



*Always Innovating*

USER GUIDE & RECIPES  
BEEF JERKY MACHINE



# BEEF JERKY



## MACHINE

AND FOOD DEHYDRATOR

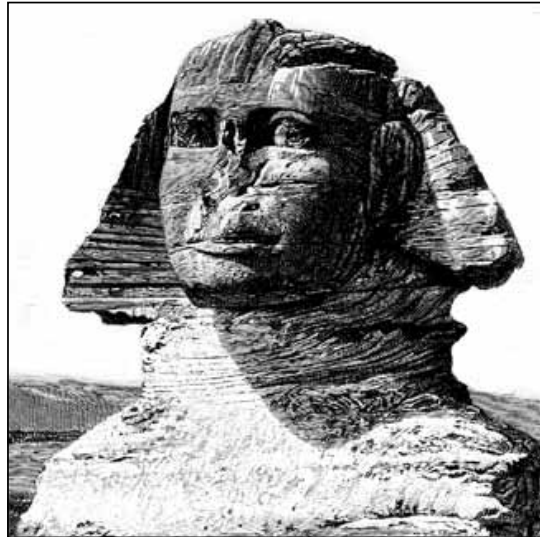
**Includes Jerky Kit & Marinade Recipes**

**QUICK**  
healthy  
*delicious*  
**JERKY!**



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## **FOOD DEHYDRATION**

### **A History and Background**

Your food dehydrator brings a new dimension to ancient food preservation processes. It allows you to enjoy a simpler and more rapid drying process in the convenience of your own home. Now you can have the satisfaction of preparing healthful and delicious treats in the comfort and convenience of your own home and save money and have fun at the same time.

Archeological discoveries indicate that early man sustained himself on natural dehydrated foods and later used heat from the sun or their fires to preserve food harvested during seasons of plenty.

Dried foods were found in the pyramids and other burial tombs and centuries later some of it was still in a state of preservation.

The Vikings carried dried foods on their sea voyages. Dried foods have been stored on board ships throughout the world since ancient days. The Pilgrims found the Native Americans drying food. Pioneers used dried beef jerky and other dried foods as staples on their journeys across the country. More recently, Astronauts who landed on the moon enjoyed desserts of dried fruit.

Today there is interest in nutrition. Because of the ease and convenience and the economy of preparation and storage, food drying is universally popular. It is ideal for backpackers, hikers, campers, boaters, cooks, gardeners, dieters, and health food enthusiasts. Great way to make tasty snacks for kids.

Dehydration is the one of the easiest and most efficient methods of food preservation. Food is exposed to heat and air in order to remove moisture. Lacking moisture, bacteria and micro-organisms are inhibited. So dehydrated foods can be preserved for long periods without refrigeration and they have far less weight and bulk.

## PRINCIPLES OF DEHYDRATION

There are no uniform rules that apply to all food dehydration processes. The best way to become proficient is to experiment using this booklet as a guideline and then adjust your techniques accordingly.

Dehydrating is a method of heating the food to evaporate the moisture present and then removing the water vapor formed.

Keeping records is helpful in food dehydration. For instance, you can weigh food before and after dehydration. Record this along with drying times on the labels of your storage containers. It will help you develop consistent quality in food drying.

Tasty ready-to-eat snacks and confections are some of the versatile products you can create by drying meats, fruits and vegetables at home. After soaking in water, the rehydrated foods can be used in favorite recipes for casseroles, soups, stews and salads. Rehydrated fruits and berries can also make great compotes, sauces and jellies.

Drying is appealing because the procedure is very simple and requires little equipment. Only minimal storage space is needed.

Most food products release moisture rapidly during early stages of drying. This means they can absorb large amounts of heat and give off large quantities of water vapor while remaining at a temperature well below that of the drying air.

### **FIVE Easy Steps to Dehydrate Food:**

1. Slice most foods thin - between 1/8" to 1/4"
2. Do not overlap your food on trays
3. Rotate and turn trays
4. Remove food when it looks and feels dry
5. Place food in air-tight containers - jars or resealable plastic bags

## PROCEDURE

### Food Microbiology and Jerky Products

Always use fresh, meat that has been processed in a sanitary manner. This will ensure a low initial load of bacteria. Salt functions as an antimicrobial ingredient in foods such as dried meat, but some often try to decrease the saltiness of their jerky by using less salt in the recipe. This is dangerous! A minimum level of salt is necessary to inhibit microbial growth during the drying process.

A lower pH, or increased acidity, is also effective. Do not eliminate the acidic ingredient from jerky recipes because the product will not have similar antimicrobial properties. Some jerky recipes call for various food-grade acids such as vinegar (acetic acid), citric acid (common acid in citrus fruits), or ascorbic acid (vitamin C).

## Pretreating Fruits & Vegetables

Enzymes in fruit and vegetables are responsible for color and flavor changes during ripening. These changes will continue during drying and storage unless the produce is pretreated to slow down enzyme activity.

Blanching (immersing briefly in boiling water) can be used in the pretreatment of vegetables. It helps set color and hastens drying by relaxing tissues. It can also help keep flavor during storage and improve reconstitution during cooking.

Many light-colored fruits (especially apples, apricots, peaches, nectarines, and pears) tend to darken during drying and storage. To prevent this darkening, the fruit may be pretreated by blanching or by a suitable dip but effectiveness of pretreatment methods varies.

