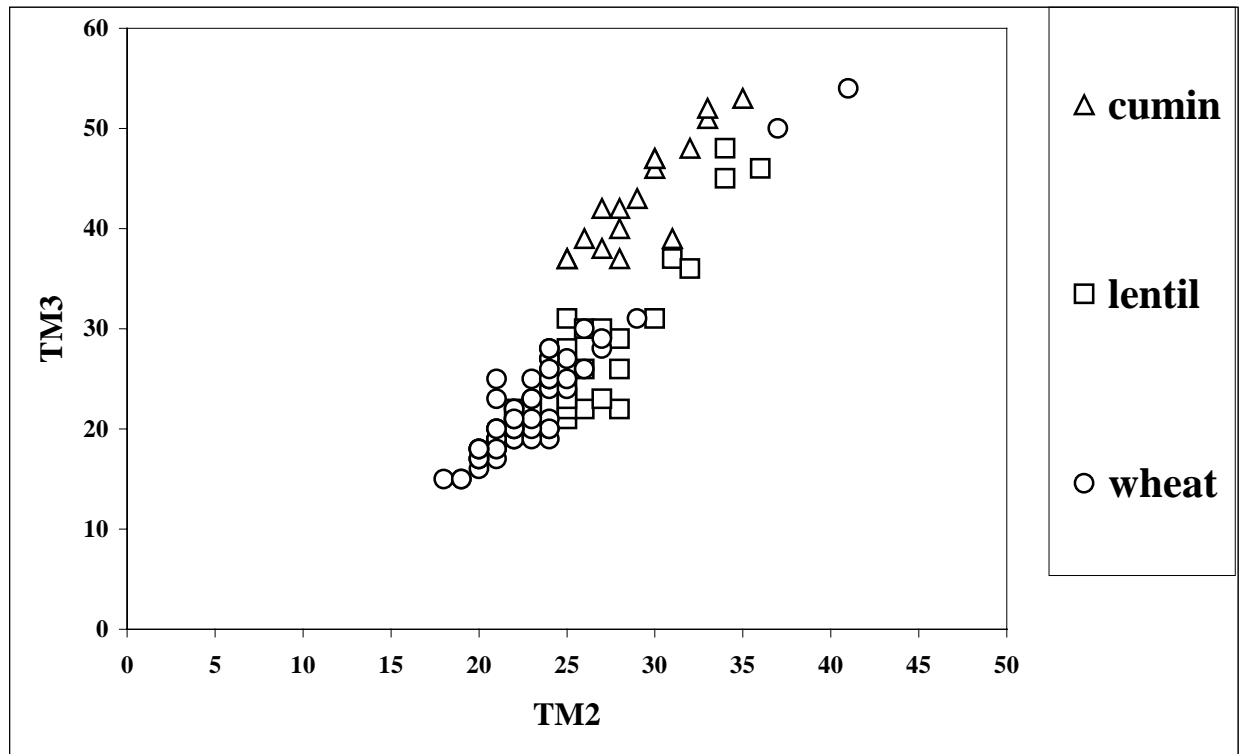


Figure 5b. Broadbands: Significant seperability.

