Ask an Expert // Give Beets a Chance



LIVEWELLUTAH

Take home some beautiful red beets next time you're at the Farmers Market or grocery store. Read on to find out the many nutritional benefits of beets and get some tips on how to prepare them.

When it comes to eating beets, there are those who love them and those who… well, don't. If you are in the group of beet lovers then you probably already have a favorite way to prepare them and use them in side dishes or salads. Other readers may need some convincing before taking steps to include beets in their diet.

Good For You

One of the best reasons to develop a taste for these bright red root vegetables is because they are a good source of folate which helps in the manufacturing of red blood cells and other genetic cells throughout the body. Beets are also a good source of the mineral manganese needed for normal body growth and health. Calcium and potassium are other beneficial nutrients found in beets. Of course, Calcium is known to strengthen bones and teeth. Older adults also rely on the help of calcium-rich foods and supplements to ward off osteoporosis. Potassium works to keep blood pressure low helping the heart to function efficiently.

Color and Texture

Another reason to use beets is because they add beautiful color and texture to salads. Before slicing or beets for a salad, the outer skin or peel must be removed. It can be removed while the beet is raw but it will be to your advantage to slip on food handler gloves to avoid staining the skin on

your fingers. Most find it easier to roast or boil the beets before peeling.

Beet Greens

Don't give in to the temptation to discard beet greens. Beet greens are actually grown for use in commercially-bagged salads. They can be exchanged for Swiss chard or spinach in your own creative salad. The reddish veins in the leaves break up all the shades of green normally found in salads. To preserve the crispness of home grown beet greens, they should be harvested, washed and refrigerated quickly in a breathable plastic bag and then used within the next two-three days. Beet greens are nearly ready for harvest is most parts of Utah. Start looking for them at local farmer's markets if you don't have any in your garden.

Beet greens are a great source of lutein, an antioxidant that helps protect the eyes from age-related macular degeneration and cataracts. The greens also contain a wide variety of phytochemicals that may help actually improve the health of your eyes and nerve tissues.

Preserve for Later

Maybe fresh beets aren't appealing to your palate. If that is the case, perhaps consider the benefit of having preserved beets as part of your home food storage. Home canned beets are good to have on hand to cut or shred for soups, salads and other side dishes such as borscht and gazpacho.

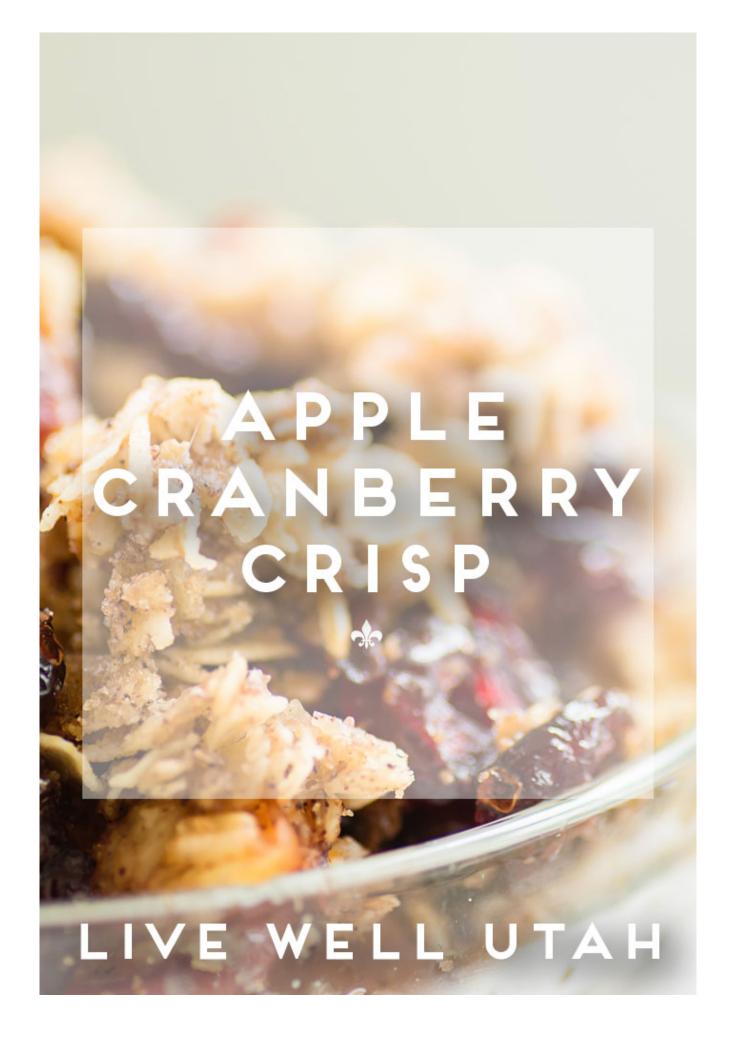
For approved recipes to use for home preservation of beets, contact your local USU Extension Office or visit the National Center for Home Food Preservation. There you will find recipes for whole, cubed or sliced beets, as well as pickled beets.