### **Pretreating Fruits and Vegetables may be dipped in the following:**

- Lemon or Pineapple Juice is a natural alternative (in place of other pretreatments) to reduce unwanted color or browning. Fruit may be sliced right into the juice; remove after a couple of minutes and arrange in trays.

For variety you may dip fruits in Jell-O powders, lime or orange juice, spices or honey. For another tasty flavor, sprinkle with cinnamon or coconut. Combine any of the above for your own special taste treats.

- Sodium Bisulfite: Ask pharmacist for food safe (USP) grade only. You need only 1 teaspoon of sodium bisulfite dissolved in a quart of water. To help prevent any loss of vitamins and to maintain a bright zesty color. Prepare small amounts of fruit and dip in the solution for 1-2 minutes.
- Table Salt can be used as a solution for dipping.
- Citric Acid or Ascorbic Acid solutions give a "Vitamin C tart taste." These anti-oxidant granules are available at health food and drug stores. Mix about 6 tablespoons in a pint of water. Dip for minute or two then dry. Great for banana chips and apple rings.
- Water or Steam Blanching works - however, blanched fruits may turn soft and become difficult to handle. Fruits with tough skins (grapes, prunes and small dark plums, cherries, figs, and some berries) may be water-blanching to crack the skins. This will allow moisture inside to escape more readily during drying.
- Syrup Blanching may help retain the color of apples, apricots, figs, nectarines, peaches, pears and plums. Makes a sweetened, candied food.

Before drying pretreated food, remove any excess moisture by placing the food on paper towels or clean cloths. Trays should be loaded with a thin layer of food as directed. If needed, clean cheesecloth can be spread on the trays to prevent food pieces from sticking or falling through. The food being dried should be between 1/8" to 1/4" thick and should not exceed roughly 3/4" of each tray's surface area.

## **DRYING**

**Drying time varies according to the meat, fruit or vegetable type, size of pieces, and tray load. Rotating and turning the trays helps insure more even drying. Food will dry faster if round vent holes on top of lid are open.**

Before testing foods for desired dryness, remove a handful and allow sample to cool for a few minutes. Warm or hot foods seem softer, more moist, and more pliable than when they are cooled.

Foods should be dry enough to prevent microbial growth and subsequent spoilage. Properly dried jerky is chewy and leathery. Dried vegetables should be hard and brittle. Dried fruits should be leathery and pliable. For long-term storage, home dried fruits will need to be drier than commercially dried fruits sold in grocery stores.

## **PACKING AND STORAGE**

Fruits cut into a wide range of sizes should be allowed to "sweat" or condition for a week after drying to equalize the moisture among the pieces before placing in long term storage. To condition, place fruit in a non-aluminum, non-plastic container and put in a dry, well-ventilated and protected area. Keep away from moisture.

Dried foods should be thoroughly cooled before packing. Package in small amounts so that food can be used soon after containers have been opened.

Pack food without crushing into clean, dry, insect-proof containers. Glass jars or resealable plastic freezer bags make good containers. Metal cans with fitted lids can be used if the dried food is first placed in a plastic bag.

Your dehydrated food should be checked about once a month. Should you find mold growing on a piece of the dried food, scrape it off and then pasteurize the contents.

To pasteurize the contents, spread food on a cookie sheet and bake in an oven for 15 minutes at 175 degrees Fahrenheit. Repack in a clean, air-tight container.

## RECONSTITUTING FOODS

Not all dehydrated foods need to be reconstituted. Some fruits are preferable in their dried form. Most vegetables taste better when reconstituted.

To reconstitute vegetables for cooking, merely wash product in clean water, then place in an amount of cold, unsalted water and cover. Soak 2 to 8 hours. If possible cook in same water used for soaking. Add more water if necessary. Bring to a boil then reduce heat to simmer until just done. Add salt as desired at end of cooking time. Salt slows down the reconstitution process. As with fresh products, over cooking will diminish flavor and texture. To reconstitute vegetables like carrots, soak in ice water or soak in water in the refrigerator.

Dried foods can be reconstituted by soaking, cooking, or a combination of both, and will resemble their fresh counterparts after reconstitution. Remember dried foods are unique and should not be expected to resemble a fresh product in every respect.

Drying does not render the food free of bacteria, yeasts, and mold. Spoilage could occur if soaking is prolonged at room temperature. Refrigerate if soaking for longer than 1 to 2 hours.

To conserve nutritive value, use the water remaining after soaking and cooking as part of the liquid needed in recipes.

One cup of dried vegetables reconstitutes to about 2 cups. To replace the moisture removed from most vegetables, barely cover them with cold water and soak 20 minutes to 2 hours. Cover greens with boiling water. To cook just bring vegetables to a boil and simmer until done.

A cup of dried fruit reconstitutes to about 1 1/2 cups. Add water just to cover the fruit; add more later if needed. One to eight hours is required to reconstitute most fruits, depending on fruit type, size of pieces, and water temperature. Hot water takes less time. Over-soaking will produce a loss of flavor. To cook reconstituted fruit cover and simmer in the same water they were soaked in.

