Agile Innovation: Reformulation Strategies to Outmaneuver Supply Chain Disruption

Joseph Springer, PhD, Threshold Kevin McHugh, MegaFood Leah Johnston, TraceGains



Helpful Tips



Tech Issues

First try
refreshing your
browser! If issues
persist, send us a
private chat.



Q&A

Type questions into the Q&A tab and we'll address them after the presentations.



On-Demand

Everything is being recorded and will be accessible for 90 days post event.



Feedback

Your opinion matters. Don't forget to take our survey at the end of the session!

Meet Your Moderator



Leah Johnston

Director, Dietary Supplements National Sales





Today's Supply Chain





Winning R&D Strategies



Centralized Collaboration



NPD Best practices



Meet Your Speakers



Joey Springer, PhD

Director, Product Development & Technical Services



Kevin McHugh

Director, Quality





Agile Innovation:

Product Reformulation Strategies to Outmaneuver Supply Chain Disruption

A little about who we are:

With 45 years of experience, Threshold Enterprises is an honored recipient of awards for the quality of our products, outstanding customer service, educational—based marketing, great deals and a successful history of industry advocacy.

We share a vision to support each individual's potential to enjoy optimal health and well being by providing a wide variety of the highest quality dietary supplements and nutritional education.

We do this in part with...









Agile Innovation:

Product Reformulation Strategies to Outmaneuver Supply Chain Disruption

800 Raw Materials

300 Packaging Components

1000 Bulk Products

3000 Finished Goods

Change has been our only constant.





An Ever-Changing Formulation Fabric

Active Ingredients Common Excipients Capsule Shells CoMan Partners How to achieve a stable output when all the inputs are changing?







An Ever-Changing Formulation Fabric

Major Goals for Managing Reformulations
Maintain Formulation Quality Control Costs

Get in/Stay in Stock





REFORMULATION & DEVELOPMENT







































Alternative Forms Alternative Sources















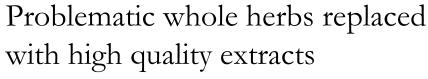


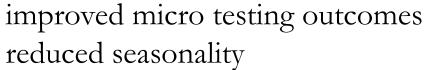




Formula Improvement Strategies

Streamline Formulas





Process development – getting it right Anywhere, Every Time











Sourcing Improvement Strategies

"Overbuy" with Intention

Secondary Suppliers



Geographic Diversification



GATHER and SUPPLIER MANAGEMENT





Sourcing Review Board















Scaling Up Best Sourcing Strategies and Tactics



- Find Suppliers
- Connect
- Qualify Supplier
- Qualify Item





September 2021: 42% of Raw Materials (337 items) Required Imminent Sourcing Needs September 2022: 6% of Raw Materials (50 items) Require Imminent Sourcing Needs

DONE WITH LESS RESOURCES!









Executing the Plan - Reformulations



Agile Decision-Making Followed by Structured Implementation

Robust Request Queue and Reporting System
Talented Cross-functional Team Driving Change Management
Cascade of Changes

Specifications

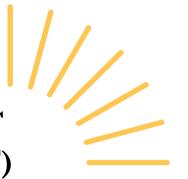
Master Manufacturing Records

Labels

Research-based marketing collateral

FACILITATED BY:
SUPPLIER MANAGEMENT and
SPECIFICATION MANAGEMENT
(FORMULATION MANAGEMENT)



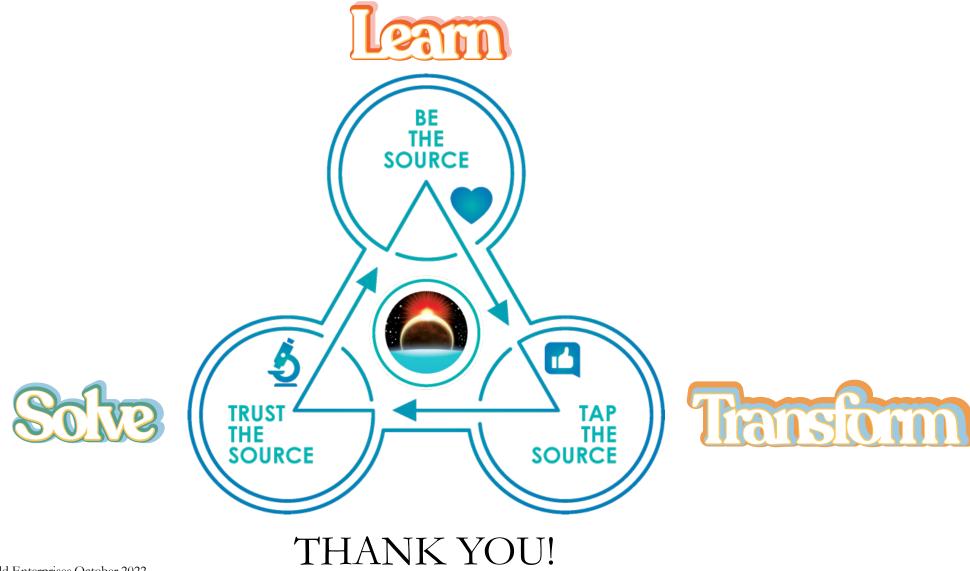






Connect to the Source





Megatood®

TraceGains Journey

October 2022



MegaTood















Supplier Documentation!













