

# What is Water Bath Canning?

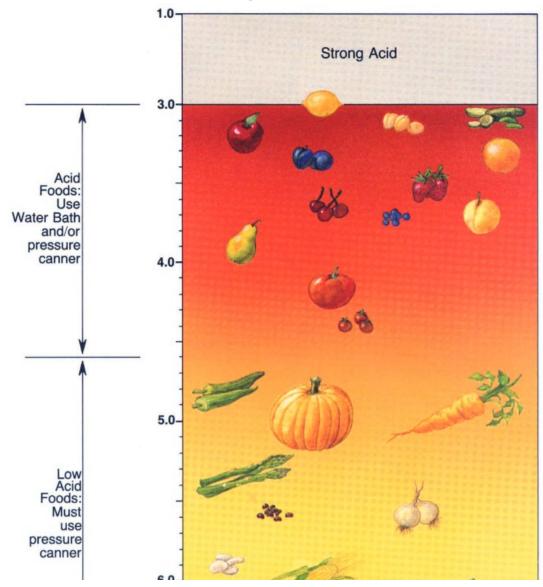


## **Canning- Water Bath**

- 212 degrees for x amount of time (depending on recipe)
- High acid foods only- fruit, tomatoes, vinegar pickles, relishes, jellies, jams, preserves, etc.
- Steam canners are also safe and easy to use



# **Canning-Food Acidity**



Step 1- Assemble equipment



Step 2- Process food as recipe instructs (peel, chop cook, puree, etc)



Step 3- Prepare canning equipment (sterilize if necessary)



Step 4- Fill jars to appropriate level



Step 5- Place lids on jars and tighten to "finger tight"



Step 6- Process jars in boiling water for given time in recipe (note- altitude affects processing times)



Step 7- Remove jars and let cool at room temperature



## **Canning Safety Notes**

- Follow the recipe! (Make sure it's approved by USDA)
- Sickness or death from botulism is a real possibility if ingredients or process times are not followed closely
- Make sure jars have sealed once they are cool
- Food within jars that is not totally submerged in liquid is ok IF the recipe was followed
- Jars that do not seal can be reprocessed within 24hrs or refrigerated and eaten within a day or two

## **Canning**

### A Note on Botulism

- Canning Enemy #1- Clostridium botulinum- bacteria that may cause botulism
- C. botulinum cannot be smelled, seen, or tasted
- Low acid foods must be canned at higher than boiling point temperatures to kill bacterial spores that ARE NOT killed at 212 degrees
- Never eat any home canned food that you aren't sure about

# **Q**- What is an "Approved" Recipe?

<u>A</u>- Recipe that has been scientifically tested by a university or government lab to both evaluate the pH of a canned product and ensure proper heat penetration from the water bath or pressure canning process into the contents of a jar.

#### Resources- Books

- So Easy to Preserve

   University of Georgia Cooperative
- Ball Guide to Preserving Ball "Blue Book"

## Resources-Internet (a.k.a, the Wild West)

- The National Center for Home Food Preservation
- USDA Complete Guide to Home Canning
- UNH Extension Food Preservation
- Penn State Extension Food Preservation Food Safety
- UNH Extension- What to Look for When Determining the Safety of Home Canning Recipes

#### **Resources- UNH Extension**

Staff specialists and Master Gardeners help connect you with the resources and expertise of the University of New Hampshire.

- Form
- Call: 1-877-EXT-GROW (398-4769)
- Email: answers@unh.edu
- Walk in: 329 Mast Rd, Ste 115, Goffstown, N.H.
- Social Media: Facebook, and Instagram
- Sign up for the Newsletter: Granite State Gardening
- Podcast: Granite State Gardening

## **Canning- Water Bath Equipment List**

- ☐ USDA-approved recipe
- \*Fresh\* ingredients
- ☐ Large canning pot with rack or atmospheric steam canner
- ☐ Clean cloths
- Quality jars (approved for canning)
- ☐ Lids and rings
- ☐ Funnel
- ☐ Jar lifter
- Oven mitts
- ☐ Headspace measuring tool/bubble remover

