

# ALL THINGS PICKLED

*Current preserving and food safety information recommends that home canned pickled products be processed in a boiling water bath. Using this technique, filled jars are heated in boiling water for a specific length of time in order to destroy microorganisms and enzymes that may cause spoilage. This heating step, called processing, not only destroys spoilage organisms but also forces air out of the jars. As the jars cool, airtight vacuum seals form, preventing air and microorganisms from re-entering jars. Specific processing times are established through laboratory testing.*

*There are quick and easy recipes for pickled products that do not require processing. These pickles must be either refrigerated or frozen.*

*Research is continually being conducted in the area of home canning. As a result, recommendations may change. Many factors over which we have no control may cause seal failures or spoilage. Therefore, we cannot guarantee that seal failures or spoilage will not occur even if the general directions set out below are followed.*

**WARNING:** *Seal failures or spoilage may not be apparent from the appearance or odour of the home canned pickled products. Consumption of spoiled food can lead to serious illness or death. The ATCO Blue Flame Kitchen assumes no responsibility or liability for any seal failures or spoilage that may occur as a result of following the general directions set out below.*

## GENERAL DIRECTIONS FOR PROCESSING PICKLED PRODUCTS

1. Before beginning, review the information in the following steps. Assemble all equipment and ingredients.
2. Visually inspect canning jars for nicks, cracks, uneven rims or sharp edges that may prevent sealing or cause jars to break. Screw bands may be reused. Check to ensure screw bands show no rust, are in good condition and fit properly on jars. Discard any jars and screw bands that are not in good condition. Use new metal lids each time to ensure a vacuum seal. Wash jars, screw bands and lids in hot soapy water. Rinse well.
3. **Sterilize jars just before use.** To sterilize jars, place upright into rack in a boiling water canner. Cover with room temperature water. Place lid on canner. Place over high heat and bring to a boil; boil rapidly for 15 minutes or as required (see *Canning At High Altitudes*). Raise rack holding jars and hook handles on sides of canner. Leave water-filled jars in canner until ready to fill. Prepare metal lids according to manufacturer's instructions; leave in hot water until ready to use. Screw bands do not need to be sterilized.
4. Use fresh, top quality produce. Wash thoroughly. Prepare according to recipe.
5. Drain one jar at a time into sink and fill jar immediately with prepared product, leaving headspace specified in recipe. Headspace is the space at the top of the jar between the underside of the lid and the top of the food or liquid.
6. Remove air bubbles by sliding a nonmetallic utensil, such as a narrow rubber spatula or plastic knife, between jar and food. After removing air bubbles, add additional liquid or product, if required, to maintain correct headspace. Wipe jar rim thoroughly with a clean damp cloth.
7. Center lid on jar. Apply screw band just until "fingertip tight". **Do not** overtighten. "Fingertip tight" allows some give between the lid and jar and allows air to escape during processing. This creates a vacuum seal as the product cools.
8. Place filled jar into the raised canner rack. Repeat process with remaining jars and prepared product (starting at step 5). When all jars are filled or canner is full, lower rack into hot water. Be sure jars are covered by at least 1 inch (2.5 cm) of water; add boiling water, if required. Place lid on canner and turn heat to high.
9. When water returns to a full rolling boil, begin counting processing time specified in recipe. Reduce heat to maintain a gentle and steady boil for the required time. Turn off heat and remove canner lid. Allow boil to subside. Using a jar lifter, remove jars from water without tilting and place upright on a rack, dry towel or a cutting board to cool in a draft-free place. **Do not** retighten screw bands or turn jars upside down as seals may be broken. Allow jars to cool undisturbed for 12 - 24 hours.
10. After cooling, check jars for vacuum seal by pressing on center of each lid. Sealed lids curve downward and do not move. Refrigerate any unsealed jars and use product within three months or reprocess within 24 hours of original processing. Reprocessing is not recommended as it gives a significantly overcooked product. However, if reprocessing is desired, empty jars, reserving product and liquid. Repeat all steps.
11. To store sealed jars, wipe with a clean damp cloth. Remove, wash and dry screw bands. Store screw bands separately or replace loosely on jars, as desired. Label jars and store in a cool dark place for up to one year. If a sealed jar becomes unsealed after some time in storage, this may indicate spoilage from microbial growth. Discard the contents of the jar. Unless otherwise specified, all pickled products, once opened, should be refrigerated and used within **three months**.

