IM 8800







Background

- Need for a portable, battery driven moisture & protein analyser
- Heavy investments in R&D, spectrometer design and tooling
- Field trial in Australia and South Africa Nov Feb (2013-14)
- Successful launch in May 2014
 - More than 250 units sold this first year
 - More than 15 regions/countries
 - Farmers, Grain Traders, Inspectors, ...



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"It's a game changer!"

"It's a game changer!"

"...performs surprisingly well!"

"...too successful!!"
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Small grain traders

- Bring the IM 8800 to the field
- Inspector can decide& sign contract on-site
- Better planning for receiving grain

Industrial farms

- > 2000 ton Wheat, Barley, Canola
- Storage on-farm
- Manage delivery contracts, Wheat & Barley grades & premiums
- Fertilizer decisions based on Protein mapping







Protein mapping/Precision farming

Variability in Protein Content of Wheat Within a Year

Source of Variation

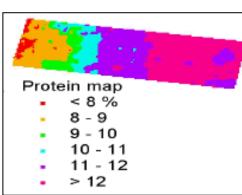
Range in Protein Content

Rows within one apparently uniform field	6 %
Farms delivering to one elevator point	5 %
Farms within a province (of Canada)	8 %











On Farm storage

- Enables farmers to segregate and store the grain on farm
- Contracted farmers "call in" measured quality to Grain trader
- Grain Traders call upon the farmers, knowing the quality and can prepare for the known qualities
- Drop shipment directly to customers of the Grain Traders reduces the need for storage at the Grain Trading station









IM 8800 Specification

Weight: 7 kg

Start-up time: 15 sec

Measurement time: From 90 sec

Technology: Silicon Diode Array

Calibration alignment/transfer: IM 9500 (Approved in US, France, Germany, etc)

Wavelength range: 850-1050 nm

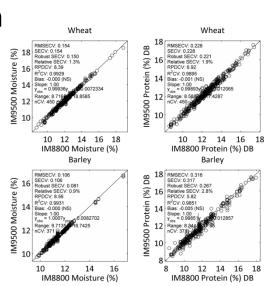
Battery operation: 2 hrs

GPS, protein mapping: Yes

Carry case/bag: Yes

Wheat protein SEP: < 0,2

Barley protein SEP: < 0,3





Calibrations/Products

Available now

- Wheat, Durum Wheat (Moisture, Protein, Wet Gluten)
- Barley, Malt Barley (Moisture, Protein)
- Sorghum (Moisture, Protein)
- Canola/Rape seed (Moisture, Protein, Oil)
- Corn (Moisture, Protein, Oil)
- Soy beans (Moisture, Protein, Oil)
- Lentils (Moisture)
- Lupins (Moisture)
- Chick peas (Moisture)



In progress

- Rice
- Beans
- Oats
- and more...



Any questions? Welcome to our booth G13-14



Analysis with Value