### **Tips for optimum maintenance of nutritional value**

- Blanch for the correct length of time
- Pack dried foods properly and store in a cool, dry, dark place
- Check dried foods periodically to see that moisture has not been reabsorbed
- Eat dried foods as soon as possible
- Using liquid remaining after reconstitution in recipes

## HELPFUL TIPS AND REMINDERS

**Always use fresh, quality food and wash everything before starting to dehydrate**

1. **Best results are achieved when the quality of the food is high.** Select ripe produce in good condition. Bad food may give an off-flavor to the entire lot.
2. **Clean produce is important.** Wash thoroughly, remove soft or spoiled areas, slice and pre-treat if necessary. Be certain that your hands, cutting utensils and food preparation areas are also clean.
3. **Produce may be shredded, sliced or diced.** Slices between 1/8" to 1/4" is usually a good size for efficient drying.
4. Drying times are affected by the size of the load, thickness of the sliced produce, humidity of the air, and the moisture content of the food itself. **You can expect a variation in the drying times.**
5. **Be sure to let the produce cool before testing for dryness.** To test for dryness, cut a piece open - there should be no visible moisture inside. Fruits tend to dry leathery and vegetables dry brittle.
6. **Trays may be loaded with foods barely touching but not overlapping.**
7. **About 6% to 10% of the moisture may remain in foods without danger of spoilage.** Many dried foods will have a leathery consistency, rather like licorice.
8. **Blanching** (immersing briefly in boiling water) **is advisable for vegetables to inactivate the natural enzymes responsible for undesirable color changes.** Also, it facilitates quick dehydration and reconstitution. In some cases, blanching is necessary to crack the skins of fruits like plums to allow moisture to escape during the dehydration. Otherwise, the skins may harden while the fruits remain too moist in the center.
9. **It is necessary to rotate the trays every few hours** (depending on the model you have). Just move the bottom trays up and top ones down and turn to right or left. See diagrams on pages 8-9.
10. **When correctly dried, the majority of your fruits and vegetables will be soft and pliable after dehydration** - without any damp spots. Peaches, pears, figs and dates will be pliable and leathery. Berries, rhubarb, and apples will be more brittle.
11. **To remove seeds or pits from prunes, grapes, cherries, etc., dehydrate about half way - then pop seeds out.** This prevents juice from dripping out.



## MOST IMPORTANT

The Food Dehydrator has two vents (adjustable lid vents and base vents) in order to maintain adequate circulation while dehydrating. Do not operate with lid or bottom vent blocked or closed at any time, as this will interfere with proper airflow.

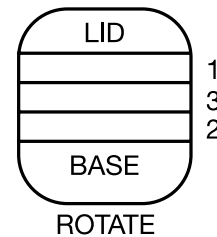
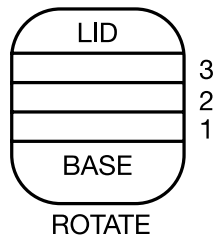
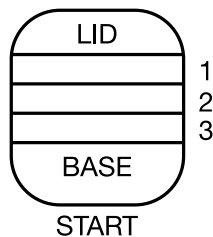
Occasionally check to see if your food is dehydrated. Your Food Dehydrator is designed to rely on natural heat convection to carry away moisture from the food. The thickness of your cuts, the moisture content of the food and the relative humidity are all factors in drying.

Do not use oil sprays on the trays.

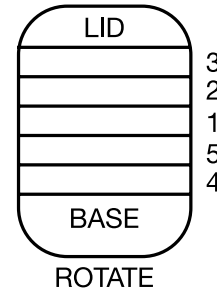
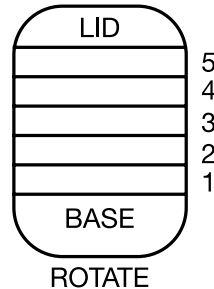
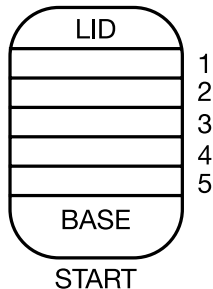
Trays nearest the bottom are exposed to the hottest, driest air and food on them will dry more rapidly. So it is important to rotate the location of the trays during dehydration. Simply move trays as shown in the following diagrams. Also turn each tray a quarter turn sideways to help insure more even drying.

### ROTATING THE TRAYS (rotate trays every couple of hours)

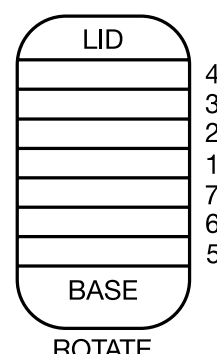
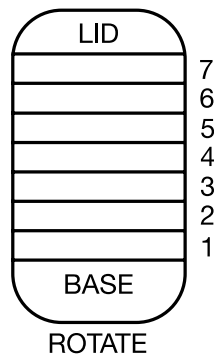
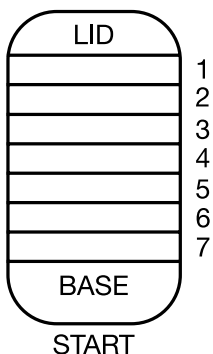
#### 3 TRAY ROTATION



#### 5 TRAY ROTATION



#### 7 TRAY ROTATION (additional trays available for purchase)



## JERKY RECIPES FOR MEAT AND FISH

Normally raw meat is used for jerky. However, cooked meat as well as raw meat may be dehydrated for later reconstitution. Cut meat to size for recipes before dehydration. You'll find that meat is much easier to work with when it's cut to size before it is dehydrated and becomes crispy.