## Canning At High Altitudes

In most home canning recipes, recommended times for processing in a boiling water bath are given for altitudes of up to 1000 ft (305 m). When canning at higher altitudes, **sterilizing and processing times must be extended**. As air is thinner at higher altitudes, water boils at temperatures lower than 212°F (100°C). These lower temperatures are less effective in destroying microorganisms, therefore increased processing times are necessary to ensure the safety of home canned foods preserved at higher altitudes.

**Unless otherwise specified, the times given in this publication are for altitudes of 1001 - 3000 ft (305 - 914 m). For altitudes higher than 3000 ft (914 m), add 5 minutes to sterilizing and processing times.**

### Alberta Altitudes

*1001 - 3000 ft (305 - 914 m) Use processing time in recipe for the following locations:*

- Edmonton  
- Fort McMurray  
- Grande Prairie  
- Lloydminster  
- Peace River  
- Red Deer

*3001 - 6000 ft (915 - 1829 m) Add 5 minutes to processing time in recipe for the following locations:*

- Banff  
- Calgary  
- Jasper  
- Lethbridge

## Additional Information

1. Glass lids may be used for canning, however, new rubber rings must be used each time. Soften rubber rings in hot water for 5 minutes. Sterilize lids in boiling water for 15 minutes or as required (see Canning At High Altitudes). As each jar is filled, stretch rubber ring gently onto lid and place on clean jar rim. Apply screw band tightly and then turn back 1/2 inch (1.25 cm) to allow the air to vent during processing. Once processing time is complete, **carefully** retighten the screw band immediately after jars are removed from canner. **Do not** turn jars upside down as seals may be broken.
2. Any deep pot with a lid, such as a stock pot, that allows for at least 1 inch (2.5 cm) of water above jars may be used in place of a boiling water canner. A rack, such as a cake cooling rack, may be used to elevate jars off bottom of canner. A deep pressure canner may also be used. Place the lid loosely on the pressure canner. Do not lock lid into place and leave vent open so that steam escapes and pressure does not build up inside.

## BRINED DILL PICKLES

*Brined or fermented pickles go through a curing process for one or more weeks. Attention to cleanliness, measurements, time and temperature are essential to the success and safety of brined pickles. This recipe has not been tested in the ATCO Blue Flame Kitchen. It is an adaptation of Brined Dill Pickles, Bernardin Ltd.*

10 lb (4.5 kg) pickling cucumbers	6 - 12 cloves garlic
(4 inch/10 cm)	16 cups (4 L) water
3/4 cup (175 mL) mixed pickling spice	2 cups (500 mL) vinegar
24 - 30 heads fresh dill	1 1/2 cups (375 mL) pickling salt

Wash a large crock or food-grade plastic container with hot soapy water. Rinse container with a solution of 1 tbsp (15 mL) chlorine bleach per quart (L) of water; rinse with boiling water. Wash cucumbers thoroughly. Trim 1/8 inch (3 mm) off stem and blossom ends. Place half of the pickling spice, dill and garlic in crock. Fill crock with cucumbers to within 4 inches (10 cm) of top. Add remaining pickling spice, dill and garlic. To prepare pickling liquid, combine water, vinegar and salt. Stir until salt is dissolved. Pour over cucumbers. Place a weight on top of cucumbers to hold them under liquid. Store crock in a room with a consistent temperature of 70 - 75°F (21 - 24°C) for 2 - 3 weeks while cucumbers are fermenting. Remove surface scum daily. Let cucumbers ferment until well flavoured with dill and evenly coloured or translucent throughout. Fully fermented pickles may be stored in the original crock for 4 - 6 months, provided they are refrigerated and surface scum is removed regularly. Water bath processing fully fermented pickles is preferable. To process, remove pickles from pickling liquid. Strain liquid into a nonreactive Dutch oven; bring to a boil. Pack pickles into hot sterilized jars. Pour boiling pickling liquid over pickles, leaving 1/2 inch (1.25 cm) headspace. Remove air bubbles with a narrow rubber spatula or plastic knife. Add additional pickling liquid, if required, to maintain headspace. Wipe jar rims thoroughly with a clean damp cloth. Seal and process for 20 minutes\* in a boiling water bath. **Yield:** 6 quart (L) jars.

