



TRY-BEFORE-YOU-APPLY

For Fertilizers, Biologicals, Conditioners & More



US Patent 8,763,478

US Patent 9,709,471

Patent Pending's

*Please refer to UNIBEST's Data Liability Statement for all conditions

THE SOLUTION:

TRY-BEFORE-YOU-APPLY

With So Many Products Available In The Market, How Can You Quickly Evaluate Their Potential In The Soils You Manage?

- Fertilizers
- Biologicals
- Inoculants
- Conditioners & More



Platform screens current and new products on your soil in the laboratory before applying to the entire field

- Quantify nutrient availability after products have interacted with your soil(s)
- Evaluate site-specific performance in days or weeks, not months or years
- Save time, money & truly maximize ROI
- Reduces risks of wrong products, application rates and/or timings
- De-risk the initial investment of evaluating new products & rates

THE CORE TECHNOLOGY

UNIBEST Ion-Exchange Resin Capsule



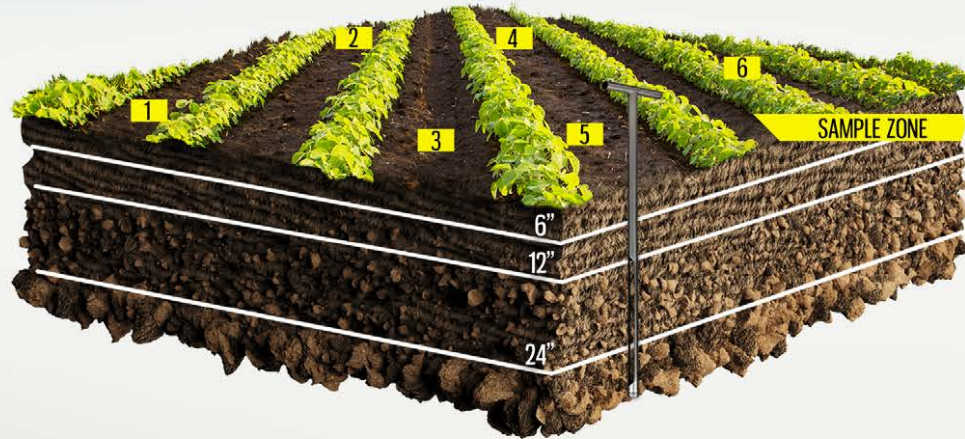
UNIBEST's patented Ion-Exchange Resin Technology is the core component providing this disruptive product performance information. These Ion-Exchange Resin Capsules (IERC's) only adsorb nutrients from the soil if the nutrients are in forms and amounts available for root uptake. Unavailable nutrient forms are not detected.

Unlike traditional testing methods that change the physical and chemical characteristics of the soil by drying and grinding, UNIBEST uses field-moist soils to inform you on exactly what nutrients are being made available to your crop.

Quantifying product application responses once they have interacted with soils has never been possible and this easy!

