The modern agricultural sector is and will be characterised by significant changes in the push towards smart and rational agriculture and in this context the role of the agronomic specialist is and will be increasingly important. This figure is called to support the decision-making phases of planning the cultivation and harvesting activities, as well as those of maintaining and enriching the fertility of the soils.



TRANSFORMATION

APPLICABLE ON DIFFERENT TYPES OF AGRICULTURAL

Rationalisation of interventions

to support agricultural production

MACHINES

QU COI OF

QUALITY CONTROL OF CROPS

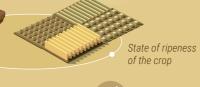
Targeted application of the

carbon through the correct

spreading of sewage and

organic amendments

supply of nitrogen and



Inhomogeneity of crop quality within the same plot

Definition of the support interventions necessary to guarantee a high and constant quality of agricultural products



Reduction of response times



Reduction of sampling operations, often complicated and variable



ANALYSIS

Polispec NIR can be used directly on land or crops, in the field or on the farm, reducing to almost eliminate the sampling procedures that often constitute a major source of error. In this way it is possible to obtain immediate, contextual and more precise data thanks also to the large quantity of measured product



MONITORING

Qualitative mapping

of cultivated areas

With Polispec NIR it is possible to constantly monitor the harvesting and the delivery, processing and storage phases to the advantage of constant control and total traceability of the productions



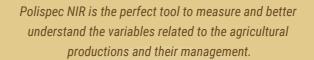
CONTINUOUS MONITORING

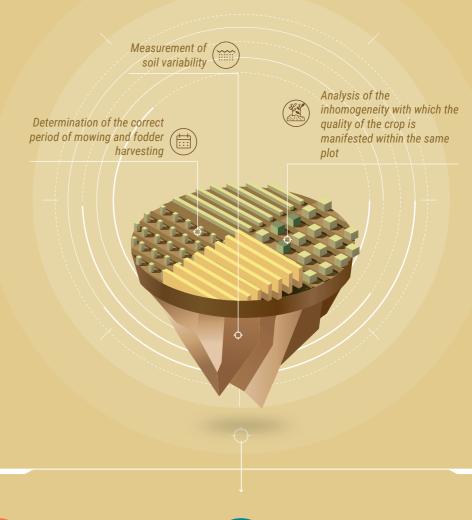
Segregation of the product from

the earliest stages of processing

MEASURE

Polispec NIR measures the nutritional values and humidity of products with great precision at all stages of production and processing. With Polispec NIR it is therefore easy to carry out measurements ranging from choosing the correct mowing period to mixing products with different characteristics in order to guarantee constant quality of the productions







MANAGING VARIABILITY TO REDUCE WASTE

Measuring and managing the variability of the soil means ensuring a constant value for productions, both nutritional and economic, which satisfies both the producer and the buyer



QUALITY IMPROVEMENT

Constant monitoring of the quality of the land, of the crops and of the harvesting and processing processes optimise both investments and results in order to obtain better quality products and more homogeneous batches



GREATER VALUE FOR SELLERS AND BUYERS

The optimisation of cultivation operations and the precise management of the harvesting and storage phases translate into guaranteeing the sustainability and traceability of the production while respecting the environment and economies. Being able to guarantee homogeneous and controlled processes and batches is therefore an indisputable advantage, both for sellers and buyers

itphotonics