**Preparation Tip:** *A resealable plastic bag filled with pickling liquid makes an excellent weight to hold cucumbers under pickling liquid.*

\*For altitudes higher than 3000 ft (914 m), add 5 minutes to processing time.

## DELICIOUS DILL PICKLES

10 lb pickling cucumbers (4 inch)	6 - 16 cloves garlic
15 cups water	Red pepper flakes, optional
7 cups apple cider vinegar	12 - 16 heads fresh dill
7/8 cup pickling salt	

Wash cucumbers thoroughly. Trim 1/8 inch off stem and blossom ends. Place cucumbers in ice water and refrigerate overnight; drain. To prepare pickling liquid, combine water, vinegar and salt in a nonreactive Dutch oven. Bring to a boil, stirring to dissolve salt. In each hot sterilized jar, place 1 - 2 cloves garlic, 1/4 tsp pepper flakes and 1 head dill. Pack cucumbers into jars and place a second head of dill on top. Pour boiling pickling liquid over cucumbers, leaving 1/2 inch headspace. Remove air bubbles with a narrow rubber spatula or plastic knife. Add additional pickling liquid, if required, to maintain headspace. Wipe jar rims thoroughly with a clean damp cloth. Seal and process for 20 minutes\* in a boiling water bath. **Yield:** 6 - 8 quart (L) jars.

**Preparation Tip:** *The flavour of these pickles is best if they are stored 6 weeks before serving.*

## FRESH PACK DILL PICKLES

*This recipe has not been tested in the ATCO Blue Flame Kitchen. It is an adaptation of Fresh Pack Dill Pickles, Bernardin Ltd.*

14 lb (6.5 kg) pickling cucumbers (4 inch/10 cm)	3/4 cup (175 mL) pickling salt
16 cups (4 L) ice cubes	1/4 cup (50 mL) sugar
8 cups (2 L) water	2 tbs (25 mL) mixed pickling spice, tied in cheesecloth bag
1 cup (250 mL) pickling salt	14 tsp (70 mL) mustard seed
8 cups (2 L) water	14 - 21 heads fresh dill
6 cups (1.5 L) vinegar	14 - 21 cloves garlic

Wash cucumbers thoroughly. Trim 1/8 inch (3 mm) off stem and blossom ends. Layer cucumbers and ice in a large nonreactive container. In a bowl, combine 8 cups (2 L) water and 1 cup (250 mL) salt, stirring to dissolve salt. Pour over cucumbers. Add additional cold water, if necessary, to just cover cucumbers. Place a weight on top of cucumbers to hold them under water. Refrigerate overnight. To prepare pickling liquid, combine 8 cups (2 L) water, vinegar, 3/4 cup (175 mL) salt, sugar and pickling spice in a nonreactive Dutch oven. Bring to a boil, stirring to dissolve salt and sugar. Boil gently for 5 minutes. Remove spice bag. In each hot sterilized jar, place 2 tsp (10 mL) mustard seed, 2 - 3 heads dill and 2 - 3 cloves garlic. Pack cucumbers into jars. Pour boiling pickling liquid over cucumbers, leaving 1/2 inch (1.25 cm) headspace. Remove air bubbles with a narrow rubber spatula or plastic knife. Add additional pickling liquid, if required, to maintain headspace. Wipe jar rims thoroughly with a clean damp cloth. Seal and process for 20 minutes\* in a boiling water bath. **Yield:** 7 quart (L) jars.

## REFRIGERATOR DILLS

*This recipe does not require processing as it is a refrigerator pickle.*

8 cups water	4 heads fresh dill
1 cup vinegar	3 cloves garlic
1/4 cup pickling salt	2 tbs mixed pickling spice
6 - 7 lb pickling cucumbers (2 1/2 inches)	3 bay leaves

To prepare pickling liquid, combine water, vinegar and salt in a nonreactive container. Stir to dissolve salt; set aside. Wash a 1 gallon (4 L) jar thoroughly with hot soapy water. Rinse jar with a solution of 1 tbsp chlorine bleach per quart of water; rinse with boiling water. Wash cucumbers thoroughly. Trim 1/8 inch off stem and blossom ends. Pierce cucumbers several times with a fork. Place dill, garlic, pickling spice and bay leaves in jar. Fill jar with cucumbers. Pour pickling liquid over cucumbers. Cover jar and refrigerate for 5 days before eating pickles. Store refrigerated for up to 2 months. **Yield:** 1 gallon (4 L) jar.