More About Beets

- The color of beet roots can range from dark purple to bright red, yellow, and white. When cut transversely, the roots show light and dark rings, sometimes alternating.
- The Chioggia beet is red and white-striped, and nicknamed the "candy cane" beet.
- Beet juice is widely used as a "natural" dye to give pink or red coloration to processed foods.
- Beets have the highest sugar content of any vegetable.
- Small beets (about a half-inch in diameter) are good for eating raw. Medium and large-sized beets are best for cooking. Very large beets (more than three inches in diameter) may be too woody for eating.

Kathleen Riggs is the Utah State University Extension family and consumer sciences professor for Iron County. Questions or comments may be sent to kathleen.riggs@usu.edu or call 435-586-8132.

Family Mealtime // Apple Cranberry Crisp



Families who eat together have overall healthier diets, but that doesn't mean that you can't indulge in a sweet treat every now and then at end of your family meal. There are three healthy, delicious dessert recipes in the Live Well Utah Cookbook, Family Mealtime Edition. Today we're sharing one of them- Apple Cranberry Crisp. This is a perfect dessert for autumn, as local apples are in season and abundant at farmers markets.

Apple Cranberry Crisp

Filling

- 5 cups apples, peeled and thinly sliced
- 1 cup dried cranberries (or other dried fruit)
- 1 teaspoon sugar
- 1/2 teaspoon cinnamon

Topping

- 1/2 cup quick cooking rolled oats
- 2 tablespoons brown sugar
- 2 tablespoons whole wheat flour
- 1/2 teaspoon cinnamon
- 1 tablespoon butter, melted

Preheat oven to 375 degrees Fahrenheit.

in a 2 quart baking dish, combine apples and cranberries. Sprinkle with sugar and cinnamon, and toss to coat.

In a small bowl, combine oats, brown sugar, flour, and cinnamon. Using a fork, cut butter into topping mixture until crumbly. Sprinkle topping evenly over apple filling. Bake for

September is National Family Mealtime month. Each Friday this month we'll be posting on that topic — specifically from the Live Well Utah Cookbook, Family Mealtime Edition. This publication is available for free at your local Extension office, or available digitally here. It features some great tips on the importance of family mealtime and meal planning, plus 21 quick, inexpensive, and nutritious recipes that are sure to please even the pickiest eaters.

Dutch Oven 101



Cooking in a Dutch oven can be fun, but you can't just load your dirty Dutch oven into the dishwasher when the cooking is done. Follow these directions to properly clean and store your Dutch oven.

Dutch Oven 101: Cleaning

Clean out food residue using cooking oil and paper towels. Add warm soapy water, and wash using a dish cloth or sponge with an abrasive back. Rinse and dry Dutch oven thoroughly, and wipe off all surfaces with a paper towel to remove any remaining dirt, ash or water (including the bottom and the lid). Coat all surfaces of the oven with cooking oil, starting with the inside. Wipe off any excess oil, replace lid on Dutch oven, and store for the next use. If oil inside oven becomes rancid, wash it with warm soapy water and repeat directions above before using.