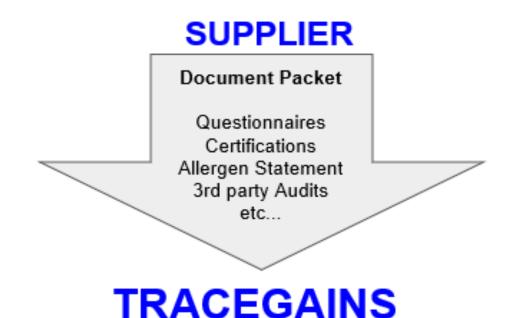


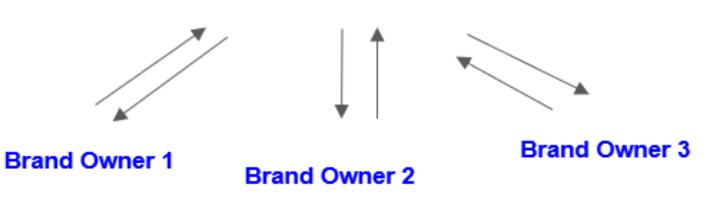






Supplier Module Simplicity of Concept

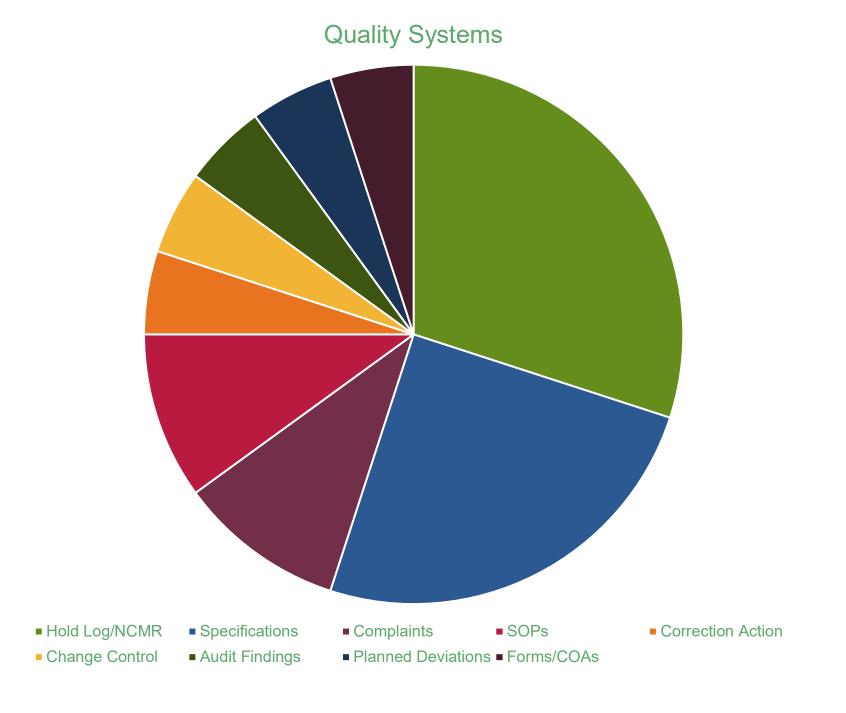






Supplier Module Implemented Q1 2022

Critical Tool enabling supply changes as needed to navigate Covid



Quality Module 2021

Quality Module

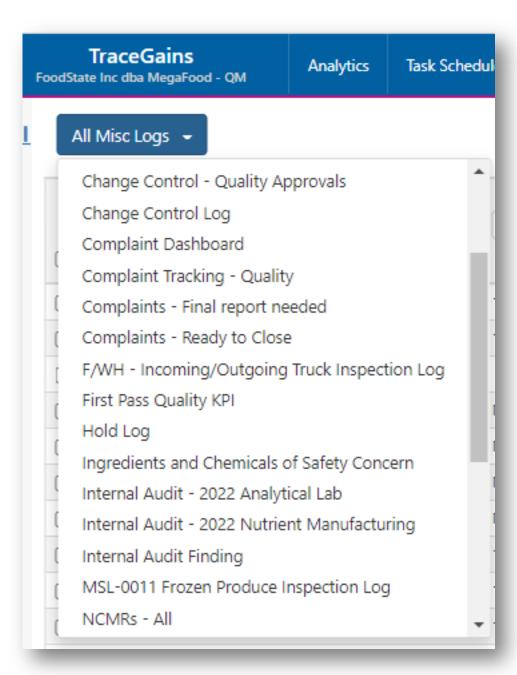
- Within 30 days, using for refreshed corrective action program
- Flood gates opened for many applications