**Preparation Tip:** *The amount of pickling liquid needed will vary depending on the size of cucumbers.*

\*For altitudes higher than 3000 ft (914 m), add 5 minutes to processing time.

### **FREEZER PICKLES**

*This recipe does not require processing as it is a freezer pickle. It uses table salt rather than pickling salt.*

8 cups (2 L) thinly sliced English cucumbers	2 cups (500 mL) sugar
2 cups (500 mL) thinly sliced onions	1 cup (250 mL) vinegar
2 tbsp (25 mL) salt	1/3 cup (75 mL) water
	1 tbsp (15 mL) mustard seed

Combine cucumbers, onions and salt in a bowl; set aside. In a saucepan, combine sugar, vinegar, water and mustard seed. Bring mixture to a boil over medium heat, stirring until sugar is dissolved. Pour over cucumber mixture. Stir until thoroughly combined. Cover and refrigerate for 24 hours. Spoon into freezer containers and freeze. Pickles may be frozen for up to 6 weeks. Thaw pickles in refrigerator. Thawed pickles may be kept refrigerated for up to 1 week.

**Yield:** 12 cups (3 L).

### **REFRIGERATOR ICE CREAM PAIL PICKLES**

*This recipe does not require processing as it is a refrigerator pickle.*

10 cups (2.5 L) sugar	4 cups (1 L) peeled pickling onions (about 2 lb/1 kg)
6 cups (1.5 L) vinegar	1 green bell pepper, cut into strips
1/4 cup (50 mL) pickling salt	4 cups (1 L) cauliflower florets (about 2 lb/1 kg)
2 tbsp (25 mL) mustard seed	
2 tbsp (25 mL) turmeric	
14 cups (3.5 L) thinly sliced English cucumbers (about 4 lb/2 kg)	

Wash two ice cream pails thoroughly with hot soapy water. Rinse pails with a solution of 1 tbsp (15 mL) chlorine bleach per quart (L) of water; rinse with boiling water. To prepare pickling liquid, combine sugar, vinegar, salt, mustard seed and turmeric in a nonreactive Dutch oven. Bring to a boil, stirring to dissolve sugar. Remove from heat; cool to lukewarm. Combine cucumbers, onions, green pepper and cauliflower; divide equally between pails. Pour pickling liquid over vegetables; stir to mix well. Vegetables must be completely covered with pickling liquid. Cover and refrigerate. Stir pickles daily for first 2 days. Store refrigerated for up to 4 months.

**Preparation Tip:** *Pickles may be repacked into sterilized glass jars for storage in the refrigerator.*

### **PICKLED BEETS**

4 - 5 lb small beets (40 - 48)	1 cup water
3 cups vinegar	2 tbsp pickling salt
1 1/2 cups sugar	2 tbsp mixed pickling spice, tied in cheesecloth bag

Cook beets until barely tender. Run under cold water until cool enough to handle. Peel and slice beets into 1/4 inch thick slices. To prepare pickling liquid, combine vinegar, sugar, water, salt and pickling spice in a nonreactive Dutch oven. Bring mixture to a boil; reduce heat and simmer 10 minutes. Add beets to liquid; return to a boil. Remove spice bag. Ladle beets and pickling liquid into hot sterilized **pint** jars, leaving 1/2 inch headspace. Remove air bubbles with a narrow rubber spatula or plastic knife. Add additional pickling liquid, if required, to maintain headspace. Wipe jar rims thoroughly with a clean damp cloth. Seal and process for 35 minutes\* in a boiling water bath.

**Yield:** 4 pint (500 mL) jars.

### **PICKLED GINGER**

*The pink colour develops naturally in the ginger during the pickling process.*

*This recipe does not require processing as it is a refrigerator pickle.*

1 lb fresh young ginger	1 cup water
1 tbsp pickling salt	6 tbsp sugar
2 cups rice vinegar	

Peel ginger; slice paper-thin. Layer ginger and salt in a nonreactive container. Cover and refrigerate overnight. To prepare pickling liquid, combine vinegar, water and sugar; stir to dissolve sugar. Spoon ginger mixture into hot sterilized jars. Pour pickling liquid over ginger to completely cover. Store, covered, in refrigerator for up to 3 months.

