



BY PETER POTERES  
GLANBIA PERFORMANCE NUTRITION GLOBAL VP OF QA  
THURSDAY JUNE 27TH, 2019

glanbia   ISOPURE thinkThin Amazing Grass BODYFIT Slimfast NUTRAMINO 

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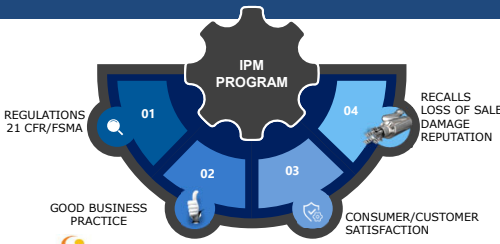
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### WHY DO WE NEED AN IPM PROGRAM?






REGULATIONS 21 CFR/FSMA

GOOD BUSINESS PRACTICE

CONSUMER/CUSTOMER SATISFACTION

RECALLS LOSS OF SALE DAMAGE REPUTATION

IPM PROGRAM

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### REGULATION

FDA Code of Federal Regulations (CFR):  
Title 21 – Food And Drugs

Glanbia abides by 21 CFR Part 111 cGMP's for Dietary Supplements (111.15 Subpart C – Physical Plant and Grounds): (d) Pest control

NOT ALLOW	EXCLUDE	PROTECT
(1) You must not allow animals or pests in any area of your physical plant. Guard or guide dogs are allowed in some areas of your physical plant if the presence of the dogs will not result in contamination of components, dietary supplements, or contact surfaces	(2) You must take effective measures to exclude pests from the physical plant and to protect against contamination of components, dietary supplements, and contact surfaces on the premises by pests	(3) You must not use insecticides, fumigants, fungicides, or rodenticides, unless you take precautions to protect against the contamination of components, dietary supplements, or contact surfaces

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## REGULATION

### FDA Code of Federal Regulations (CFR): Title 21 – Food And Drugs

FSMA	REPLACEMENT	HACCP TO HARPC
<p>The FDA Food Safety Modernization Act (FSMA), was passed by Congress with the intent of building a safety net that would provide protections at all points along the global food-supply chain – from farm to table. The act was signed into law in 2011.</p>	<p>FDA announced replacement of 21 CFR Part 110 Food GMPs with the new regulation 21 CFR Part 117 Current Good Manufacturing Practices, Hazard Analysis, and Risk-Based Preventive Controls for Human Food. Full replacement of 21 CFR Part 110 was completed by end of 2016.</p>	<p>FSMA changed the food safety philosophy from HACCP (Hazard Analysis of Critical Control Points) to HARPC (Hazard Analysis Risk-Based Preventive Controls): Basically more proactive in food safety prevention instead of after they occur.</p>



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## CONSUMER / CUSTOMER

**Protecting our consumers is our duty and is our top priority!**

- We are in business today because of our customers and as a result we take customer satisfaction very seriously.
- There will be absolutely "zero" compromise when it comes to food safety.
- Manufacturers have a responsibility to the consumer of providing the highest quality wholesome product without contaminates.
- Manufacturers need to have a robust consumer complaint program.



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## TYPICAL FOOD PROCESSING PESTS

Common pests requiring control in the food processing industry include but certainly are not limited to the following:

Cockroaches, food infesting beetles (i.e. carpet, red flour, confused, warehouse and drugstore)	Indian Meal Moths, weevils, booklice & mites, social insects (ants, bees, etc.)	Occasional invaders (i.e. crickets, pill bugs, etc.), mice, voles, rats, birds and other animals (i.e. bats, snakes, etc.)
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## GLANBIA IPM PROGRAM

- Our IPM program consists of using non-chemical and if needed chemical approaches with the objective to reduce or eliminate pests from our food processing and storage facilities.
- Via design, the Glanbia IPM program goal is to reduce the use of chemicals for pest control. Methodical and thorough application and expansion of the minimum criteria will reduce pest issues and will most likely reduce overall pest control chemical use.





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## GLANBIA IPM PROGRAM

**Glanbia defines IPM as containing 4 essential elements**

Sanitation	Mechanical Exclusion	Non-Pesticide controls	Other
Minimize pest • Food • Shelter • Water	• Physical barriers • Raw material inspection	• ILT's • Glue boards • Catch traps • Pheromone traps, etc....	Pesticides, Baits & Rodenticide used as appropriate

**AS THE BASE OF A SUCCESSFUL IPM PROGRAM!!!**



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## GLANBIA IPM PROGRAM

**Other Key Elements**

Designate an IPM Expert	Survey the surrounding neighborhood	Survey the plant interior environment
At Glanbia we have Frazier Thomas Plant Sanitarian handling the "daily" activities who works directly with the PCO and myself for strategic review and support.	• Locate all facilities, vacant lots, dumpsites and other food processing facilities, construction sites that might present a pest problem within a two to three block radius around the facility. • Establish relations with neighboring facilities.	An interior IPM survey should be very comprehensive and should be conducted by a plant team. The designated plant IPM expert, engineering, maintenance, operations, sanitation personnel, and of course your McCloud Pest Control team should all be involved.



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## GLANBIA IPM PROGRAM

### Institute monitoring audits



- Compliance Audits
- Pest Management Audits
- Employee Sighting Log
- Chemical & Mechanical Monitoring
- Pesticide Usage Log
- Incoming/Outbound Transportation Inspections



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“Find a Better Way”  
Is one of our values at Glanbia



We want our PCO spending more time doing inspections/audits and less time checking equipment.



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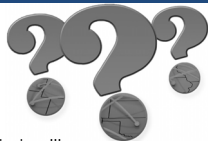
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## QUESTIONS?



Thank you!!!  
Peter Poteres  
GLANBIA PERFORMANCE NUTRITION  
GLOBAL VP OF QA



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