**USE CAUTION when making jerky from raw chicken or turkey due to food borne bacteria, like salmonella, that may be present in the poultry when you purchase it.**

It is extremely important that both raw chicken and turkey not exceed 1/4" thickness. Marinade must thoroughly permeate the meat (soak for 10 minutes). Do not pat dry or remove any of the marinade sauce. Make absolutely sure that you follow all instructions precisely. Do not consume any food that tastes, smells or looks improper, especially jerky. Wash hands and utensils well.

It is recommended that raw meat be boiled/blanched at 160°F before dehydrating.

**Raw Meat For Beef Jerky:** Any kind of beef is good for making Beef Jerky. The secret is to trim off all of the fat before slicing. In many cases, your local supermarket butcher will slice the selected meat for you free of charge. We suggest meat be sliced about 1/8" - 1/4" thick. If meat is slightly thicker, increase marination time.

Marinate using the recipe below, or one of our Ronco Jerky Marinades. Add crushed chili pepper if you like it hot. Marinate the meat for 5-10 minutes. Thicker cuts of meat will need to marinate considerably longer. It is important that the marinade permeate the meat thoroughly.

Place one layer of meat on each tray. If you like slightly thicker slices, then increase the drying time accordingly. Store in clean jars with tight lid or use resealable plastic storage bags.

### **Easy Homemade Jerky from Ground Meat using the Jerky Kit**

To make jerky from ground meat, choose 80% to 90% lean meat. Beef, venison, buffalo and turkey are the most popular choices. Ground meat jerky is easier to make, dries faster, and is less expensive. It is also easier to chew than jerky slices. You can use any of the jerky recipes or create your own seasoning. Mix your marinade or seasoning well and form into strips by using the included Jerky Kit. Extrude onto trays and dry.

# GREAT JERKY RECIPES

## Classic Marinade For Beef, Fish or Turkey Jerky

Makes enough for 4 pounds of meat

1/2 lb brown sugar	3 cups soy sauce
Spices of your choosing	1/4 cup liquid smoke (optional)

Mix ingredients in bowl and let stand while you are cutting the meat. Place beef, fish or turkey into the bowl of marinade, secure lid and let stand about 10 minutes. Shake bowl and turn bowl every few minutes to cover all pieces equally. Drain in sieve or colander. Place on trays and dehydrate. Turn and rotate trays every few hours. Drying time is about 1-1 1/2 days depending on the thickness of the slices.

## Chinese Jerky Marinade

Makes enough for 4 pounds of meat

1/4 cup light soy sauce	3/4 tbsp ginger fresh, minced
2 1/4 tbsp honey	3/4 tbsp red pepper, crushed
2 1/4 tbsp dry sherry	3/4 tbsp sesame oil
3 large cloves garlic, minced	Dash white pepper

Combine ingredients and rub thoroughly into sliced meat. Marinade overnight. Place on trays and dehydrate. Turn and rotate trays every few hours. Drying time is about 1-1 1/2 days depending on the thickness of the slices.

## Blue Ribbon Jerky Marinade

Makes enough for 4 pounds of meat

1/2 cup dark soy sauce	1/2 tsp onion powder
2 tbsp worcestershire sauce	1/2 tsp garlic powder
1/4 tsp powdered ginger	1/4 tsp Chinese 5-spice powder
1 tsp monosodium glutamate (optional)	

Combine ingredients and rub thoroughly into sliced meat. Marinade overnight. Place on trays and dehydrate. Turn and rotate trays every few hours. Drying time is about 1-1 1/2 days depending on the thickness of the slices.

### **Hot & Tangy Jerky Marinade**

Makes enough for 4 pounds of meat

1 tsp salt	2 cloves crushed garlic
1/4 tsp cracked pepper	2 tbsp steak sauce
1/4 tsp cayenne pepper	3 tbsp worcestershire sauce
1 tsp onion powder	1/2 tsp paprika

Combine ingredients and rub thoroughly into sliced meat. Marinade overnight. Place on trays and dehydrate. Turn and rotate trays every few hours. Drying time is about 1-1 1/2 days depending on the thickness of the slices.

### **Wisconsin Jerky Marinade**

Makes enough for 4 pounds of meat

1/4 cup soy sauce	1/2 tsp garlic powder
1 tbsp worcestershire sauce	1/2 tsp onion powder
1 tbsp steak sauce	1/2 tsp fresh ground black pepper
1 tsp liquid smoke	1/2 tsp fresh ground sea salt

Combine ingredients and rub thoroughly into sliced meat. Marinade overnight. Place on trays and dehydrate. Turn and rotate trays every few hours. Drying time is about 1-1 1/2 days depending on the thickness of the slices.

### **Hawaiian Jerky Marinade**

Makes enough for 4 pounds of meat

1 tsp salt	1 crushed garlic clove
1 tsp ground ginger	1/4 cup pineapple juice
1 tbsp brown sugar	1/4 cup soy sauce
1/4 tsp pepper	1/8 tsp cayenne pepper

Combine ingredients and rub thoroughly into sliced meat. Marinade overnight. Place on trays and dehydrate. Turn and rotate trays every few hours. Drying time is about 1-1 1/2 days depending on the thickness of the slices.