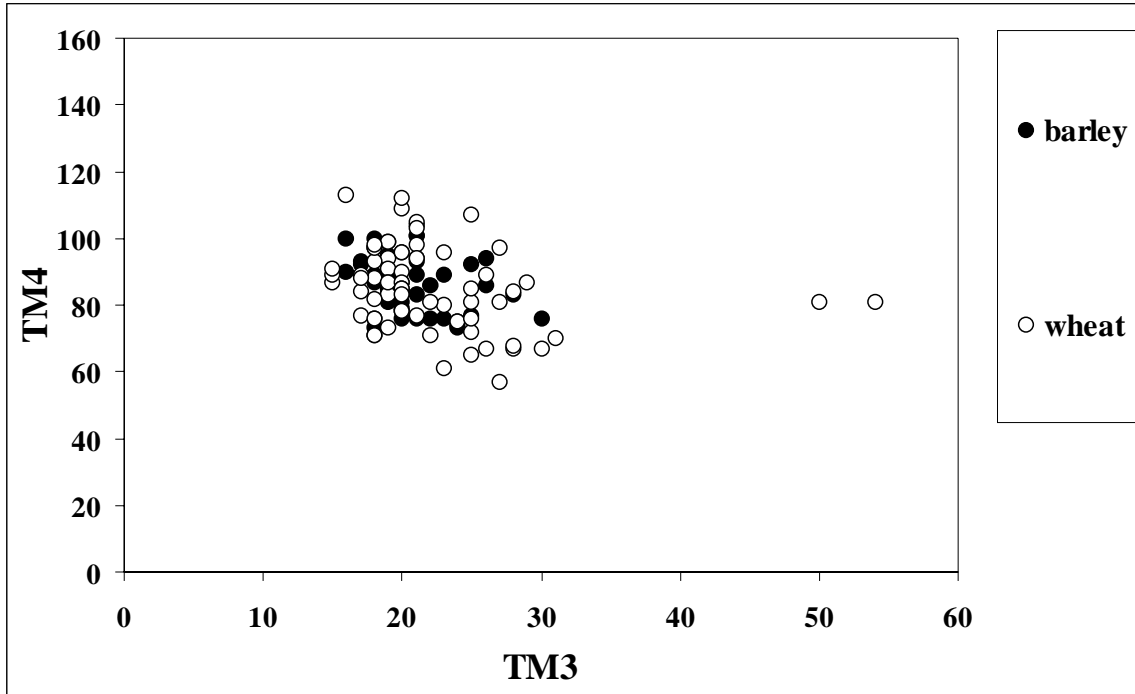


Figure 5c. Broadbands: Significant intermixing.