Dutch Oven Hummingbird Cake

This Southern cake is traditionally topped with cream cheese frosting and chopped pecans. Try this dutch oven version alongside vanilla or butter pecan ice cream.

- 3 cups flour
- 2 cups sugar
- 1 teaspoon salt
- 1 teaspoon baking soda
- 1 teaspoon cinnamon
- 3 eggs, beaten
- 1 1/4 cups water
- 1/2 cup vegetable oil
- 1 1/2 teaspoons vanilla

- 1 8-oz. can crushed pineapple
- 1 cup pecans, chopped
- 1 cup banana, mashed

Combine dry ingredients in large mixing bowl. Add eggs and oil, and mix until just moistened. Stir in remaining ingredients. Spread batter evenly in 12" dutch oven that has been greased and coated with flour. Bake at 350 degrees fro 50-60 minutes (8-10 coals on bottom, 14-20 on top).

Farm to Table Dinner

Is your mouth watering for Dutch oven flavors? Come to the Farm to Table Dinner at the USU Botanical Center on September 15. Renowned Dutch oven chef Blaine Scott will prepare a delicious dinner of roast beef, cheesy potatoes and Mexicanstyle street corn. A seasonal fruit cobbler will be served to complete the meal. Save your place at the table and buy tickets here.











5:30 - 6:30 PM | Cost: \$18 | Registration required: goo.gl/XwC3F7

Using local produce, well-known Dutch oven caterer Blaine Scott will prepare a delicious dinner of roast beef, cheesy potatoes and Mexican-style street corn. A mouthwatering fruit cobbler will be served to complete the meal.



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Read more on Dutch oven cooking and find recipes here.

Ask an Expert // Shelf-life of Home Preserved Foods



You've had those bottled peaches from Grandma for two years now — are they still good? Are they safe? Find out just how long you can keep home-preserved foods in your pantry.

A common question at USU Extension offices usually goes something like this, "There was a good buy on boneless, skinless chicken breasts this week so I bought 40 lbs. and now I want to can it. How long will it stay good in the jar on the shelf?" Before answering this question for readers, let's consider the following basic information about home food preservation.

Canning is an important, safe method of food preservation if practiced properly. Home food preservation generally involves placing foods in jars and heating them to a temperature that destroys microorganisms that could be a health hazard or cause the food to spoil. Processing times and temperatures are scientifically determined and must be followed exactly to assure not only quality but safety of these home preserved foods.

So, back to the question about shelf-life.... With the prevalence of emergency and disaster preparedness education, at least in Utah, families obviously want to build up their food storage for the proverbial "Rainy Day." This is a good practice so long as it is also practical.

Many dry goods (wheat, sugar, dried beans, etc.) have an excellent shelf-life when stored in air-tight containers and are wonderful to have on hand as part of a basic food storage supply.

On the other hand, home preserved fruits, vegetables and meats should be treated differently. Instead of asking how long a home-preserved food will last, a better question is, "How much

chicken will my family use in 1 to 2 years?" When foods are preserved at home, it is true that families can control the quality of the food and to some degree how much additional sugar and salt are added. We cannot, however, duplicate the ultra-high temperatures or fast field-to-jar (or can) process commercial manufacturers use.

To ensure the home preserved food on pantry shelves are at ultimate quality, food should be rotated on a regular basis and not stock-piled for several years. After as few as two short years, foods will begin to darken or lose firmness. Does that mean they are no longer safe to eat? No. It does mean that the nutritional value is decreasing and will eventually be good to eat only for added calories. In other words, the food may fill you up but you won't reap much in the way of vitamins or minerals.