## DRYING TABLE FOR FRUITS & VEGETABLES

The times given are approximate. Your drying times will vary with room temperature, humidity, moisture content of the food, how thinly the food is sliced, how many trays you are using, and personal preference.

Keep vents open completely when drying moisture heavy foods like watermelon, close vents slightly when drying low moisture foods like carrots. If you notice moisture build up on the lid open the vents to allow moisture to escape.

The presence of natural juices in food will also vary. Some fruit sugars tend to be stickier than others.

### ALWAYS THOROUGHLY WASH FOOD BEFORE DEHYDRATION

Fruit	Preparation	Dryness Test	3-5 Tray
Apples	After paring, core, slice into rings and dip in pretreatment solution for 2 minutes. Drain and arrange on tray.	Pliable	1 - 1 1/2 days
Apricots	Dry in halves and turn inside out or cut into quarters. Pre-treat to help retain color without penetrating skin of fruit.	Pliable	2 - 2 1/2 days (3 trays max)
Artichoke Hearts	Slice hearts into 1/8" strips, boil in 3/4 cup water with 1 tablespoon lemon juice for 5 to 8 minutes.	Brittle	1 - 1 1/2 days
Asparagus	Cut into 1" pieces. Tips are best. Stems crushed after drying make an excellent seasoning.	Brittle	1 - 1 1/2 days
Bananas	Remove peel; cut into 1/8" thick slices or use whole.	Crisp	1 1/2 days
Beans (Green or Wax)	Cut either French-style or cut into 1" pieces. Blanch by steaming until translucent. Stir beans on tray after partial drying. For more even drying, rearrange inside beans to the outside of the tray.	Brittle	1 1/2 days
Beets	Trim off all but one inch of tops and roots. Blanch, cool, remove tops, skin and roots. Dice or slice.	Brittle dark red	1 - 1 1/2 days
Berries	Strawberries may be sliced in 3/8" Leave other berries whole. Bathe wax-coated berries in boiling water.	No visible moisture	1 - 1 1/2 days

Fruit	Preparation	Dryness Test	3-5 Tray
Brussels Sprouts	Cut sprouts from stalks, cut in half length wise through stem.	Brittle	1 - 1 1/2 days
Broccoli	Trim and cut as usual. Steam until tender - 3 to 5 minutes.	Brittle	1 - 1 1/2 days
Cabbage	Trim. Slice into strips 1/8" thick.	Leathery	1 day
Carrots	Select young tender roots. Steam until tender. Cut into slices, shreds, cubes or strips.	Leathery	1 - 1 1/2 days
Cauliflower	Separate into flowerets. Place in 2 quarts of water (with 3 table-spoons salt) for 3 minutes. Steam until tender.	Leathery	1 - 1 1/2 days
Celery	Separate stalks from leaves. Cut stalks into 1/4" slices. Leaves dry first, so remove when dry. Flake leaves after drying, for use in soups, stews, etc.	Brittle	1 - 1 1/2 days
Cherries	Do not stem until ready to prepare. Pitting is optional, or pit when 50% dry.	Leathery but sticky	1 - 1 1/2 days
Chives	Chop - spread on tray	Brittle	1 day
Corn	Remove husks, silk and blemishes just before steaming. Blanch on cob until milk is set. Cut from cob & spread over tray. For even drying, stir kernels several times.	Brittle	1 - 1 1/2 days
Cranberries	Chop for flakes or leave whole.	No visible moisture	1 - 1 1/2 days
Cucumber	Pare and cut into 1/8" slices	Leathery	1 - 1 1/2 days
Eggplant (all Squash)	Trim, wash and slice 1/4" to 1/2" thick, and spread on tray.	Brittle	1 - 1 1/2 days
Garlic	Separate into cloves, remove outer skin. Slice, grind or process for seasoning after drying if desired.	Very brittle	1 - 1 1/2 days
Grapes Seedless (raisins)	Remove stems and place whole grapes on tray. Parchment paper liners may be used to avoid juices dripping in base of dehydrator.	Pliable & Leathery (3 days leathery)	1 - 1 1/2 days (2 trays max)
Greens (Spinach, Kale, Chard, Turnip, Beet)	Trim tough stems. Steam until wilted, not soggy. Use bottom tray of dehydrator but be careful not to scorch.	Very brittle	1 day

