



Investor Presentation  
May, 2009



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## Our Business and Unique Product Offering



### *Putting Nature to Work* to address major global issues:

- People, pet and environment friendly control of insects in homes and businesses
- Prevention of parasitic infections in people and animals
- Safer protection of food crops and plants from insects, worms and fungal diseases
- Reducing ground water pollution and depletion of natural peat bogs

## Introduction and Overview

- Emerging as leading clean-tech pesticide company using Nature's Technology
- *First products now commercialized* with more new products planned for 2009
- Proprietary discovery platform drives strong and diverse natural product pipeline
- Valuable consumer partnerships successfully progressing with market leaders such as Kraft Foods and Terminix
- Valuable agricultural partnerships successfully progressing with companies such as Arysta Life Sciences and our TyraChem Joint Venture
- Sustainable Solutions division revenue growth with expanding near term sales funnel

## Two Key Revenue Drivers



### → TyraTech Nature's Technology: *Safe and effective insect control compounds*

- Powerful, natural based technology that specifically targets sensitive biological receptors found on invertebrate pest species like insects and worms, but not on humans and animals
- Discovery platform for on-going identification of new compounds
- Using plant essential oils in proprietary combinations

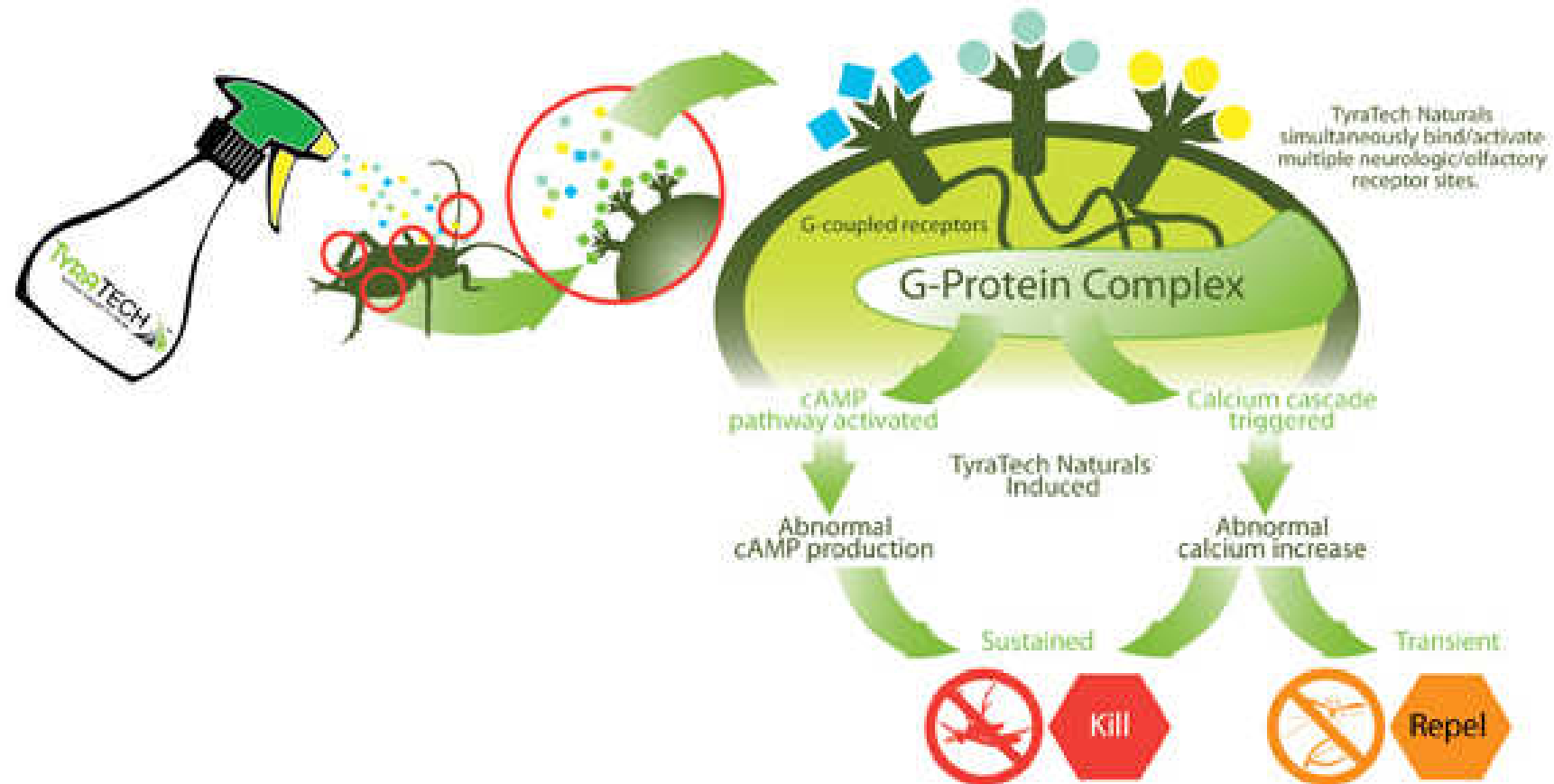
### → Sustainable Solutions: *Turning "waste" into profit*

