



Agriculture and Food Industry Alliance

Phenotyping



Many plant varieties, such as potatoes, wheat, rice, or cassava, have difficulty coping with changing climate conditions around the world.

In order to adequately deal with these changing conditions, **phenotyping** is used to analyze how plant varieties react to these environmental influences. Phenotyping is one way to identify plants that will produce adequate yields even in high temperatures.

However, visual inspection of plant varieties in the field is subjective and therefore inaccurate.

This is why we use three-dimensional, non-destructive **monitoring systems** to record the plants as completely, accurately, and, above all, undamaged as possible.

No two plant species are alike, and every measurement situation is unique.

“Off-the-shelf” solutions quickly reach their limits. Thanks to our technologies, inaccurate visual inspections in fields are a thing of the past.

With our non-destructive monitoring systems, we can analyze plants both **above and below ground**.

With the help of **computer tomography**, we are able to make scientifically valid assessments of which genotype is physiologically superior to another.



For further information, please follow the QR code.

