When quality of seeds means higher yields

Measure. Calibrate.
Predict. Control. (pass/fail).

Seeds are key to cultivation of for example tomatoes, cucumbers and bell peppers of high quality. Good quality seeds can lead to a 20 to 25 % in yield and therefor lower costs of production per quantity produced. In other words high quality seeds are beneficial to seed producers as well as farmers. For this reason it is of paramount importance to establish the seed quality. Seed quality refers to physical purity, physiological vigor, genetic potential and the health of the seeds.

Anadis in collaboration with Nirvention worked out a smart solution to routinely predict the quality of seeds. It is based on the spectroscopic technique NIR in combination with chemometrics software, triPAT® Quant. All activities are logged and traceable. Some leading companies use this tandem with success.

Specifications tandem NIR / triPAT Quant

Find out some of the unique benefits and features of the tandem NIR / triPAT Quant.

benefits
- improved quality of seeds
- higher price seeds possible
- improved satisfaction farmers (and other customers)
- intuitive user interface, training for operators not necessary
- can be easily adapted when production process changes or production lines added

features
- release (fail/pass) of seeds on the basis of set quality criteria
- push button calibration
- based on smart chemometrics
- supports NIR spectrophotometers of Brimrose, PerkinElmer, Avantes and Bruker