**Yield:** About 4 cups.

**Preparation Tip:** *Fresh young ginger is necessary for this recipe. Avoid using mature fibrous ginger.*

\*For altitudes higher than 3000 ft (914 m), add 5 minutes to processing time.

## MUSTARD VEGETABLE PICKLES

5 cups (1.25 L) cauliflower florets	3/4 cup (175 mL) flour
5 cups (1.25 L) green bean pieces (1 inch/2.5 cm)	1/2 cup (125 mL) dry mustard
3 medium onions	2 tbsp (25 mL) mustard seed
3 green bell peppers	2 tbsp (25 mL) pickling salt
1 large English cucumber	1 tbsp (15 mL) turmeric
2 1/2 cups (625 mL) sugar	1/4 tsp (1 mL) cayenne pepper
	4 cups (1 L) apple cider vinegar

In separate saucepans, cook cauliflower and beans in boiling salted water until barely tender crisp, about 5 minutes. Drain well and set aside. Cut onions, green peppers and cucumber into 1 inch (2.5 cm) pieces; set aside. In a nonreactive Dutch oven, combine next 7 ingredients (sugar through cayenne pepper). Gradually whisk in vinegar, whisking until smooth. Bring mixture to a boil, stirring constantly. Cook over medium heat, stirring constantly until thickened, about 5 minutes. Add all vegetables and combine thoroughly. Return mixture to a boil over high heat, stirring constantly. Reduce heat and simmer for 15 minutes, stirring frequently. Ladle into hot sterilized jars, leaving 1/2 inch (1.25 cm) headspace. Remove air bubbles with a narrow rubber spatula or plastic knife. Add additional pickle mixture, if required, to maintain headspace. Wipe jar rims thoroughly with a clean damp cloth. Seal and process for 15 minutes\* in a boiling water bath. **Yield:** 8 pint (500 mL) jars.

## BREAD AND BUTTER PICKLES

6 1/2 lb pickling cucumbers (5 inches)	2 tbsp turmeric
1/2 cup pickling salt	2 tsp celery seed
8 cups vinegar	1 tsp whole cloves, optional
6 cups sugar	12 medium onions, thinly sliced
1/4 cup mustard seed	

Wash cucumbers thoroughly. Trim 1/8 inch off stem and blossom ends. Cut into 1/4 inch thick slices. In a large nonreactive container, alternate layers of cucumbers and salt. Cover and let stand at room temperature for 3 hours; drain. To prepare pickling liquid, combine vinegar, sugar and spices in a nonreactive Dutch oven. Bring to a boil. Add cucumbers and onions; return to a boil. Boil 2 - 3 minutes. Ladle mixture into hot sterilized jars, leaving 1/2 inch headspace. Remove air bubbles with a narrow rubber spatula or plastic knife. Add additional pickling liquid, if required, to maintain headspace. Wipe jar rims thoroughly with a clean damp cloth. Seal and process for 15 minutes\* in a boiling water bath. **Yield:** About 8 pint (500 mL) jars.

## SWEET GREEN TOMATO PICKLES

3 1/2 lb small green tomatoes (about 18)	1 tsp turmeric
3 tbsp pickling salt	1/2 tsp celery seed
2 cups vinegar	3 cups sliced onions
1 cup sugar	2 large red bell peppers, chopped
2/3 cup packed dark brown sugar	1 hot pepper, finely chopped
3 tbsp mustard seed	

Slice tomatoes 1/4 inch thick. Place in a nonreactive container. Sprinkle with salt and mix thoroughly. Refrigerate overnight; rinse and drain thoroughly. To prepare pickling liquid, combine vinegar, sugar, brown sugar and spices in a nonreactive Dutch oven. Bring to a boil. Add onions; return to a boil. Reduce heat and boil gently for 5 minutes, stirring frequently. Add tomatoes and peppers and return to a boil. Reduce heat and simmer for 5 minutes, stirring frequently. Ladle into hot sterilized jars, leaving 1/2 inch headspace. Remove air bubbles with a narrow rubber spatula or plastic knife. Add additional pickling liquid, if required, to maintain headspace. Wipe jar rims thoroughly with a clean damp cloth. Seal and process for 20 minutes\* in a boiling water bath. **Yield:** 3 pint (500 mL) jars.