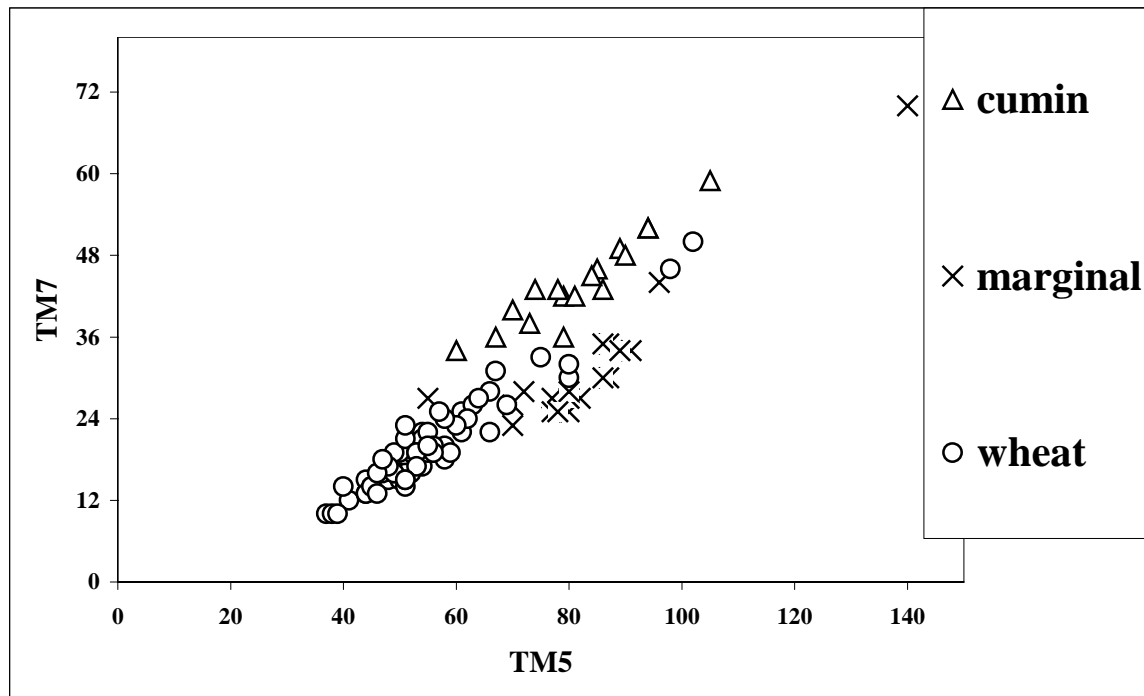


Figure 5d. Broadbands: Significant seperability.

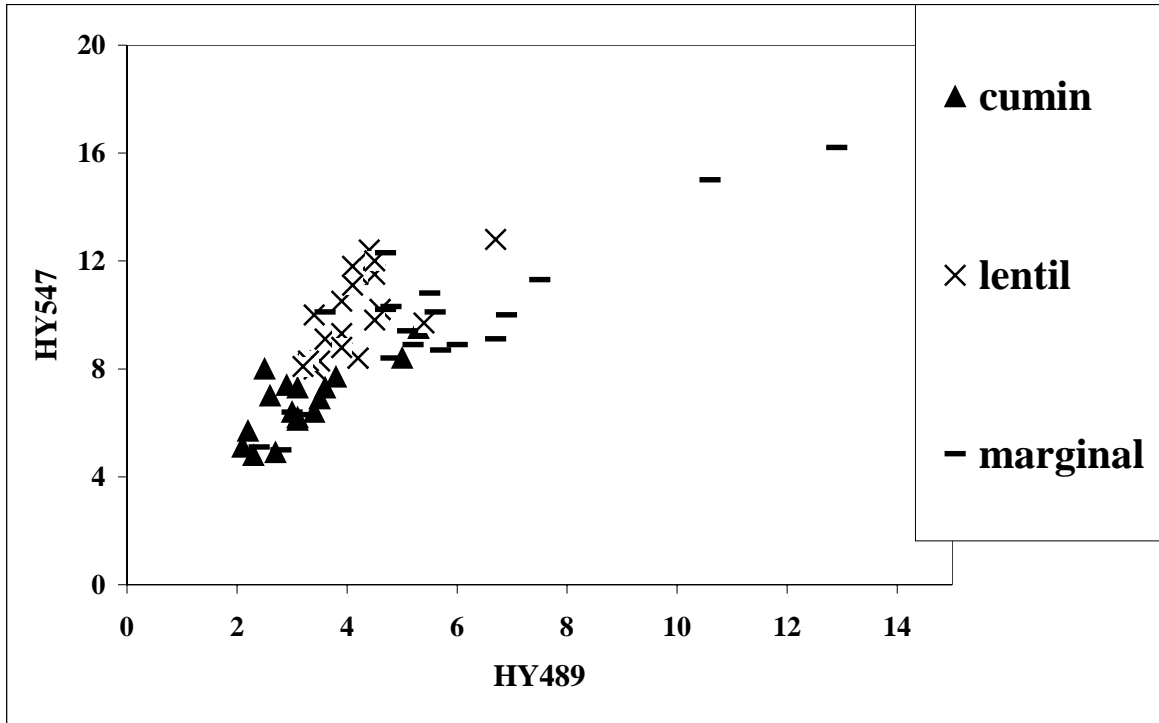


Figure 6a. Narrowbands: Center of green and narrow wavelength portion of blue.