A few additional tips for optimizing quality of home-preserved foods come as follows from the National Center for Home Food Preservation (nchfp.uga.edu):

- If lids are tightly vacuum sealed on cooled jars, remove screw bands, wash the lid and jar to remove food residue; then rinse and dry jars. Label and date the jars and store them in a clean, cool, dark, dry place. For best quality, store between 50 and 70 F. Can no more food than you will use within a year.
- Do not store jars above 95 F or near hot pipes, a range, a furnace, in an uninsulated attic or in direct sunlight. Under these conditions, food will lose quality in a few weeks or months and may spoil. Dampness may corrode metal lids, break seals and allow recontamination and spoilage.
- Accidental freezing of canned foods will not cause spoilage unless jars become unsealed and re-

contaminated. However, freezing and thawing may soften food. If jars must be stored where they may freeze, wrap them in newspapers, place them in heavy cartons, and cover with more newspapers and blankets.

The satisfaction of having shelves full of high-quality foods preserved at home is nearly always seen as worth the time, money and effort by those who participate in home canning. Take the time to determine how much food is actually necessary and preserve only that much using tested and approved recipes. This will help minimize waste, offer nutritious foods and provide an on-going sense of self-reliance.

Kathleen Riggs is the Utah State University Extension Family and Consumer Sciences Professor for Iron County. Questions or comments may be sent to kathleen.riggs@usu.edu or call 435-586-8132.

Family Mealtime // How to Get Kids Involved



September is National Family Mealtime month. Each Friday this month we'll be posting on that topic — specifically from the Live Well Utah Cookbook, Family Mealtime Edition. This publication is available for free at your local Extension office, or available digitally here. It features some great tips on the importance of family mealtime and meal planning, plus 21 quick, inexpensive, and nutritious recipes that are sure to please even the pickiest eaters.

Getting Kids Involved

Involving children in meal planning and cooking at a young age is a great way to instill a love for delicious, homemade food! Here are some ideas on how to include kids of all ages in the kitchen. Remember to choose age appropriate jobs and keep safety in mind at all times.

Ages 2-5

Meal Planning:

- Color coordinate fruits and vegetables
- Circle foods they would like in store advertisements
- Help cut coupons
- Choose one meal they would like

Grocery Shopping:

- Point out fruits and vegetables from the grocery list
- Choose a new fruit or vegetable to try

Cooking:

- Pour premeasured items into bowl to mix up
- Tear up lettuce for a salad
- Rinse off fruits and vegetables

Ages 6-10

Meal Planning:

- Help make a list of meals they like
- Look at USDA's MyPlate diagram and come up with one meal following the diagram
- Choose fruits and vegetables to put on the side of the main courses

Grocery Shopping:

- Read the list to parent and cross items off as they are put in the cart
- Choose a new fruit or vegetable to try

Cooking:

- Measure ingredients and put them together with parent's help
- Toss a salad
- Knead dough
- Put together sandwiches

Ages 11-18

Meal Planning:

- Look up three new recipes on social media
- Create a 3-day menu using USDA's MyPlate as a reference for a complete meal

Grocery Shopping:

- Take a portion of the list and retrieve those items
- If old enough to drive, do a small grocery trip on own
- Keep track of the money saved each week

Cooking:

• Run the show as head chef! Put together a full meal and recruit family members to help as needed

"Mom, What Can I Eat?" // Nutritious After-school Snack Ideas

TIOU LIVE WELL UTAH All family members can benefit from planned healthy snacks. Planned snacks provide more nutrition and energy for work, growth, learning and play.

Prep Your Pantry

Build a weekly snack menu and that "what is there to eat?" question won't be heard as often.

Here are a few snack ideas that can add good nutrition to your family's diet.

- Fruits and berries
- Low fat chips and salsa
- Grape tomatoes and vegetables
- Frozen banana chips
- Low fat yogurt smoothies
- Cereal mix
- Whole grain crackers and breads
- Applesauce and cottage cheese
- Graham crackers
- Mini pizza on English muffin or pita
- Low fat cheese
- Low fat pita and hummus
- Fruit juice pops
- Light popcorn
- Ants on a log (stuffed celery)

Fruit Peanut Butter Pizza

- 1 pizza crust
- 1 cup peanut butter
- 3 sliced bananas
- 34 cup raisins or dried cranberries
- ½ cup chopped apples

Bake crust according to package directions. Spread peanut butter on crust and add the fruits. Bake at 350 until the peanut butter melts.