- Cost-effective manure management system for dairy farmers which produces a commercial organic growing/potting medium for horticulture



# Development and Technology

## TyraTech Naturals targeted molecular activity



Invertebrate receptors not found on humans and animals confer safety and basis for proprietary discovery screening assay

## Features of TyraTech Natural Products

- A growing library of proprietary active ingredient compounds
  - On-going discovery using proprietary biotechnology screening platform
- Synergy of individual compounds used together gives a potency not achievable by any single or randomly mixed natural

Compound	Application Rate (grams/square centimeter glass surface area)	German Cockroach Mortality (after five minute exposure to treated surface)
A	6.3 mg/cm <sup>2</sup>	0% mortality
B	6.3 mg/cm <sup>2</sup>	0% mortality
C	6.3 mg/cm <sup>2</sup>	0% mortality
<b>TyraTech Blend</b>	<b>6.3 mg/cm<sup>2</sup></b>	<b>100% mortality</b>

- Faster regulatory path related to use of safe natural active ingredients
- Proven broad spectrum potency to insects, nematodes, fungal diseases and parasites
- Significant “know how “of complex essential oil chemistry



# Nature's Technology

## Nature's Technology Business Model

- Diverse and major market opportunities
- Pesticide market segments
  - Multi-segmented Consumer Market (\$19+ billion):
    - Home Lawn and Garden (consumer retail)
    - Institutional (business, government, hospitality, PCO)
    - Human and pet control of intestinal parasites and skin infestations
    - Mosquito and Vector Control
  - Multi-segmented Agriculture Market(\$14+ billion)
    - Farm animal control of Intestinal parasites and skin infestations
    - Agriculture and Horticulture
- Development and marketing partnerships with market leaders to target a greater share of the value chain
  - Provide funding assistance or expense deferral to TyraTech
- Use of market leading distributors for own products

## Accessing Diverse Markets with industry leaders

### → Consumer



- Kraft Foods
  - » Functional food products to benefit people with endemic parasitic disease



- Terminix International
  - » New household friendly products for general insect control
  - » New agreement to encompass commercial and institutional markets

### → Agriculture



- Arysta Life Sciences
  - » Environmentally safer agricultural pest control products



- TyraChem
  - » Natural safe products to overcome and control resistant insects and fungal disease in bananas and pineapples

## Kraft Alliance: Major New Market With World's Second Largest Food Company

- Partnership Objective
  - Change the paradigm for prevention of intestinal parasites with an affordable, daily functional food product
- Regular use of TyraTech Naturals may enable preventative approach
  - 2 billion+ people market opportunity
- 100% cure of intestinal parasite infection, and prevention at low-doses demonstrated in mice with TyraTech Naturals
- Material upfront license fees, series of development fee-based milestones and R&D reimbursements
  - Major \$multi-millio2008 milestone accelerated due to TyraTech's progress and project interest
  - Additional \$multi-million milestones remain
- Current stage to complete all work necessary to test lead product format in humans is expected in 2009