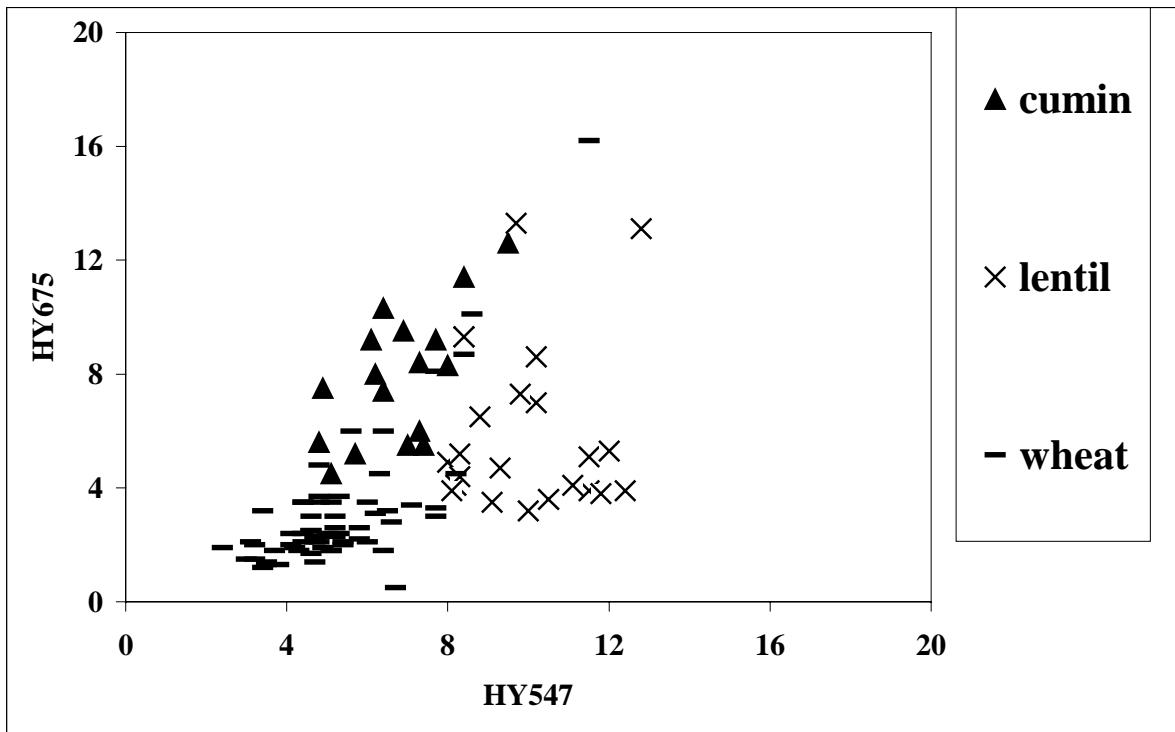


Figure 6b. Narrowbands: Longer wavelength portion of red and center of green.