This article was written by Carolyn Washburn, Utah State University Extension associate professor, carolyn.washburn@usu.edu.

Ask an Expert // 7 Foods You Shouldn't Can at Home

Canning is a great way to preserve the bounty of summer, but beware! Not all foods are safe to can at home.



Did you know that the USDA has tested and approved many recipes to preserve foods at home? There are many foods you can bottle safely at home, as long as you follow USDA-endorsed recipes and procedures. Some unique foods include grapefruit and orange sections; cantaloupe pickles; pie fillings such as apple, mincemeat and green tomato; chicken, venison and fish; hot sauce and ketchup; a variety of soups and many more. See the USDA Complete Guide to Home Canning for recipes and procedures.

Have fun trying out a new safe, USDA-endorsed safe recipe in your kitchen this season. But remember, the possibilities are not *quite* endless.

Be aware that there are many foods that cannot be bottle safely at home. Why is that? One reason is that home kitchens are limited. A boiling water canner or a steam pressure canner can only get so hot. Heat is one element that is needed to kill micro-organisms that could spoil your food. A higher temperature needed for low-acid foods (like vegetables, beans and meat) is only achieved at home through a steam pressure canner.

Some foods or recipes have not been tested, or have been

tested and have not been found to be safe. In some instances, the lack of approved canning recipe is due to poor quality. Here is a list of some common foods that are **not** safe to can and **not** safe to consume.



What Not to Can at Home

Butter

That's right, butter. In some emergency preparedness sections of stores, you might see canned butter in a tuna-fish size can. But don't get too excited to go home and melt butter into a jar just to stick it on your food storage shelves. For now, canning butter using any method is not recommended. Some methods are dangerous, at best; others are not backed up by science. Why can butter when it freezes so easily?

Hydrated Wheat Kernels (aka wheat berries)

Wheat is a low-acid food that is susceptible to botulism if trapped in a low-acid, low-oxygen, room-temperature environment. In addition, the starch in wheat may interfere with the heat penetration during canning. Insufficient processing can result in botulism food poisoning. Instead of canning, store wheat dry until used, or if hydrated, refrigerate up to several days. You may also hydrate a batch and freeze in usable portions.

Quick Breads (e.g. banana, zucchini, pumpkin)

This idea likely started when people started baking quick breads in canning jars to create a nice round loaf. However, placing a lid and ring on the jar to create a vacuum seal as it cools does not kill botulism-forming organisms that grow in warm, moist, anaerobic conditions. These items should be either baked fresh and served or frozen. Read more here.

Dried Beans (pinto, kidney, etc.)

To safely can dried beans, they must be hydrated first (usually 12 to 18 hours) and then brought to a boil for 30 min. Hot beans are then placed into hot jars for processing. It is not safe to put dry beans covered with water into a steam pressure canner for processing.

Fresh Homemade Salsa

There are many delicious salsa recipes to enjoy with your fresh garden produce, but these are not formulated for canning. Remember that canning recipes are scientifically studied to account for enough acid and/or processing time to keep the food safe. Fresh salsas are not formulated for

canning. According to the National Center for Home Food Preservation's Salsa bulletin, "Improperly canned salsas or other tomato-pepper combinations have been implicated in more than one outbreak of botulism poisoning." Keep you and those consuming your salsas safe. Keep fresh salsas fresh, or freeze. Don't experiment with canning your favorite fresh salsa. Find tips on canning salsas safely here.

Garlic, Vegetable or Herb-Flavored Oils

While these make beautiful gifts, infused oils have the potential to support the growth of *C. botulinum* bacteria, which grows into botulism food poisoning. These are best made fresh for use and not left at room temperature.

Pickled Eggs

There are NO home canning directions for pickled eggs. There are some recipes for storage in the refrigerator, but in order to avoid botulism, do not leave at room temperature, except for serving time, and do not attempt to bottle for food storage.