**Hot Pepper Caution:** *Hot peppers cause severe skin and eye irritation. Wear rubber gloves when handling hot peppers and avoid touching any exposed skin.*

\*For altitudes higher than 3000 ft (914 m), add 5 minutes to processing time.

### **PICKLED BELL PEPPERS**

*This recipe has not been tested in the ATCO Blue Flame Kitchen.  
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7 lb firm bell peppers	3 cups water
3 1/2 cups sugar	9 cloves garlic
3 cups vinegar (5%)	4 1/2 tsp canning or pickling salt

Wash peppers, cut into quarters, remove cores and seeds, and cut away any blemishes. Slice peppers in strips. Boil sugar, vinegar, and water for 1 minute. Add peppers and bring to a boil. Place 1/2 clove of garlic and 1/4 tsp salt in each hot sterile half-pint jar; double the amounts for pint jars. Fill hot pepper strips into jars and cover with hot vinegar mixture, leaving 1/2 inch headspace. Remove air bubbles and adjust headspace if needed. Wipe rims of jars with a dampened clean paper towel. Seal and process 10 minutes\* in a boiling water bath. **Yield:** About 9 pint jars.

### **SMALL PICKLED ONIONS**

3 1/2 lb pickling onions	1 cup sugar
1/2 cup pickling salt	2 tsp mixed pickling spice, tied in cheesecloth bag
5 cups white wine vinegar	

Place onions in a large bowl. Cover with boiling water; set aside to cool. Peel onions when cool enough to handle. Place onions in a large nonreactive container. Sprinkle with salt and cover with cold water. Refrigerate overnight. Drain and rinse onions. To prepare pickling liquid, combine vinegar, sugar and pickling spice in a nonreactive Dutch oven. Bring to a boil; boil 1 - 2 minutes. Remove spice bag; add onions and return just to a boil. Ladle onions and pickling liquid into hot sterilized jars, leaving 1/2 inch headspace. Remove air bubbles with a narrow rubber spatula or plastic knife. Add additional pickling liquid, if required, to maintain headspace. Wipe jar rims thoroughly with a clean damp cloth. Seal and process for 15 minutes\* in a boiling water bath. **Yield:** 4 pint (500 mL) jars.

**Preparation Tip:** *White wine vinegar is required to help prevent discoloration (pink or grey onions). Cauliflower florets may be pickled in place of onions, if desired.*

### **DILLED CARROTS**

*This recipe has not been tested in the ATCO Blue Flame Kitchen. It is an adaptation of Dilled Carrots, Bernardin Ltd.*

5 lb (2.5 kg) carrots	7 cloves garlic
6 cups (1.5 L) vinegar	14 heads fresh dill
2 cups (500 mL) water	3 1/2 tsp (17 mL) red pepper flakes, optional
1/2 cup (125 mL) pickling salt	

Peel carrots and cut into 3/4 inch (2 cm) thick sticks, 1 inch (2.5 cm) shorter than jar. To prepare pickling liquid, combine vinegar, water and salt in a nonreactive Dutch oven. Bring to a boil, stirring to dissolve salt. In each hot sterilized jar, place 1 clove garlic, 1 head dill, and 1/2 tsp (2 mL) pepper flakes. Pack carrot sticks into jars and place a second head of dill on top. Pour boiling pickling liquid over carrots, leaving 1/2 inch (1.25 cm) headspace. Remove air bubbles with a narrow rubber spatula or plastic knife. Add additional pickling liquid, if required, to maintain headspace. Wipe jar rims thoroughly with a clean damp cloth. Seal and process for 15 minutes\* in a boiling water bath.

**Yield:** 7 pint (500 mL) jars.

### **PICKLED HORSERADISH**

*This recipe does not require processing as it is a refrigerator pickle.*

2 cups (500 mL) freshly grated horseradish	1/2 tsp (2 mL) pickling salt
1 cup (250 mL) vinegar	1/4 tsp (1 mL) ascorbic acid crystals (vitamin C)
2 tbsp (25 mL) sugar, optional	

Combine all ingredients in a bowl and ladle into hot sterilized jars. Store, covered, in refrigerator for 1 - 2 months or freeze for up to 6 months. **Yield:** 2 half-pint (250 mL) jars.