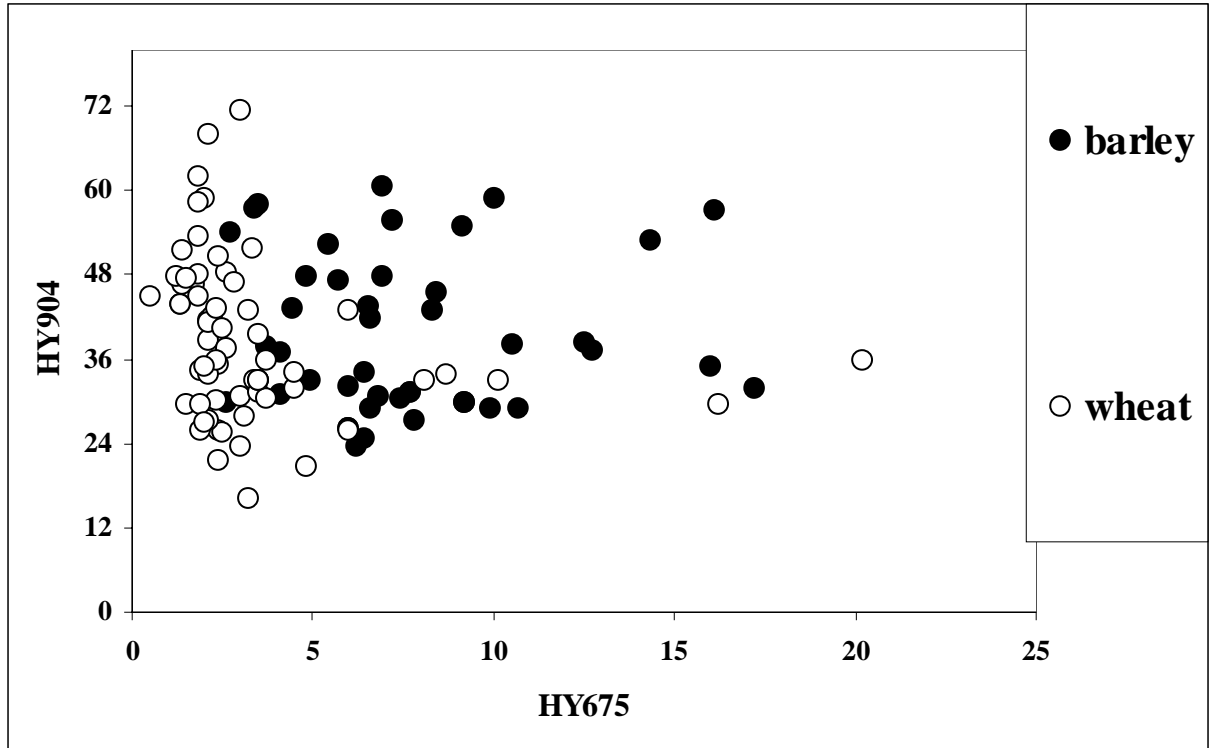


Figure 6c. Narrowbands: longer wavelength portion of NIR and red.