Fruit	Preparation	Dryness Test	3-5 Tray
Mushrooms	Select mushrooms with cap curling under-these are young and tender. Wipe off with damp paper towels or brush gently to remove dirt.	Leathery to brittle depending on size.	1 - 1 1/2 days
Nectarines	No need to peel. Halve and remove pit. Cut in 1/4" slices and arrange on tray.	Brittle	1 1/2 - 2 1/2 days (3 tray max)
Onions and Leeks	Peels and cut into 1/2" slices or nuggets, or chop. Stir several times during drying.	Leathery	1 - 1 1/2 days
Okra	Use young pods. Trim and cut into 1/4" circles.	Leathery	1 - 2 days
Orange Rind	Peel in long strips and dry. Do not grate until ready to use.	Brittle	1 - 1 1/2 days
Parsley	Tear into small pieces, dry, then chop if desired.	Brittle	1/2 - 1 day
Parsnips	Same as carrots.	Leathery	1 - 1 1/2 days
Peaches	Remove peel during dehydration if desired. Pit when 50% dehydrated. Halve or quarter, with cup side up	Pliable & Leathery	1 1/2 - 2 1/2 days (3 tray max)
Pears	Peel, remove core and woody tissue. Cut into slices or rings, halves, quarters or eighths.	Pliable & Leathery	1 1/2 - 2 1/2 days (3 tray max)
Peas	Use only tender sweet varieties. Shell and blanch 3-5 minutes.	Brittle	1 - 1 1/2 days
Peppers (Green and Pimentos)	Halve, remove seeds. Cut into 1/4" strips or rings. May also be chopped. Powdered dried pimentos is Paprika.	Brittle	1 - 1 1/2 days
Hot peppers	Always wear rubber gloves to protect your hands when handling hot peppers. Wash and dry whole peppers and arrange on tray to dry.	Leathery	1 - 1 1/2 days
Persimmons	Use only ripe fruit. After washing, remove cap and cut in 3/8" slices.	Pliable	1 - 1 1/2 days
Pineapple (fresh)	Remove core, cut in slices or wedges or chunks.	Pliable	1 - 1 1/2 days
(canned)	Drain and pat dry. Place on trays.		
Potatoes	Peeling optional. Slice 3/16" to 1/4", or dice, grate, cut French Fry style. Steam as for beets.	Leathery Brittle	1 - 1 1/2 days 1 1/2 days

Fruit	Preparation	Dryness Test	3-5 Tray
Plums	Cut in half and remove pits.	Pliable	1 1/2 - 2 1/2 days (3 tray max)
Pumpkin & Hubbard Squash	Bake or steam small pieces until tender. Cut into strips 1 to 3 inches wide, peel and remove pulp. Slice strips 1/2" thick. Scrape pulp, place in blender to puree. Dry with paper towels.	Leathery	2 days
Rhubarb	Use only tender stalks. Wash, cut in 1" lengths.	No visible moisture	1- 1 1/2 days
Rutabagas	Same as carrots, but slice thin.	Leathery	1-1 1/2 days
Tomatoes	Remove stems. To remove skin, dip briefly in boiling water then peel. Cut in halves or slices.	Leathery	1 - 2 1/2 days (max 3 trays)
Turnips	Same as carrots but slice thin.	Leathery	1-1 1/2 days
Zucchini	See eggplant.	Brittle	1-1 1/2 days

## **DRIED OR RECONSTITUTED FRUITS AND VEGETABLES CAN BE USED IN A VARIETY OF WAYS:**

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Use dried fruit for snacks at home, on the trail, or on the ski slopes. Use pieces in cookies or confections.

Serve reconstituted fruit as compotes or as sauces. It can also be incorporated into favorite recipes for breads, gelatin salads, omelettes, pies, stuffing, milk shakes, homemade ice cream and cooked cereals.

Add dried vegetables to soups and stews or vegetable dishes. Use as dry snacks or dip chips.

Include reconstituted vegetables in recipes for meat pies and other main dishes, as well as in gelatin and vegetable salads.

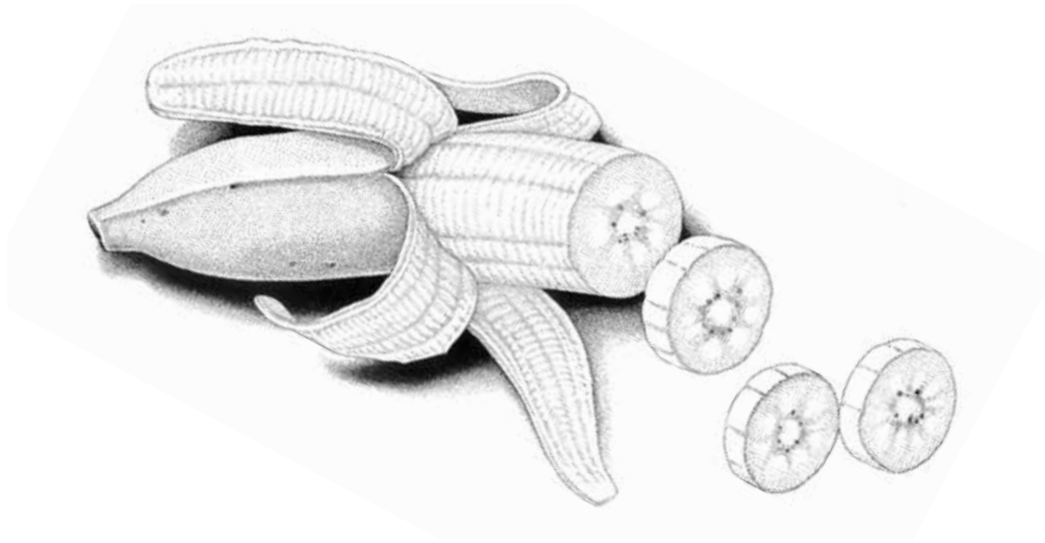
Powdered vegetables in the dried form make a tasty addition to broths, raw soups, and dressings.



## FRUIT RECIPES

### Glazed Banana Cinnamon Chips

Slice Bananas into lemon juice or ascorbic acid. Drain on paper towel. Arrange on tray. Sprinkle with a mixture of sugar and cinnamon. Dry to shiny crispness.