**Preparation Tip:** *Prepare small quantities of Pickled Horseradish at a time as pungency of fresh horseradish fades within 1 - 2 months, even when refrigerated.*

\*For altitudes higher than 3000 ft (914 m), add 5 minutes to processing time.

## BEEET AND HORSERADISH RELISH

4 lb (2 kg) medium beets (about 10)	2 tsp (10 mL) pickling salt
1/2 cup (125 mL) freshly grated horseradish	1 tbs (15 mL) mixed pickling spice, tied in cheesecloth bag
2 cups (500 mL) vinegar	
1/2 cup (125 mL) sugar	

Cook beets until tender. Run under cold water until cool enough to handle. Peel; grate finely. Combine grated beets and horseradish. To prepare pickling liquid, combine vinegar, sugar, salt and pickling spice in a saucepan. Bring to a boil; boil 1 - 2 minutes. Remove spice bag. Combine beet mixture and pickling liquid in saucepan. Return quickly to a boil, stirring constantly. Spoon into hot sterilized jars leaving 1/2 inch (1.25 cm) headspace. Remove air bubbles with a narrow rubber spatula or plastic knife. Add additional relish, if required, to maintain headspace. Wipe jar rims thoroughly with a clean damp cloth. Seal and process in Alberta for 25 minutes in a boiling water bath.

**Yield:** 5 pint (500 mL) jars.

**Preparation Tip:** *Drained prepared horseradish may be used in place of fresh horseradish.*

## TOMATO CHUTNEY

6 cups (1.5 L) diced peeled tomatoes	1 1/2 tsp (7 mL) pickling salt
4 cups (1 L) diced peeled Golden Delicious apples	1 tsp (5 mL) cinnamon
3 cups (750 mL) chopped red onions	1 tsp (5 mL) cumin
2 red bell peppers, diced	1 tsp (5 mL) cayenne pepper
3 hot peppers, seeded and chopped	3 cups (750 mL) packed brown sugar
2 tbs (25 mL) grated fresh ginger	3 cups (750 mL) apple cider vinegar
3 cloves garlic, crushed	1 cup (250 mL) raisins

Combine all ingredients in a nonreactive Dutch oven. Cook over medium heat, stirring frequently, for 2 hours or until mixture is thick. Ladle into hot sterilized jars, leaving 1/2 inch (1.25 cm) headspace. Remove air bubbles with a narrow rubber spatula or plastic knife. Add additional chutney, if required, to maintain headspace. Wipe jar rims thoroughly with a clean damp cloth. Seal and process in Alberta for 25 minutes in a boiling water bath. **Yield:** 8 half-pint (250 mL) jars.

**Hot Pepper Caution:** *Hot peppers cause severe skin and eye irritation. Wear rubber gloves when handling hot peppers and avoid touching any exposed skin.*

## CUCUMBER HOT DOG RELISH

*This is an old recipe that originally called for vegetables to be ground.*

*The following adaptation will yield a product more closely resembling the commercial variety.*

5 cups finely chopped cucumbers	7 cups water
3 cups finely chopped onions	2 cups vinegar
3 cups finely chopped celery	3 cups sugar
2 red or green bell peppers, finely chopped	2 tbs celery seed
2 hot peppers, seeded and finely chopped	2 tsp mustard seed
3/4 cup pickling salt	

Combine cucumbers, onions, celery and peppers in a large nonreactive container. Dissolve salt in water; mix with vegetables. Refrigerate overnight. Rinse and drain thoroughly; press out liquid. In a nonreactive Dutch oven, combine vinegar, sugar, celery seed and mustard seed; bring to a boil. Add vegetables; return mixture to a boil. Reduce heat and boil gently 10 minutes, stirring frequently. Ladle into hot sterilized jars, leaving 1/2 inch headspace. Remove air bubbles with a narrow rubber spatula or plastic knife. Add additional relish, if required, to maintain headspace. Wipe jar rims thoroughly with a clean damp cloth. Seal and process in Alberta for 25 minutes in a boiling water bath.