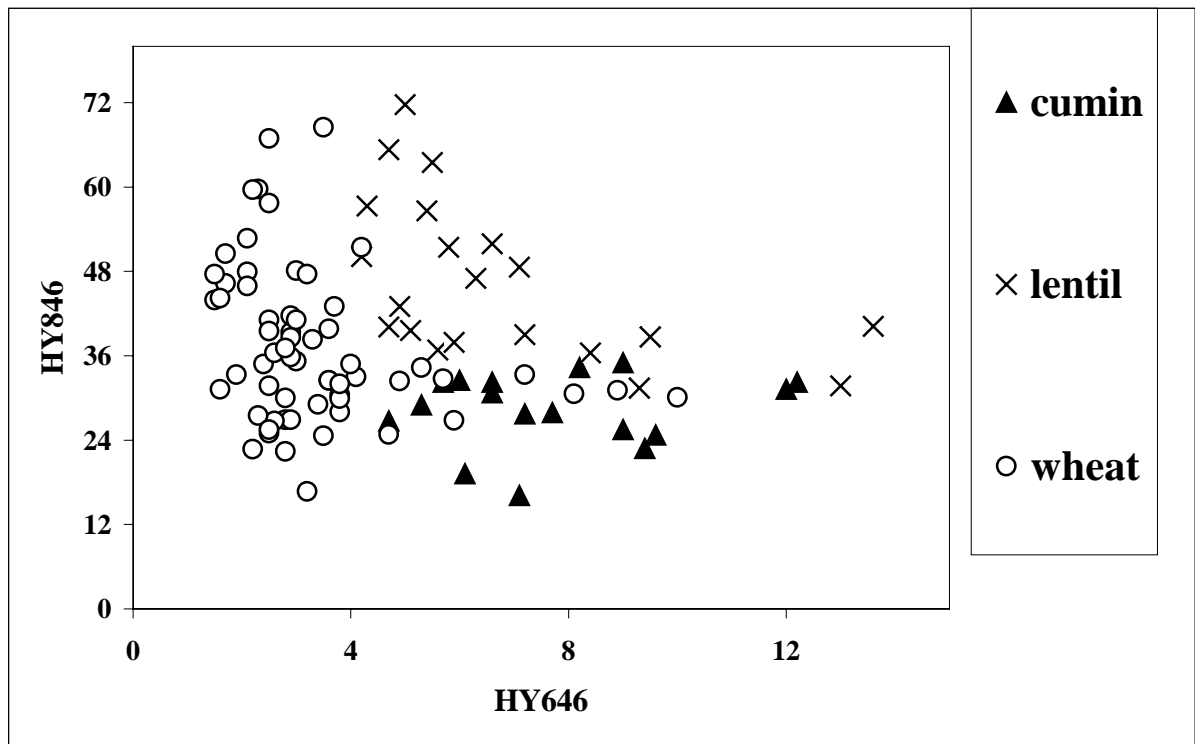


Figure 6d. Narrowbands: Center of NIR and center of red.

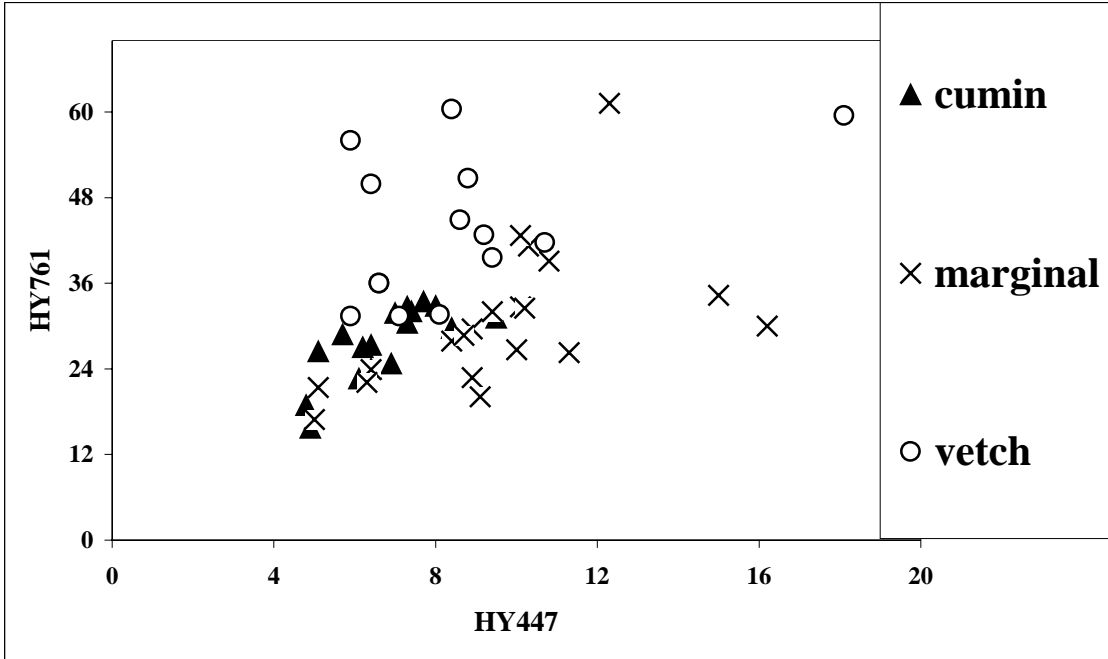


Figure 7a. Narrowbands: shorter wavelength portion of NIR and center of blue.

