



# INTEGRATING HEAT TREATMENTS INTO AN IPM PROGRAM

PRESENTED BY

RONALD J GRINHAM

FOR

WORLD WIDE ALTERNATIVE PEST  
ELIMINATION SERVICES INC.


HEAT IS CLEAN - SAFE - USER  
FRIENDLY THE PERFECT IPM TOOL.

1

2/20/2004




# INTEGRATED PEST MANAGEMENT

- AS WE MOVE INTO THIS NEW CENTURY PEOPLE ARE MORE THAN EVER BEFORE LOOKING AT PRODUCTS AND SERVICES WITH REDUCED OR NON PESTICIDE EXPOSURE.
  - ORGANIC IS NOW A WAY OF LIFE.
- 




# IPM GOALS

- IPM IS PEST CONTROL WITH THE MINIMAL USE OF INSECTICIDES AND RODENTICIDES.
- 
- 



# THE OBJECTIVE

- TO CONTROL INSECT AND RODENT POPULATIONS PRIOR TO THE INFESTATION OCCURRING.
- 




# IPM IS PREVENTION

- PREVENTION
  - PREVENTION
- PREVENTION
- THE FIRST STEP IN A SUCCESSFUL IPM PROGRAM IS

?



# DO THERMAL HEAT TREATMENTS FIT INTO AN IPM PROGRAM ?

- THERMAL HEAT TREATMENT ARE NON CHEMICAL, LEAVE NO RESIDUES AND ARE ENVIRONMENTALLY FRIENDLY.
- 




# THE ANSWER

- YES THERMAL HEAT IS THE IDEAL IPM TOOL.
- 




# WHY IS THERMAL HEAT AN IDEAL TOOL ?

- THERMAL HEAT CAN BE USED  
IN :
  - GRAIN STORAGE FACILITIES.
- 





# WHY IS THERMAL HEAT AN IDEAL TOOL ?

- THERMAL HEAT CAN BE USED  
IN :
  - MILLS AND MILLING  
EQUIPMENT.
- 



# WHY IS THERMAL HEAT AN IDEAL TOOL ?

- THERMAL HEAT CAN BE USED  
IN :
  - PROCESSING PLANTS.
- 



# WHY IS THERMAL HEAT AN IDEAL TOOL ?

- THERMAL HEAT CAN BE USED  
IN :
  - PACKING FACILITIES
- 



# WHY IS THERMAL HEAT AN IDEAL TOOL ?

- THERMAL HEAT CAN BE USED  
IN:
    - WAREHOUSES
- 



# WHY IS THERMAL HEAT AN IDEAL TOOL ?

- THERMAL HEAT CAN BE USED IN :
- SHIPPING CONTAINERS, RAIL CARS

AND


?

# WHAT CAN A THERMAL HEAT TREATMENT ELIMINATE ?

- THERMAL HEAT TREATMENTS CAN BE USED TO CONTROL AND / OR ELIMINATE:
- MOISTURE, MOLD AND FUNGI GROWTH IN STRUCTURES AND STORAGE FACILITIES




# WHAT CAN A THERMAL HEAT TREATMENT ELIMINATE ?

- THERMAL HEAT TREATMENTS CAN BE USED TO CONTROL AND / OR ELIMINATE:
  - ALL STAGES OF INSECT LIFE, EGGS, ADULT, PUPAE AND LARVAE.
- 




# WHAT CAN A THERMAL HEAT TREATMENT ELIMINATE ?

- THERMAL HEAT TREATMENTS CAN BE USED TO CONTROL AND / OR ELIMINATE:
  - PEST BORNE PATHOGENS.
- 





# IPM AND THERMAL HEAT.

- THERMAL HEAT TREATMENT DUE TO ITS ABILITY TO BE USED AS A TOOL THAT CAN PREVENT THE SPREAD OF INFECTION AND INFESTATION MAKES IT A VALUABLE ASSET AND PERFECT IPM PARTNER.
- 



# QUESTIONS PLEASE.