### Honey Glazed Banana Chips

Slice bananas and dip into a glaze of 1/4 cup honey thinned with 1/4 cup water. Drain and place on trays. Dry.

### Dried Candied Fruits

Rinse fruits or fruit rinds and cut into thin strips. Simmer slowly in a solution of approximately 2 cups water and 2 cups sugar for 1 1/2 hours. Test for tenderness. Place on trays and dry until pliable. Cool and store in air tight containers. Use for snacks or in cooking.

### Fruit Compote

Combine any or all of the following dried fruits in whatever amounts you desire. Soak overnight or for several hours in enough water to cover. Add honey or sugar if desired, and grated dried lemon or orange peel or a few sticks of clove.

Apples  
Bananas  
Apricots  
Pineapple

Peaches  
Plums  
Nectarines  
Rhubarb

Strawberries  
Mangos  
Kiwi



### Spiced Peach Pie

Soak 1 1/2 cups dried peaches in the refrigerator overnight. Then stew until soft (about 45 minutes). Chop peaches. Add a mixture of:

1 1/2 tablespoon cinnamon	2 tablespoons flour
1/2 cup white or brown sugar	4 tablespoons melted butter
2 tablespoons water	1/8 teaspoon salt

Add mixture to peaches and stir lightly. Pour into unbaked pie crust, cover with top crust. Bake 35 to 45 minutes until golden brown at 350°F.



### Apple Pie

2 cups dried apples	1 tablespoon butter
1 cup sugar brown or white	1 teaspoon cinnamon
1/4 teaspoon salt	1/4 teaspoon allspice
2 tablespoons flour	1 tablespoon butter
1 double pie crust recipe	1/4 teaspoon mace

Reconstitute apples by adding just enough water to cover the apples. More water can be added if necessary. Soak for about four hours. Over-soaking will produce a loss of flavor.

Sift dry ingredients together and mix with the rehydrated apples. Line pie pan with pastry. Fill with apple mixture, dot with butter and cover with top crust. Bake at 450°F 15 minutes; reduce temperature to 350°F and bake 45 minutes longer. Makes one 9-inch pie.

## VEGETABLE RECIPES

### Vegetable Soup

2 cups dried beef, diced (optional)    8 cups water  
1/2 cup diced dried onions                Salt & Pepper to taste  
1/2 cup diced dried carrots                1/4 teaspoon sage  
2 tablespoons chopped dried parsley    1/4 cup dried peas  
1/2 cup pearl barley                          1 cup dried tomatoes  
1 cup dried diced potatoes  
1/2 cup dried chopped celery and crushed celery leaves

Put meat and vegetables in soup pot, cover with cold water. Bring almost to a boil, reduce heat and simmer for four to six hours until vegetables are tender. One hour before soup is done add dried diced potatoes. Season to taste.

### Scalloped Potatoes

4 cups dried, sliced or grated potatoes    1 cup milk  
2 cups boiling water                        1/2 teaspoon salt  
1/2 teaspoon dried onion                    1 teaspoon butter  
1 1/2 cups grated cheddar or mozzarella cheese

Place half the potatoes in well-buttered 8 x 10 baking dish. Top with layer of half the cheese. Cover with remaining potatoes. Add seasonings to milk and pour over layered potatoes and cheese combination. Dot with butter and top with remaining cheese. Bake at 350°F until tender.

### Creamy Corn

Soak corn in sufficient milk to cover. Simmer about 1/2 hour or until tender. Stir in enough flour or cornstarch to thicken slightly. Season to taste with salt, butter, pepper, and/or seasoned salt.

### Zucchini Chippers

Before drying, sprinkle zucchini slices lightly with sesame seeds and garlic salt. Serve plain as a nutritious snack or with a dip or ranch dressing.

### Salad Spikers

Combine the following dehydrated vegetables:

1/2 cup onions                                  1/2 cup tomatoes  
1/2 cup carrots                                1/2 cup bell pepper

When they are dry and crunchy, chop into tiny pieces and add:  
1/4 cup roasted sunflower seeds and 1 tablespoon of basil or oregano

Mix thoroughly and sprinkle about 1 teaspoonful on salads. Add your favorite salad dressing and toss. Store unused portion in refrigerator to preserve crispness.

## TRAIL TREATS



### Quick Energy Snacks

- |                        |  |
|------------------------|--|
| 4 cups rolled oats     | 1 cup chopped dates<br>or dried apricots |
| 1 cup brown sugar      | 1/2 cup raisins (dried grapes)           |
| 1 cup dry roasted nuts | 1 1/2 cups coconut flakes                |

Mix all ingredients together thoroughly in resealable plastic bags for munching on hikes and camping trips.

### Homemade Granola

Less expensive, tastier and fresher than the store-bought variety - and this granola is fun to make!

- |                                  |                                       |
|----------------------------------|---------------------------------------|
| 5 cups rolled oats               | 1/2 cup brown sugar,<br>firmly packed |
| 1/2 cup wheat germ               | 1/2 cup honey                         |
| 1/2 cup dried apple, chopped     | 1/2 cup sesame seeds                  |
| 1 cup raisins (dried grapes)     | 1 teaspoon vanilla                    |
| 1/2 cup chopped dates            | 1 teaspoon cinnamon                   |
| 1 cup pecans or almonds, chopped |                                       |

Mix all ingredients together until evenly distributed. Spread out on dehydrator tray lined with cheese cloth or use the Ronco Herb Screen (sold separately). Dry until crispy, then store in an air-tight container or in resealable plastic bags. Great for breakfast, lunches, snack or a topper over ice cream and yogurt.