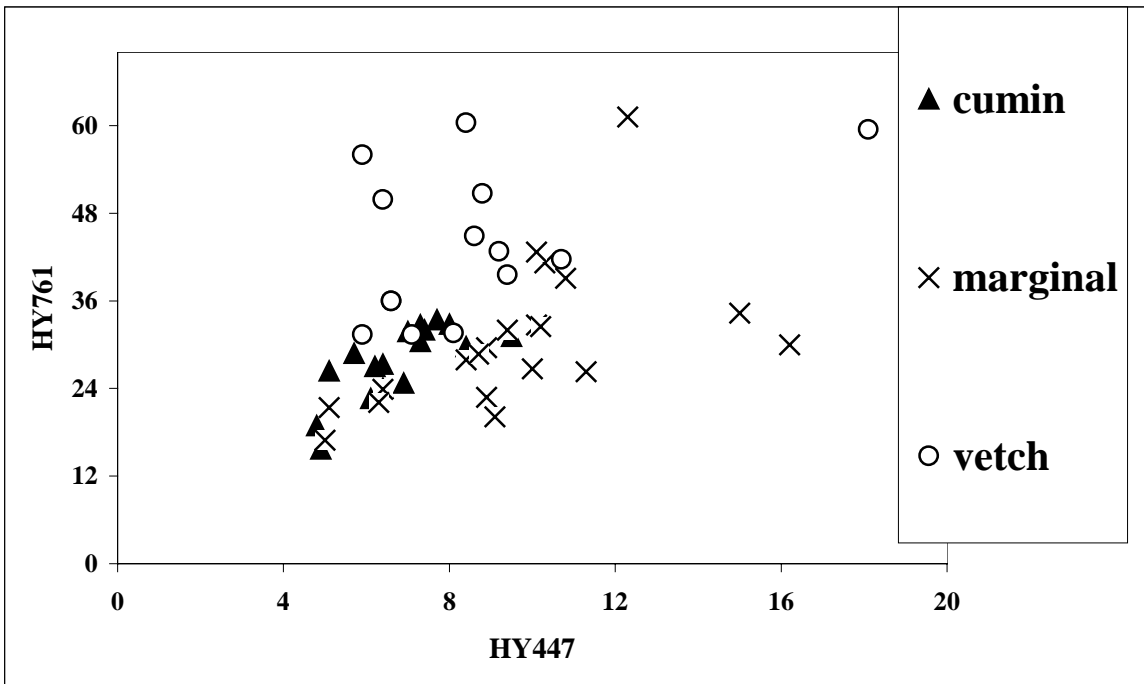


Figure 7b. Narrowbands: center of red and shorter wavelength portion of green.

