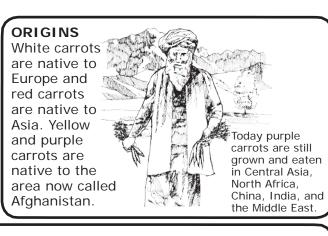
CARROTS Science Page

DID YOU KNOW? The first carrots were not orange. In the 1500s, the Dutch bred purple carrots with yellow carrots to develop the first orange carrots.





CLASSIFYING CARROTS

THE CARROT PLANT

years.

Year 1

During the

root grows.

It is ready

depending

upon the variety

to harvest in

70-150 days,

first year, the

The carrot plant lives for two

tabroot



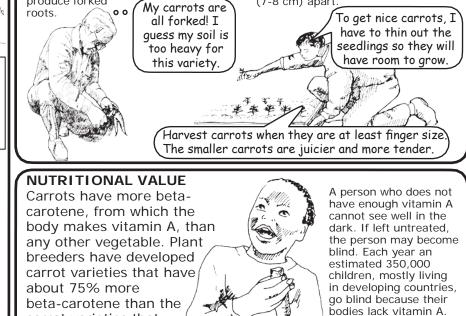
GROWING AND HARVESTING CARROTS

Plant carrots in spring in cooler climates and in fall in hotter climates. Prepare the soil well! Most varieties like deep, loose, well-drained soil. If planted in heavy soil, carrots may produce forked

carrot varieties that

existed 25 years ago.

Sprinkle the seeds in rows spaced about 12 to 18 in. (30-46 cm) apart. After they come up, thin them to one inch (2.5 cm) apart. When the tops grow thicker, thin to about 2-3 in. (7-8 cm) apart

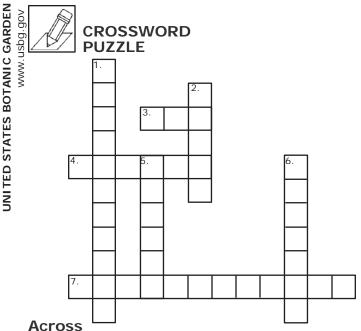


UNITED STATES BOTANIC GARDEN



Year 2 If not picked the first year, the root over winters. The next year, the carrot plant uses the stored food in the root to send up a flower stalk. Flowering wild carrot has small white roots and is common along roadsides in much of the U.S.





- Across
- 3. Carrots live for _____ years.
- 4. Genus name for carrots.

7. Orange carrots have more _____ than any other vegetable.

Down

- 1. Purple and yellow carrots are from
- 2. Carrots should be planted in _____ soil.
- 5. Species name for carrots.
- 6. Carrots belong to this family.

" QUOTE

"What did the carrot say to the wheat? Lettuce rest, I'm feeling beet." Shel Silverstein

> Down: 1. Afghanistan; 2. loose; 5. carota; 6. Apiaceae. Across: 3. two; 4. Daucus; 7. beta-cartene. mg pronocong of oromoups

MORROCAN CARROT SALAD

Yield: 5-6 servings

Carrot salad is a traditional dish in North Africa and the Middle East. In Israel it is eaten at the Jewish New Year. It is a symbol of a sweet and fruitful year to come.

Ingredients

- * 1 pound (0.9 kg) carrots, grated
- * 1/4 cup (60 ml) vegetable oil
- * 3 to 4 tablespoons (45-60 ml) fresh lemon juice
- * 1/4 cup (60 ml) chopped fresh parsley
- * 2 to 4 cloves garlic, finely chopped
- * 1/2 teaspoon (2.5 ml) ground cumin
- * 1/4 teaspoon (1.25 ml) ground cinnamon
- * 1 teaspoon (5 ml) sweet paprika
- * Pinch of salt
- * 1/4 to 1/2 teaspoon (2 ml) cayenne (optional)



A Rainbow of Carrots

Today, most people around the world eat orange carrots, but that was not always true. A thousand years ago, people in Afghanistan ate vellow and purple carrots, and Europeans ate yellow ones. In India people still prefer red carrots.

People all over the world may soon be eating a rainbow of colorful carrots, thanks in large part to scientists at the University of Wisconsin. For several years, they have been cross breeding carrots from all over the world to develop new carrot varieties that come in many different colors. These new varieties make very colorful dishes, but that is not the main reason they are being developed.

You may have heard that one way to get enough nutrients is to eat vegetables with different colors. In the case of carrots, this is true. Nutritionists have discovered that each different color variety of carrot contains a different nutrient that your body needs. For example, orange carrots are high in beta carotene, which you need for healthy eyes and seeing in the dark. Red carrots are high in lycopene, which protects you against heart disease and some cancers. Purple carrots contain powerful antioxidants that grab and hold harmful chemicals in your body that can cause aging and disease. Yellow carrots are high in lutein, which prevents eye diseases.

If you see these new colorful carrots in your food market, give them a try! They make surprisingly colorful and tasty dishes, and they are good for you, too!

Source: Peabody, Erin. "New Carrots Offer Colorful Surprises - and Health Benefits." U.S. D.A. Agricultural Research Service. November 15, 2004. <http://www.ars.usda.gov/is/pr/2004/041115/htm>

Instructions

In a large bowl, mix together all the ingredients. Cover and let marinate in the refrigerator for at least 2 hours or up to 2 days.