# FOOD DEHYDRATOR CLAY

For Arts, Crafts & School Projects • Hobbies Gifts • Holiday  
Ornaments • Decorations Rainy Day Fun

Wreaths

Napkin Rings

Photo Frames

Christmas Trim

Ornaments

Fun Jewelry

Dolls

Figurines

Centerpieces

Name Tags

Candle Holders

Child Hand Prints

Dog Prints

Magnet Arts

Pins

Toys

Miniatures



## **Food Dehydrator Clay**

2 cups flour  
1 cup salt  
1 cup water

Mix flour and salt together, then add water. Blend mixture by hand. Knead by hand 2 or 3 minutes into a pliable, moist ball.

Roll dough on a well-floured surface, adding flour to the top of the dough so it will not stick. Keep surface well-floured as you roll and turn dough. Cut into shapes or make figurines and then dry.

## **Holiday Ornaments**

Roll dough thin - as you would a cookie. Use cookie cutters for designs. Make extra ornaments to use as testers. You'll break the testers to see if dough is completely dry all the way through.

Sprinkle a little flour on the dehydrator trays and place ornaments (not touching each other) on the trays.

Dehydrate for 2-2 1/2 days. You really can't over-dry them. Be sure your testers break with a snap and are completely dry inside.

1. Roll dough as smoothly as possible.
2. Remember not to make ornaments/art too tall. They must fit within the tray height without touching the next tray on the top.
3. Paint with craft paint after dehydrating or color dough with food coloring prior to molding. Clear spray helps preserve your crafts.

## **Mexican Dough Art**

2 cups baking soda                      1 1/4 cups cold water  
1 cup cornstarch

Combine ingredients in pan. Cook, stirring continuously, for about 5 minutes or until mixture thickens and forms into a ball. Knead by hand until smooth. Form into jewelry, figurines, small sculptures, beads or art. Dry in your food dehydrator and paint, if desired. Finish by spraying with a clear plastic to seal and protect.

## Herbs

Most herbs dry overnight. You will have about one pound of dry herbs for every eight pounds of fresh herbs. Dried herbs retain their flavor best if they are crushed just before using. Home dehydration saves a lot of money. Dry chives, oregano, basil, dill, rosemary, thyme, parsley, mint, peppers and almost any herb you can find.

## Herb Teas

Many of your garden herbs can be dried in your Food Dehydrator and stored in air-tight containers for use throughout the year to make delicious, healthful herb teas. Use the leaves and flowers (but not the course stems) of most herbs like chamomile, mint, strawberry, sage, blackberry, blueberry and others. It is simple and economical with the Food Dehydrator. Just steep the dried leaves in a teapot and strain.



## Sachets And Potpourri

Now you can save the beauty of spring and summer and enjoy the sweet-smelling plants you have in your flower and herb garden with the Food Dehydrator all year long. Select petals or small pieces of the flower and place them loosely on the fine mesh tray and place them in your Food Dehydrator. When perfectly dried (about five hours) store the petals in decorative containers or sachet bags that close with a ribbon. You can sprinkle the petals with spices such as powdered cinnamon, whole cloves, a bit of dried rosemary or mint for variety. It is best to keep the container closed until all of the fragrances have blended. Then during the winter months the room can have the smell of springtime. A small sachet bag may be placed in your drawers to provide a nice lingering fragrance for years.



### **Fruit Rollups or Fruit Leather**

Select fruits such as peaches, strawberries, bananas, apples, etc. Puree with a kitchen blender or food processor and add a little fruit juice. Sweeten to taste with sugar, honey or fruit juice.

Pour the puree onto the Ronco Fruit Rollup & Liquid Tray Insert (sold separately) or cover an entire tray with plastic food wrap. Be sure to cut out the middle hole to allow the hot air to circulate up through the center of the trays.

Although you can use 3 trays for making 3 giant roll ups, we recommend you use only 1 or 2 trays at a time. Rotation of the trays is necessary for the fruit roll up to cure properly.

Dehydrate for 1-1 1/2 days with the standard models. Drying times will vary with moisture content and humidity.

To release, pull off the dried "Rollup" from the plastic food wrap or the Ronco Fruit Rollup & Liquid Tray Insert and serve.



## **IMPORTANT NOTICE**

Your Food dehydrator has a vent on its top and may have another vent on the bottom depending on the model. Do not operate with top or bottom vent blocked or closed at any time as this will interfere with proper air flow. Do not use oil sprays on the trays.

## **ONE YEAR LIMITED WARRANTY**

Ronco, warrants to the original purchaser-owner of this new product that it is free from defects in materials and workmanship for one year from documented date of purchase. We will repair or replace any part of the product, which in our opinion is defective, provided the product has not been abused, misused, altered or damaged after purchase. Use according to directions. This warranty gives you special legal rights and you may have other rights which vary from state to state. Should a defect develop within a year of normal use, you may return it for repair or replacement.

**For part replacements please call Customer Service at 1-800-486-1806 or contact us on the web at [www.Ronco.com](http://www.Ronco.com)**

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