This article was written by Melanie Jewkes, Utah State University Extension associate professor, Salt Lake County

Source: https://extension.usu.edu/files/publications/publication/FN_Food_Preservation_2009-01.pdf

Garden Tomato Salsa

GARDEN TOMATO SALSA



LIVE WELL UTAH

Did you know Live Well Utah sends out a weekly newsletter? Each week we feature a list of quick tips, a recipe and an article — all sent directly to your inbox! Today we're sharing a salsa recipe from a recent newsletter. If you like what you see, sign up to receive the newsletter here.

Summer is drawing to an end, but gardens are in full-swing production this time of year. If you find your countertops overflowing with red, ripe tomatoes, try this fresh salsa recipe to put them to good use. Don't have your own garden tomatoes? Check out our Farmers Market Roundup to find local produce near you!

Garden Tomato Salsa

- * 4-5 medium or large tomatoes
- * 1/2 red onion
- * 1 jalapeno
- * 1 medium avocado
- * 1 can corn
- * 1 can black beans
- * 1/2 bunch fresh cilantro
- * juice of 2-3 limes
- * salt to taste

Finely dice tomatoes, onion, jalapeno and avocado, and add to a large bowl. Omit jalapeno ribs and seeds for milder salsa. Drain and rinse corn and beans, and add to bowl. Chop cilantro and add to bowl, along with lime juice and salt, to taste. Expert tip: use scissors to quickly snip up cilantro. Enjoy with chips, as a topping on chicken or fish, or on a southwestern-style salad.

Ask an Expert // Back to School Stain Removal Tips



Keep your kids looking sharp for school with these tips on removing stains.

Ever looked at your kids' new school clothes after school and wondered what happened? Kids can get all kinds of stains on their clothes while playing and learning at school. Here are some common stains, and how to treat them.

Airplane glue: Saturate area with pretreatment laundry stain remover (aerosol types work better on greasy stains). Wait 1 minute for product to penetrate the stain. For stubborn stains, rub with heavy-duty liquid detergent. Launder immediately. If color stain remains, soak/wash in chlorine bleach if safe for fabric, or in oxygen bleach. For extra heavy stains, apply dry cleaning solvent to back of the stain over absorbent paper towels. Let dry, rinse. Proceed as above.

Blood: Soak in cold water if fresh. If dried, pretreat with prewash stain remover, liquid laundry detergent, liquid detergent booster or paste of granular laundry product and water. Launder using bleach safe for fabric. Old stains may respond to soaking in enzyme product.

Felt tip marker: Saturate area with pretreatment laundry stain remover (aerosol types work better on greasy stains) Wait one minute for product to penetrate the stain. For stubborn stains, rub with heavy-duty liquid detergent. Launder immediately. If color stain remains, soak/wash in chlorine bleach if safe for fabric, or in oxygen bleach. For extra heavy stains, apply dry cleaning solvent to the back of the stain over absorbent paper towels. Let dry, rinse. Proceed as above.

Grass stains: Sponge the stain with alcohol and let dry. Sponge with cool water. Work liquid detergent into the stained area. Rinse with water. Let dry. Soak in mixture of 1 quart warm water and 1 tablespoon enzyme product for 30 minutes. Rinse thoroughly. Launder in hot water with chlorine bleach if fiber content and fabric permit.

Mud: Soak for 15 minutes in mixture of 1 quart lukewarm water, 1/2 teaspoon liquid hand dishwashing detergent and 1 tablespoon white vinegar. Rinse. Sponge with alcohol, using light motions from center to edge of stain. Soak for 30 minutes in 1 quart warm water with 1 tablespoon enzyme presoak products. If color stain remains, launder in chlorine bleach if safe for fabric, or in oxygen bleach.

Washable ink: Treat stains as soon as possible after staining. The older the stain, the more difficult to remove. Use these steps before laundering a washable garment. Stains that are laundered and dried are almost impossible to remove. Soak for 15 minutes in mixture of 1 quart lukewarm water, 1/2 teaspoon liquid hand dishwashing detergent and 1 tablespoon white vinegar. Rinse. Sponge with rubbing alcohol, using light motions from center to edge of stain. Soak for 30 minutes in 1 quart warm water with 1 tablespoon enzyme presoak products. If color stain remains, launder in chlorine bleach if safe for the fabric or in oxygen bleach.

