Matrix Sciences Overview of Services





STRATEGIC ACQUISITIONS TO DATE





NINETEEN LOCATIONS AND GROWING

United States

CALIFORNIA

Los Angeles

DELAWARE

Milford

ILLINOIS

Chicago

Mount Prospect

INDIANA

Merrillville

MASSACHUSETTS

Canton

MICHIGAN

Оню

Columbus

OREGON

Umatilla **Portland**

PENNSYLVANIA

Philadelphia

SOUTH DAKOTA

Brookings

WASHINGTON

Othello

Pasco

Green Bay

WISCONSIN **Battle Creek** Detroit Clinton Township

Canada

ONTARIO

Toronto



COMMON DENOMINATORS OF BUSINESS UNITS



Businesses were owned and managed by scientists with a focus on solving problems.



Their clients felt a difference doing business with them.



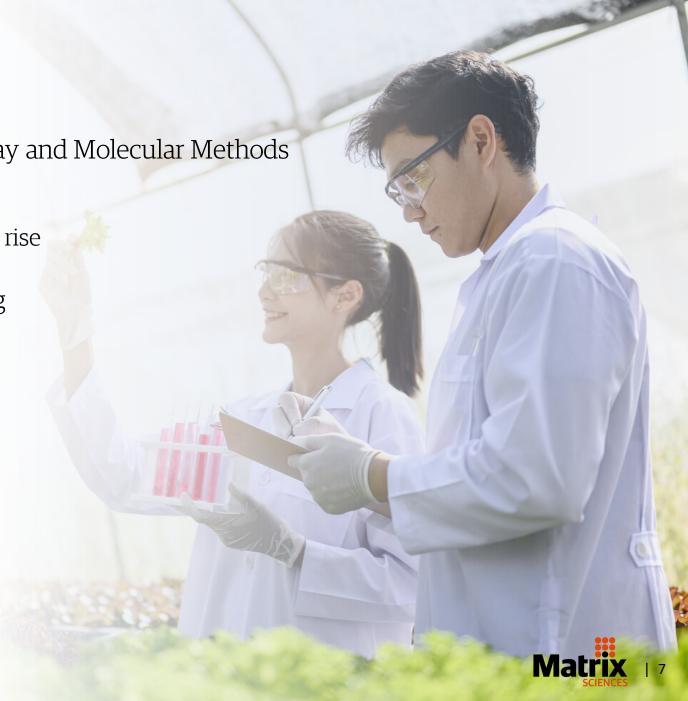
All have a successful business track record of 10 plus years in their respective businesses.



MICROBIOLOGICAL TESTING FOR CEA

Human Pathogen Testing Using Immunoassay and Molecular Methods

- Environmental Monitoring
- Periodic Product Testing
- Seed, soil and soil-less media testing is on the rise
- Indicator Organism and Enumeration Testing
- Microbial Confirmations and Identifications
- Online Access and Analytics of Data



ANALYTICAL CHEMISTRY FOR CEA

- Nutrition Labeling
- Contaminant Monitoring
 - Heavy Metals
 - Pesticides
- Claim Verification
 - Specific nutritional claims vitamins, minerals
 - Pesticide-free claims
- Agricultural Testing



RESEARCH STUDIES FOR CEA

- Process Validation Studies
 - Treatment of seeds



CONSUMER AND SENSORY RESEARCH FOR CEA

- Consumer Testing, Small and Large Scale
 - Central Location Testing (CLTs)
 - Home Usage Testing (HUTs)
 - Qualitative Research
- Sensory Research
 - Descriptive Analysis
 - Discrimination/Difference Testing
- Product Shelf-Life Testing
- Sensory Counseling
- Sensory Training and In-Plant Sensory Programs
- New product (variety) selection
- Existing product consistency lot to lot
- Comparison to competing products





AGSCIENCES SERVICES FOR CEA

- Source Water Analysis
- Nutrient Solutions Analysis
- Soil-less Media Analysis
- Plant Tissue Analysis

Pesticides | Herbicides | Fungicides

Even though they are not used in the CEA sector, more and more retailers are asking for verification testing

- Wide range of commodities in the marketplace validated
 - Legally Defensive LOQ's
 - Specialized laboratory facilities
 - Screening of latest compounds



SCIENCES REVIEW FOR CEA

- Source Water Analysis
 - Suitability & baseline levels
- Nutrient Solution Analysis
 - Monitor formulations
- Soil-less Media Analysis
 - Evaluate nutrient levels
- Plant Tissue Analysis
 - Monitor plant growth performance
- Microbiology
 - Monitor water, environment, & products
- Pesticide Analysis
 - Support label claims

- Consumer/Sensory Research
 - Identify consumer preference for specific varieties that can now be offered by CEA
 - Support new product launches
- Risk Management
 - EMP development
 - FDA & USDA regulatory compliance solutions
 - Food safety & quality risk assessments
 - Supplier risk assessments & audits
 - Process validations
 - Product Testing program design & modeling
 - Recall/Incident Management & Response
- Member CEA Food Safety Coalition
 - Standards Working Group
- Member United Fresh

Thank you for your time. Questions?

BECAUSE CONFIDENCE MATTERS Expertise Integrity

