CropScan

OPTIMIZE YIELD IN THE FIELD

CropScan 3300H On Combine Grain Analyser

THE BENEFITS

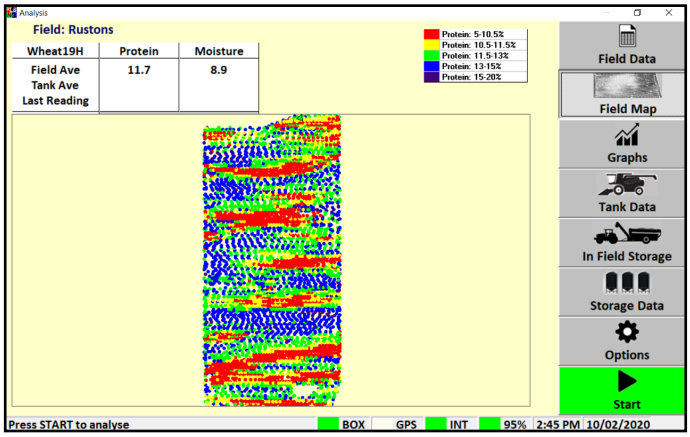
NITROGEN MANAGEMENT

GRAIN LOGISTICS

SUPERIOR MOISTURE

REAL TIME GRAIN QUALITY

The CropScan 3300H On Combine Analyser measures Protein, Oil, Starch and Moisture in grains and oil seeds every 5 to 12 seconds as they are harvested in the field. The CropScan 3300H includes a ruggedized NIR Analyser, a Remote Sampling Head and a Touch Screen Display. The system provides farmers with real time data for Protein, Oil, Starch and Moisture.



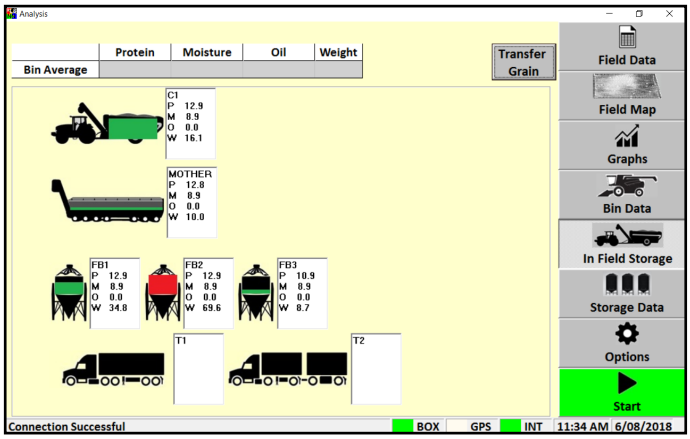
Benefits:

- Optimize Yield in the Field
- Nitrogen Management:

  Better Nitrogen fertilizer distribution.
- Grain Logistics Data:

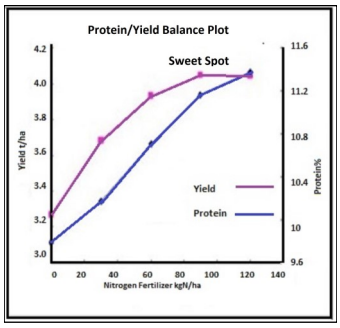
  Optimize crop payments with improved blending.
- Superior Moisture measurements:

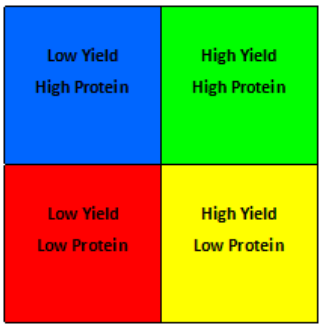
  Start harvesting earlier and finish later.



OPTIMIZE YIELD IN THE FIELD

Protein and Yield mapping provide a more complete picture of the Nitrogen Availability and Uptake in the field. Research shows that cereal crops with protein content less than 11.5% have not reached their full yield potential and that additional Nitrogen fertilization would provide a Positive Yield Response. The “Sweet Spot” is when the Protein and Yield are optimized.





The Harvest Report card:

Protein, Yield, Moisture and Protein/Yield Correlation Quadrant Maps act as a Harvest Report Card. Performance Zones are defined from the quantity and quality of the grain being stripped.

Managing Nitrogen Fertilizer Applications:

Reduce risk… Find the “Sweet Spot”

Balance Protein and Yield across the field.

Reduce Fertilizer Use… Reduce Cost…

Soil Productivity Testing:

Strategically identify zones for soil testing based on Protein/Yield Correlation Quadrant Maps.

VRF Equipment Investment:

Realise the full potential of your VFR equipment investment. Protein Maps ensure more accurate VRF prescriptions through higher resolution monitoring of the Nitrogen Uptake and Availability across the field.

TESTIMONIALS

Broden Holland– New South Wales

“20 years of Yield Maps… cool but what do I do with them. 2 years of Protein Maps and it all makes sense.”

Bradon Mott—Western Australia

“Very happy with the decision to put a protein meter in the combine. Makes blending a breeze, not to mention the extra data for variable rate.”

Steve Larocque—Alberta Canada

“The ability to map protein and combine it with yield mapping is where the magic happens. This technology would make it that much easier to blend grain when you know what you have.”

Jess Woods—Montana USA

“The CropScan did its thing. I didn’t have to baby it or monitor it. This is the next layer to manage our fields.”

Steve Arnold– Kansas USA

Hauled 8 semi loads of wheat today. We thought we would average 11.8% protein off the

Technical Specifications

Crop Types	Wheat, Barley, Canola, Corn, Soybeans, Sorghum, Chick Peas and Lentils. Other grain types available on request.
Parameters	Moisture, Protein, Oil, Starch and Fibre
Cycle time @ 2t/ha	5-8 Seconds per Sub Sample
Sample size	400ml
Power requirements	12VDC
Analysis principle	Near Infrared Transmission, Diode Array Optical System
Wavelength range	720-1100 nm
Calibration	PLS (Partial Least Squares)
Shipping Size (W x D x H)	255 X 250 X 120mm
Weight	22kg or 48.5lbs
Display	10.4” Touch Screen, WOS, USB, WIFI and Bluetooth
Combine Harvester Types	John Deere, CaseIH, New Holland, Claas and AGCO
GPS Receiver	Not Supplied—cable harness supports manufacture’s receiver
Cloud Service	API to CropScanAg Cloud
Installation Time	6-8 hrs

Components

Touch Screen Tablet

Sampling Head

NIT Spectrometer

Manufactured by:
Next Instruments Pty Ltd
B1 366 Edgar Street, Condell Park, NSW, 2200, Australia
Tel: +612 9771 5444, Fax: +612 9771 5255
Email: sales@nextinstruments.net, Web: www.nextinstruments.net