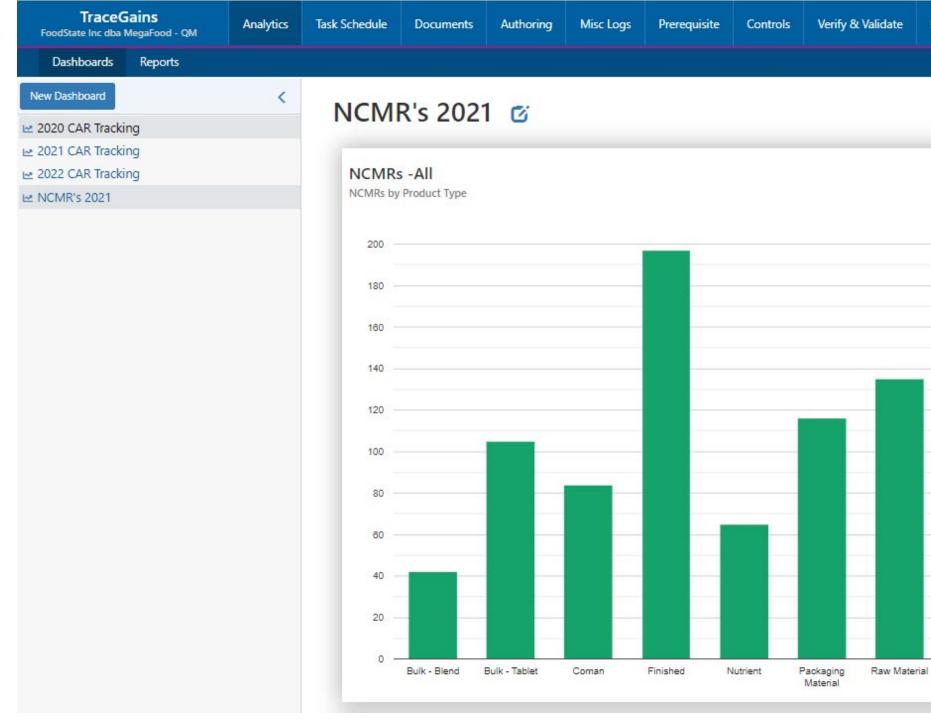
TraceGains FoodState Inc dba MegaFood - QM Analyti	cs Task Schedule	Documents	Authoring	Misc Logs	Prerequisite	Controls	Verify & Validate	Preship & Signoff	Training	CARs	
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TraceGains Analytics FoodState Inc dba MegaFood - QM All Documents -Show Archived Analytical QMS Dashboard Co-Manufacturing Tracking Dashboard - Material Handler List of Equipment Qualifications List of Forms List of References List of SOPs & Work Instructions QC Docs Quality - CoA (Certificates of Analysis) Quality - Internal Certificates Quality - MBR Issuing Dashboard (No Pilots!) Quality - MBRs (Master Batch Records) Quality - Specifications R&D Dashboard Sanitation Table of Contents

Quality Module

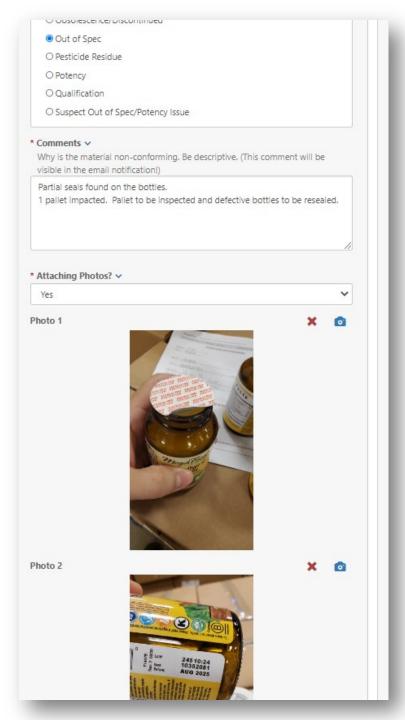


Quality Module



Quality Module

Preship



Quality Module

- NCMR (Hold Incident)
- Use of Pictures to detail the defect and the product impacted

Quality Module

Quality Module

Corrective Action Log



Keys to Success

- Cross Functional Ownership/Buy-in
- Super User Identification (SME)
- Self Initiative
- Commitment to Resources during Launch Phase
- Build Relationship with TraceGains Staff

Why TraceGains

- "The" Industry Leader in Supplier Documentation
- Configurable software enables user to uniquely configure
- TraceGains Support Staff
- TraceGains Seeking to Understand Industry Needs

What's Next?

- Formulation Module
- Co-manufacturing Module

Please type your questions into the Q&A box.





Thank you!