How It Works

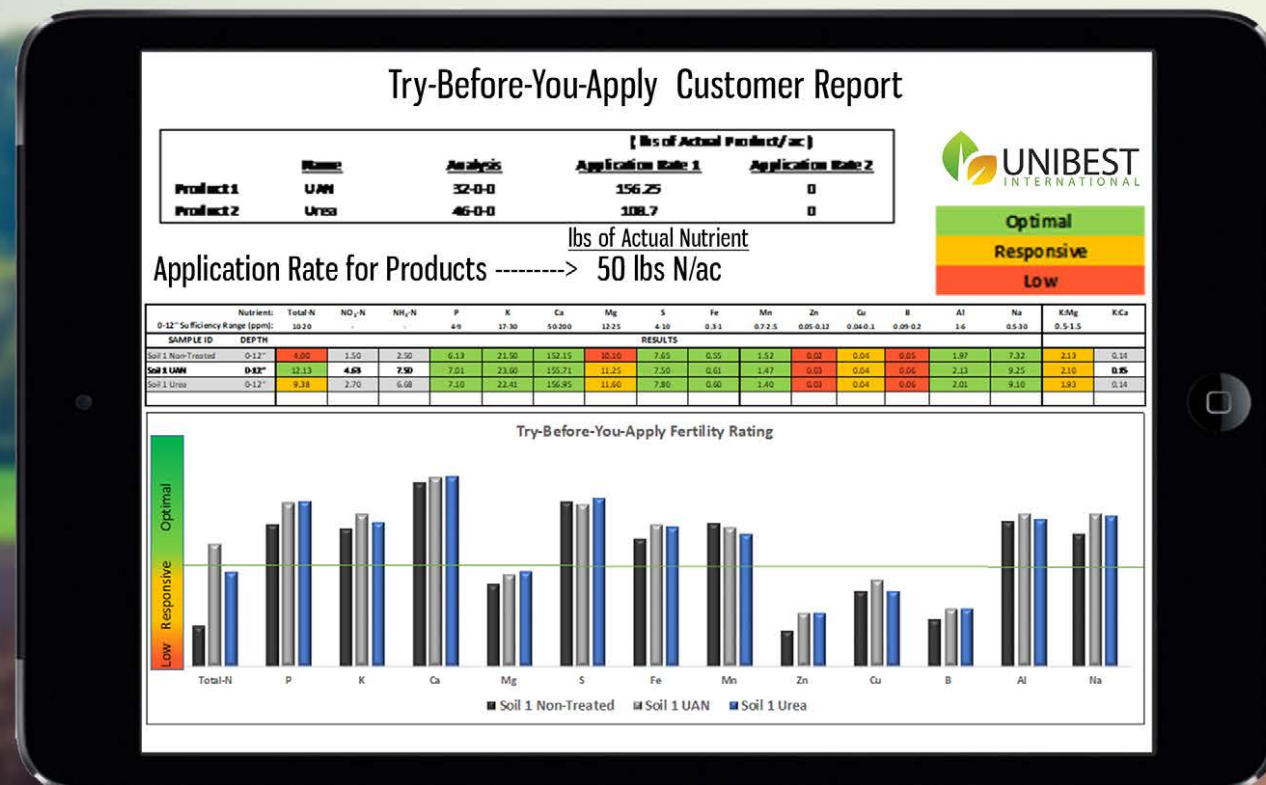
Step 1. - Soil From Your Field or Zones



Step 2. - UNIBEST Applies Your Products & Rates



Step 3. - Report Results for Available Nutrients



14 Nutrients:
 NO₃-N,
 NH₄-N,
 P, K, S,
 Ca, Mg,
 Fe, Mn,
 Zn, Cu,
 B & Na

Step 4. - Make Critical Fertility Decisions

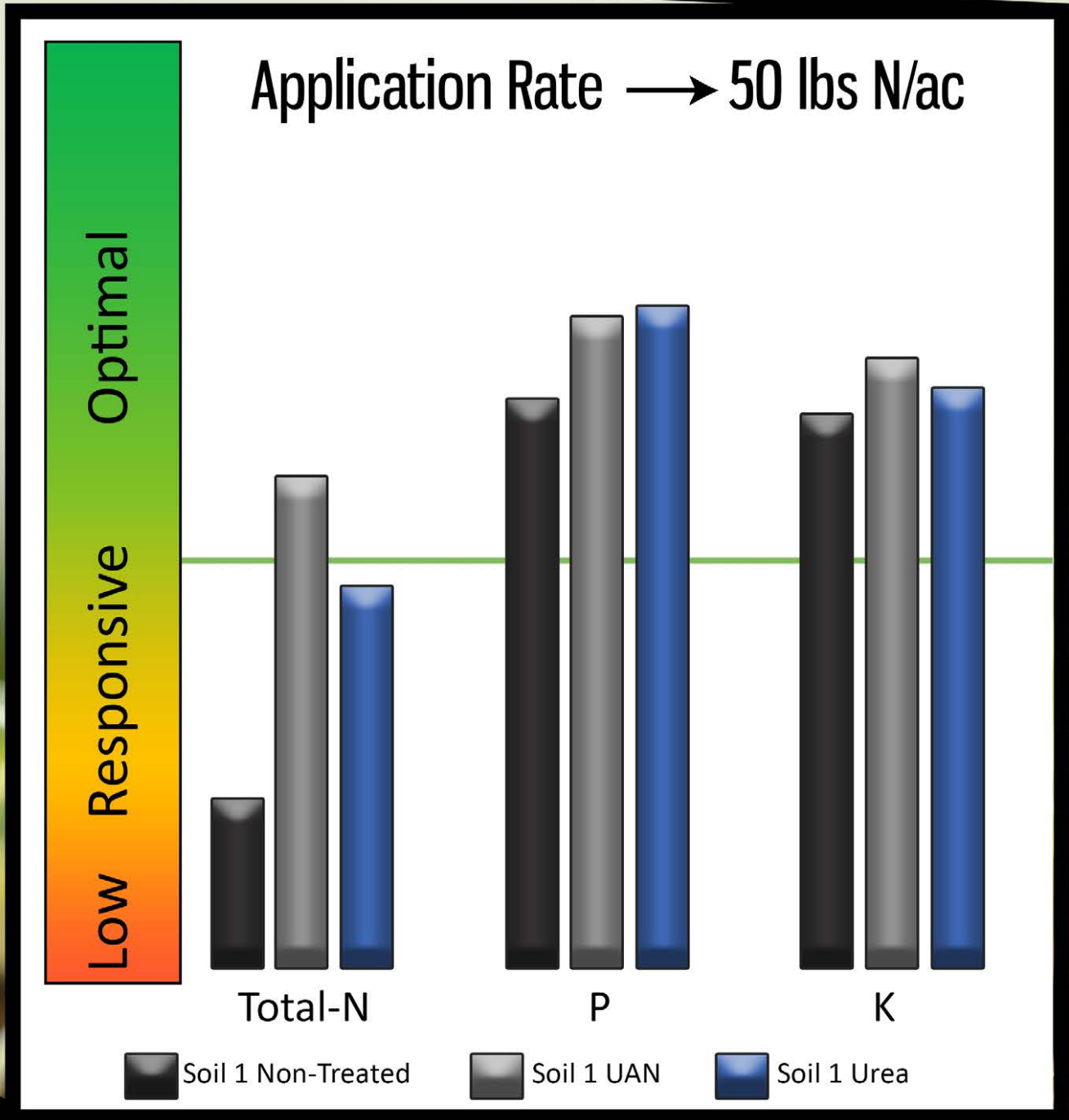
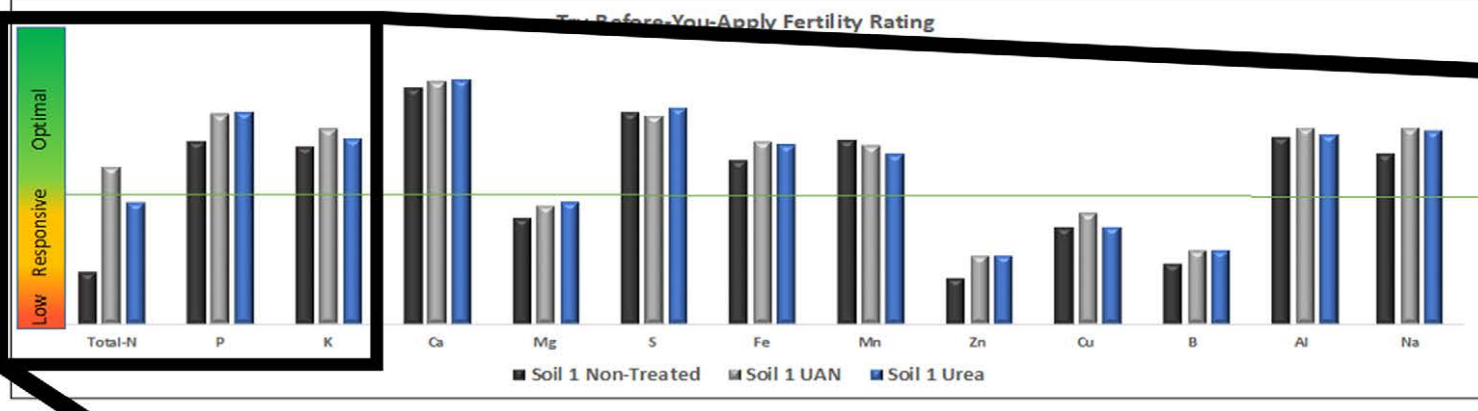


CUSTOMER REPORT

Optimal
Responsive
Low

Nutrient:		Total-N	NO ₂ -N	NH ₄ -N	P	K	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Al	Na	K:Mg	K:Ca	
0-12" Sufficiency Range (ppm):		10-20	-	-	4-9	17-30	50-200	12-25	4-10	0.3-1	0.7-2.5	0.05-0.12	0.04-0.1	0.09-0.2	1-6	0.5-30	0.5-1.5		
SAMPLE ID	DEPTH	RESULTS																	
Soil 1 Non-Treated	0-12"	4.00	1.50	2.50	6.13	21.90	152.15	20.10	7.65	0.55	1.52	0.02	0.04	0.05	1.97	7.32	2.13	0.14	
Soil 1 UAN	0-12"	12.13	4.63	7.90	7.01	23.60	155.71	11.25	7.50	0.61	1.47	0.03	0.04	0.06	2.13	9.25	2.10	0.35	
Soil 1 Urea	0-12"	9.38	2.70	6.68	7.10	22.41	156.95	11.60	7.80	0.60	1.40	0.03	0.04	0.06	2.01	9.10	1.93	0.14	

Clear Data Representation That Provides Actionable Results!