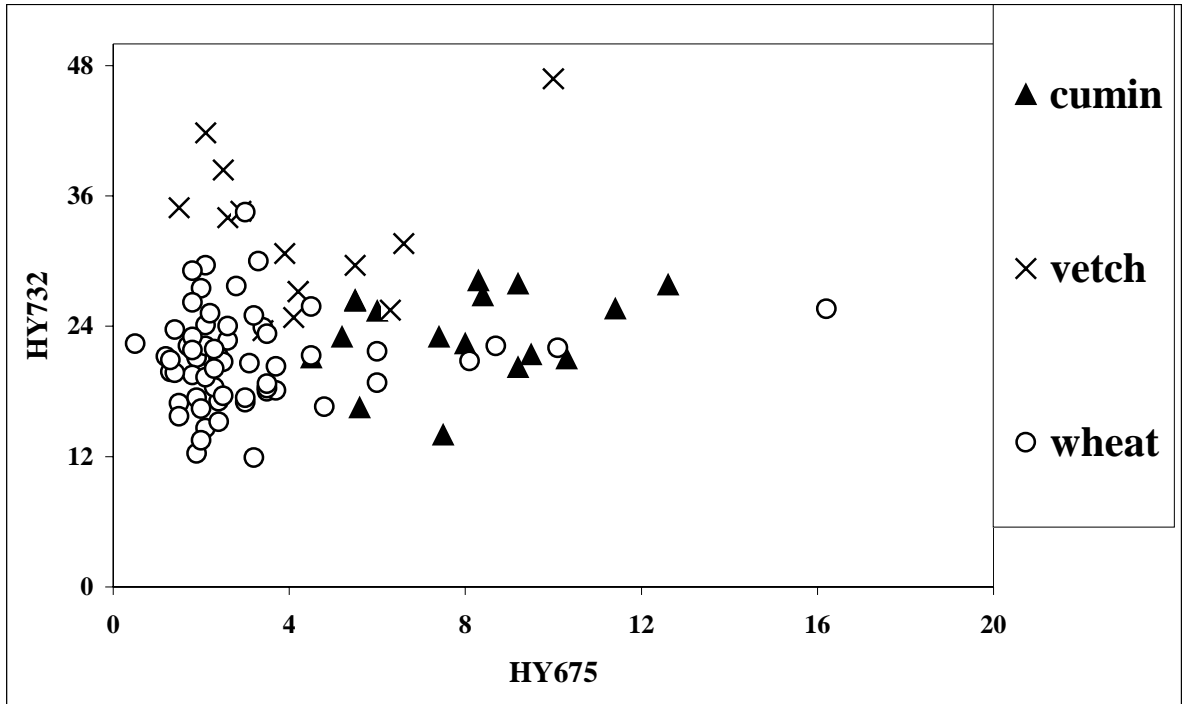


Figure 7c. Narrowbands: longer wavelength portion of both red and red-edge.

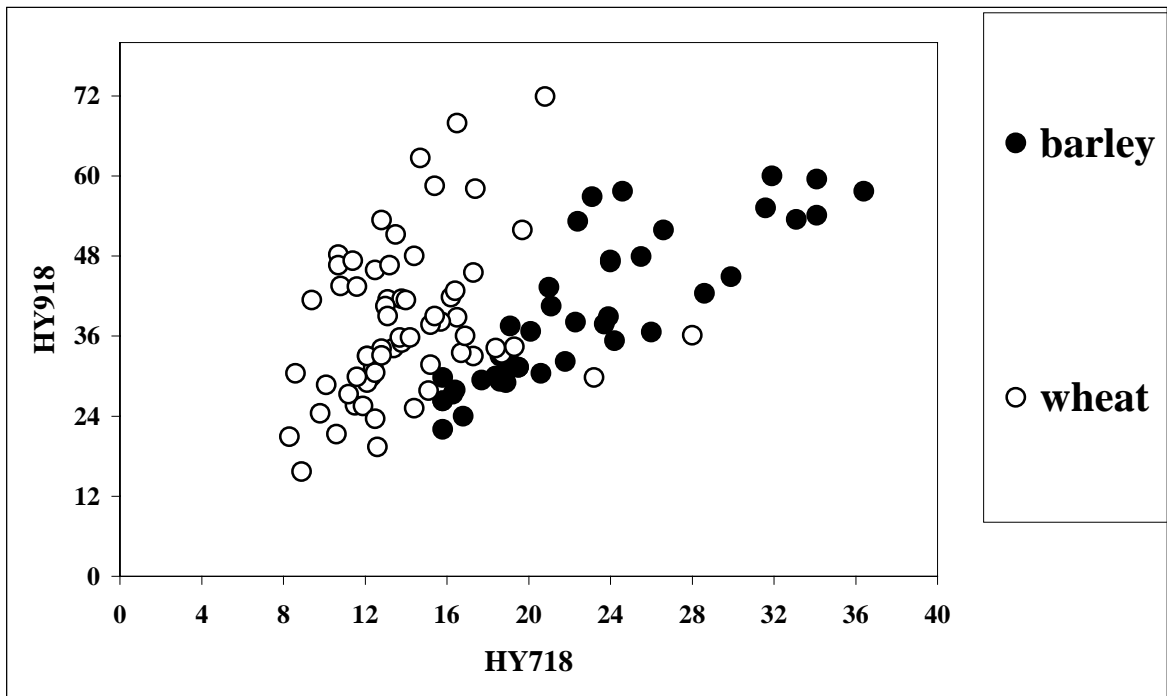


Figure 7d. Narrowbands: longer wavelength portion of NIR and center of red-edge.