Crayon (a whole load of clothes): Scrape excess crayon with blunt knife. Wash in hot, soft water with soap (such as Ivory) and 1/2 cup baking soda for 10 minutes. If stain remains, work soap paste into stain. Wash 5 minutes. Rinse. To remove remaining color, use bleach or color remover that is safe for fabric.

School glue: Saturate area with pretreatment laundry stain remover (aerosol types work better on greasy stains) Wait 1 minute for product to penetrate the stain. For stubborn stains, rub with heavy-duty liquid detergent. Launder

immediately. If color stain remains, soak/wash in chlorine bleach if safe for fabric, or in oxygen bleach. For extra heavy stains, apply dry cleaning solvent to the back of the stain over absorbent paper towels. Let dry, rinse. Proceed as above.

Stain Removal Reminders

Treat stains as soon as possible. The longer the stain remains in the clothing, the harder it is to remove. Stain removal should be done before laundering washable items or drying them. Stains that are laundered and dried are nearly impossible to remove.

More tips available here.

This article was written by Marilyn Albertson —USU Extension Associate Professor, Salt Lake County.

Ask an Expert // Four Tips for Dealing with Problem Soil

ASK AN EXPERT: ASK AN EXPERT: PROBLEM SOIL

LIVE WELL UTAH

The condition of the soil often dictates success or failure in the landscape. Before spending money on trees and plants, be sure your soil is suitable for planting.

Consider these tips for dealing with four common soil problems.

1. Rocky soil:

Rocky soil is usually fine for growing plants, but rocks make digging or cultivating difficult. It is better to get rid of surface rocks where turf and garden areas will be. Be innovative with the removed rock. Are there areas where rock mulch can be used to suppress weeds and conserve water? Will retaining walls be built? In the worst situations, it may be necessary to garden in raised beds or to bring in topsoil. If topsoil is used, add a minimum of 6 inches.

2. Soil is too hard to dig:

During the summer, it is common for soil to become too hard to dig or cultivate. This is difficult for new homeowners without an irrigation system who are trying to create a landscape. In many areas, secondary irrigation water is stubbed into the yard. Try installing a temporary hose bib into the stubbed secondary water. This allows a hose-end sprinkler or drip hose to be used to moisten the soil and make it more amenable to digging or cultivating. If this is not possible or if secondary water is not available, prudent use of culinary water may be needed to moisten the soil.

3. Clay soil:

Those with clay soil often have difficulty getting water to penetrate the soil without it running off. If possible, amend with 2-3 inches of quality compost (not peat moss) 6 inches deep before planting. This will break it up and begin the process of creating quality topsoil. It may take 5-10 years of doing this before noticing improved soil quality. One irrigation management technique is to break irrigation events into segments spread out over a few hours to allow water to better penetrate the soil. When fertilizing turf, make half applications twice as often to avoid runoff of the nutrients. If other options haven't worked, it may be best to use raised-bed gardening.

4. Compacted soil:

Excessive foot or vehicle traffic can compact soil. This destroys soil structure and does not allow water to penetrate. More frequent hollow tine aeration can help with minor to moderate compacted soil. In extreme situations, soil ripping is needed. If the soil is ripped or if the problem can be alleviated before planting, start by incorporating 2-3 inches of quality compost as deeply as possible. If the area continues to see heavy traffic, install pavers or flagstone to alleviate re-compacting the soil.

Soil testing is a helpful way to learn about specific soil characteristics and prevent potential problems. The Utah State University Analytical Laboratory offers soil analysis. A routine test gives phosphorus and potassium levels; pH; salinity and the soil texture (clay, sand, silt, loam, etc.). Visit http://www.usual.usu.edu/ for more information.

This article was written by Taun Beddes, Utah State University Extension horticulturist, 801-851-8460, taun.beddes@usu.edu.