## Terminix Partnership Announced in December



### About Terminix

- One of world's largest pest control companies; US and 14 other countries
- Specialty in home and business pest control services
- Over 2.8 million home customers

### Partnership

- Encompasses development, marketing and co-branding of TyraTech products in the US for pest control in households
  - Immediate marketing of lead product while developing additional products and exploring expansion into new areas
- TyraTech develop and manufacture products, Terminix commercializes
- SafeShield™ product released in April 2009 with \$multi-million order
- New expanded market relationship reached in May, 2009 for the US commercial and institutional markets. Launch in 2009.



## Safe Shield™ Launch in April!

- SafeShield™ to be marketed through and under the Terminix brand
  - TyraTech Natural product developed and manufactured by TyraTech
  - Product carries TyraTech co-brand
- Terminix launch in April 2009
  - Family safe insecticide for home use
  - First consumer product to carry Terminix brand
  - Initial launch to customers in 5 major markets; national launch to follow
  - Targeted for the *2.8 million existing* homeowner customer base
  - Planning to expand to general consumer marketplace
- Tom Brackett, Terminix President, in announcing SafeShield:

***“Consumers no longer need to turn to harsh off-the-shelf products to eliminate the occasional indoor pest”***

**TERMINIX**<sup>®</sup>  
Power over pests.™



## Arysta Life Sciences

- Partnership established in 2006 with top-tier crop protection and horticulture company
  - Deal structure provided for licensing payments to TyraTech, along with royalties on product sales
  - Arysta to fund all product development and field testing
  - TyraTech to sell TyraTech Naturals active ingredients to Arysta
- Completed successful field tests in 2007 and expanded field trials in 2008
- Working aggressively towards US launch for lead product
  - Progress expected to provide 2009 revenue
- Positive results have led to negotiation for broader market segment rights
  - Expanded relationship targeted in 2009



# TyraChem



## Joint Venture with McNeel/Chemplast

- Provides effective commercial channel to the plantation fruit pesticide market with market leader.
- Brings new technology for incorporation of TyraTech Natural pesticides into plastics for plantation crop agriculture and consumer products.

## Structure

- 50:50 Joint Venture to:
  - Develop and commercialize products that combine TyraTech Natural pesticide technology with Chemplast plastics technology
  - Develop and market other TyraTech Natural insecticide and fungicide products for the banana, plantain and pineapple agricultural markets
- Operating expenses and profit to be shared; initial funding advanced by Chemplast
  - TyraTech to receive royalties on product sales and equal share of profit





# Sustainable Solutions

## TyraTech Sustainable Solutions



**WASTESOLVER™:** US Market >\$400 million

- Patented equipment for Nature's Natural production
- First sales announced and a growing pipeline in 2009
- Equipment sold to dairy farms
  - Favourable economics and waste pollution problem solver for farms
- Revenue generating manufacturing sites
- Complete product range **WASTESOLVER™: SOLIDSOLVER™** and **SANDSOLVER™**

**Nature's Natural:** US Market >\$250 million per annum

- A pathogen and odor free, absorbent, nutrient rich, low salt compost
- Replacement of sphagnum peat for potting or landscape use
- Ideal animal bedding material (eliminates need for current costly beddings)
- Combines with TyraTech insecticides for value-added organic potting soil

# WasteSolver Schematic



Solids Recovery Unit (SRU)      Solids Treatment Unit (STU)



## Opportunity & Summary

## Summary



- Strong recent progress
  - Terminix International partnership was established and expanded with first products shipped
  - Kraft Stage 2 \$multi-million milestone payment 75% accelerated
  - TyraChem JV formed and active
  - Sustainable Solutions progress
  - US patent awarded to cover the screening platform for new natural active compounds and blends
- First products now released with more planned
- “Multiple shots on goal” business model with diverse major markets
- Proven development platform for natural products that work
- Bringing new IP and product capability to the pesticide market
- Strong partnerships with market leaders drives economical development and market adoption in scale
- Sustainable Solutions becoming a material asset