**Yield:** 5 pint (500 mL) jars.

**Hot Pepper Caution:** *Hot peppers cause severe skin and eye irritation. Wear rubber gloves when handling hot peppers and avoid touching any exposed skin.*

## TOMATO SALSA

*To make a hotter version of this salsa, add a few drops of hot pepper sauce just before serving.*

5 cups (1.25 L) chopped seeded peeled tomatoes	1/2 cup (125 mL) vinegar
3/4 cup (175 mL) chopped onion	2 tbsp (25 mL) sugar
3/4 cup (175 mL) chopped green bell pepper	2 tbsp (25 mL) lime juice
1/2 cup (125 mL) chopped red bell pepper	1 1/2 tsp (7 mL) pickling salt
1 hot pepper, seeded and chopped	1 tsp (5 mL) paprika
1 clove garlic, crushed	2 tbsp (25 mL) chopped fresh cilantro or parsley
1 can (5 1/2 oz/156 mL) tomato paste	1 tsp (5 mL) oregano, crumbled

Combine all ingredients except cilantro and oregano in a nonreactive Dutch oven. Bring to a boil, stirring constantly; reduce heat to medium. Cook, uncovered, stirring occasionally, for 15 minutes. Add cilantro and oregano. Cook mixture 15 - 20 minutes longer or until thickened. Pour into hot sterilized **pint** (500 mL) jars, leaving 1/2 inch (1.25 cm) headspace. Remove air bubbles with a narrow rubber spatula or plastic knife. Add additional salsa, if required, to maintain headspace. Wipe jar rims thoroughly with a clean damp cloth. Seal and process for 25 minutes\* in a boiling water bath or freeze. Once opened, use within 3 weeks. **Yield:** 2 pint (500 mL) jars.

**Preparation Tip:** *This recipe has the proper acid balance to prevent spoilage. Do not deviate from the proportions in any manner. Do not increase jar size.*

**Hot Pepper Caution:** *Hot peppers cause severe skin and eye irritation. Wear rubber gloves when handling hot peppers and avoid touching any exposed skin.*

## ANTIPASTO

**Most traditional antipasto recipes cannot be home canned safely because they are too low in acid.** *This recipe has been formulated to give a well-balanced flavour and texture. It is safe to process in a boiling water bath. Do not alter ingredients or amounts or increase jar size. This recipe has not been tested in the ATCO Blue Flame Kitchen. It is an adaptation of Vegetarian Antipasto, Bernardin Ltd.*

*For a traditional antipasto, tuna, shrimp, anchovies, mushrooms, olives or olive oil, may be added just before serving.*

1 1/2 cups (375 mL) diced carrots	2 cups (500 mL) packed brown sugar
2 1/2 cups (625 mL) green bean pieces (1/2 inch/1.25 cm)	3 tbsp (40 mL) pickling salt
2 1/2 cups (625 mL) cauliflower florets	2 cups (500 mL) red wine vinegar
2 cups (500 mL) diced onions	3 cans (5 1/2 oz/156 mL each) tomato paste
2 cups (500 mL) diced green bell peppers	1/4 cup (50 mL) Worcestershire sauce
2 cups (500 mL) diced red bell peppers	1 - 2 tbsp (15 - 25 mL) hot pepper sauce
2 cups (500 mL) diced zucchini or peeled eggplant	4 cloves garlic, crushed
1 1/2 cups (375 mL) diced celery	3 tbsp (40 mL) basil, crumbled
	1 tbsp (15 mL) dry mustard

Set prepared vegetables (carrots through celery) aside. In a nonreactive Dutch oven, combine next 7 ingredients (sugar through garlic). Bring to a boil over medium-high heat, stirring frequently. Add carrots. Return mixture to a boil; boil for 2 minutes. Add remaining vegetables, basil and mustard. Return mixture to a boil over medium-high heat, stirring frequently. Reduce heat and boil gently for 5 minutes. Ladle into hot sterilized **pint** (500 mL) jars, leaving 1/2 inch (1.25 cm) headspace. Remove air bubbles with a narrow rubber spatula or plastic knife. Add additional antipasto, if required, to maintain headspace. Wipe jar rims thoroughly with a clean damp cloth. Seal and process for 30 minutes\* in a boiling water bath. Once opened, use within 3 weeks. **Yield:** About 7 pint (500 mL) jars.

**Preparation Tip:** *If using eggplant, prepare just before using to minimize browning. A food processor should not be used to prepare vegetables. If desired, antipasto may be frozen. Cook antipasto to desired consistency before freezing.*

\*For altitudes higher than 3000 ft (914 m), add 5 minutes to processing time.