

**NONDESTRUCTIVE GERMINABILITY ASSESSMENT OF RADISH
SEEDS BY NIR SPECTROSCOPY**

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NIR spectroscopy is widely used today as a quantitative technique for predicting the chemical composition of various agricultural products. However, there exist few applications for seed quality assessment, especially for seed germinability. This study is to show the possibilities of a nondestructive estimation of germinability in radish (*Raphanus sativus* L.) seeds. The experiment was carried out on one radish cultivar (Chung Su Gung Jung, Nong Woo Bio Co., Ltd.) harvested in 1993. NIR (Foss Co.) spectral measurements were carried out on the seeds surface of flat side. The seeds after spectral measurements were planted on blotter individually and observed germination. The seeds were characterized to nongermination and germination groups, which in turn were grouped to normal and abnormal germination and then compared with the NIR spectra. The spectra from these seed groups were compared with each other. The result suggested that NIR spectra could be applicable to determine radish seed germinability.