

## Confessions of a variance committee member

Dr. Ben Chapman NC State University June 29, 2016

l put cabbage, carrots and





LeDolci @LeDolci · 27 Aug 2013 Good Evening All,

Firstly, we'd like to say we are very concerned about what has happened in the past week. We... fb.me/13KnWAnMs





## @LeDolci Can you share the pH and water activity of the maple bacon jam? There's some Internet speculation over contamination at the CNE.

1:00 PM - 28 Aug 2013















## **Regulator training**

#### Two days

- Day one principles of HACCP/specialized processes
- Day two hands on and HACCP plan development
- Yogurt fermentation
- Canning tomatoes
- Acidifying sushi rice
- o Sous Vide/ROP
- 280 state and local EHS since 2014









## Industry training

- Industry training
- One-day
- Limited numbers
- Specific to charcuterie



## Too many CCPs Not enough science Lack of understanding how/what to manage Home recipes



Nicholas Appert 12,000 francs, in 1809 when he submitted his method of "food in glass bottles." Acidic/acidified foods heat sufficient to destroy vegetative microorganisms Foods packed into sealed, or airtight containers. Low acid canned foods are heated under pressure at temperatures of 240-250° F (116-121° C). Majority of home canners have reported not following sciencebased home preservation methods

Receive much of their home preservation information through friends and family

Only 45% of respondents thought that home canned foods could be spoiled without obvious signs of spoilage





2012 CDC surveillance 160 cases 25 cases foodborne 12 were linked to 2 pruno outbreaks Clostridium botulinum Lancaster, Ohio One death and 24 illnesses Linked to a church potluck Canned potatoes in potato salad

> Potatoes Canned Sept. 1, 2009

From The Kitc Potat Canned Sep

then



I'm just making tempeh, not fermenting



# re my kale chips shelf table?

belore...



How do I validate?