Provides:

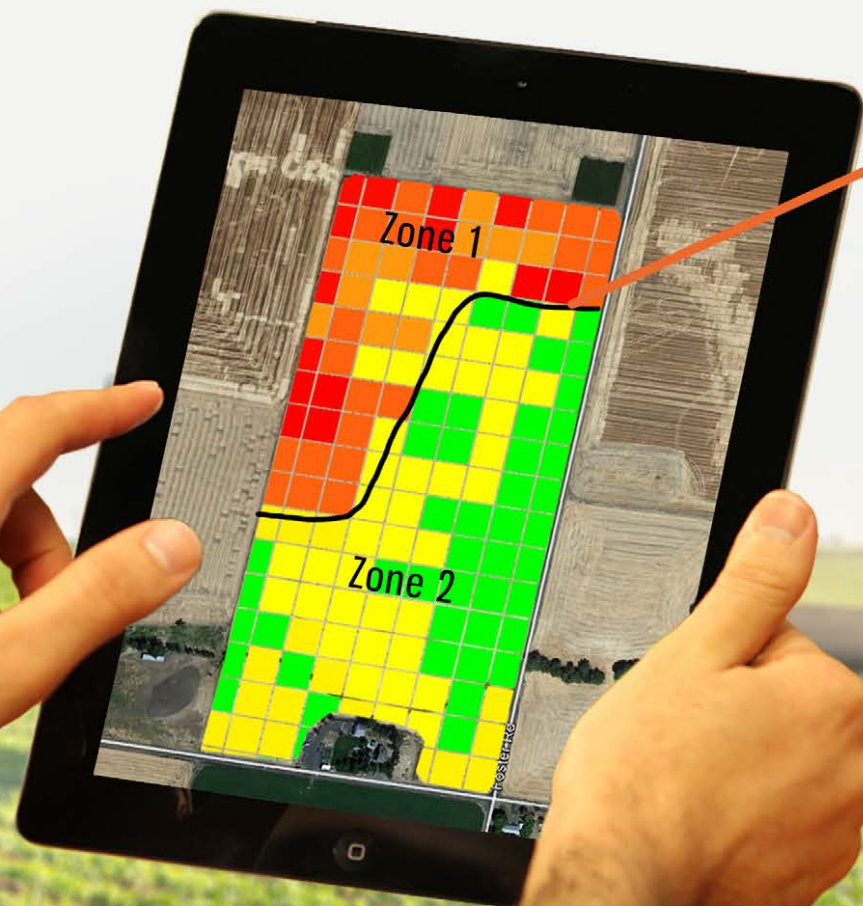
- Complete Suite of 14 Nutrients
- Product Name(s) & Analysis
- Application Rate(s)
- Soil Name(s)
- Application Response Data
- 3 Replications per Treatment

Maximize The Value

- Quick and inexpensive look for BEST-FIT products and recipes
- Evaluation of current and new products/recipes you are using or considering
- A tool for Agronomist & Certified Crop Advisors to properly position products by soil type response for their growers & specific geographical regions
- Aligns with and precisely guides the 4 R's (right products, right rates, right time, right location)
- Reminder: Tests can involve biologicals, inoculants, soil conditioners, amendments and/or fertilizers
- Product/Recipe and Operational Decisions:
 - Test in the laboratory before incurring risk and expense in the field.
 - Precision data to feed precision Ag and variable rate applications (product response and rate adjustments by field & zone)

Case Example

2 Soils (Zones 1&2)
2 Products/Recipes
1 Rate

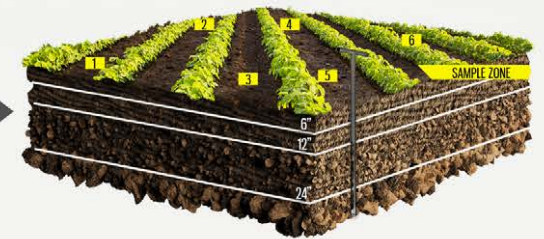


Get Started with Try-Before-You-Apply

Acquire Try-Before-You-Apply Kit →



Supply Soil From Field/Zone(s) →



Supply Products & Rates →

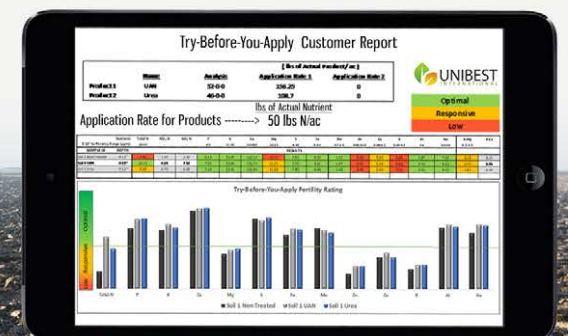


Ship to The Lab →



Results In 7-10 Days*

Some customized studies may require longer turnaround times →





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