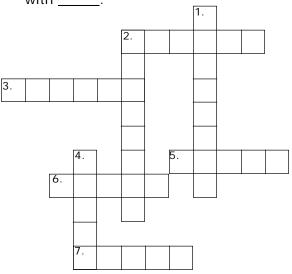




Across

- 2. Papalo is a member of the Asteraceae
- 3. The species name for papalo, ruderale, means "growing in _____."
- 5. Because cooking destroys the flavor, use only _____ leaves.
- 6. Pick papalo leaves when they are _____ for a milder flavor.
- Papalo leaves are used to flavor _____
 Down
- 1. You can use papalo from cooking instead of this herb.
- 2. Papalo cannot survive _____ temperatures.
- 4. The genus name Porophyllum means "leaves with _____."



SALSA CRUDA (RAW SALSA)

Here is a tasty salsa to serve with tacos or

* 6 medium-sized tomatoes, finely chopped

* handful of papalo leaves, finely chopped

Mix the following ingredients together:

* 1/2 cup (more or less to taste) finely

chopped whole chilies

1 teaspoon salt

* 1/3 cup finely chopped onions

SPOTLIGHT ON RESEARCH

Papalo chemicals may help ward off insect attacks

The oils secreted from glands in papalo leaves

give the plant its spicy scent. Scientists at the University of Ottawa in Canada wanted to find out if these oils play a role in defending the plant against insect attack. The glands that secrete the oils have openings, or pores, that are very large. The scientists were able to insert a micropipette through the pores and into the glands to extract the oil. They put these oils on the larvae of European corn borers and measured their growth rate. They discovered that the oils from the glands alone did not affect growth rate of the larvae. However, when the oils were combined with other compounds also found in papalo leaves, the larvae did grow slower. This suggests that perhaps someday scientists can use the compounds in papalo to make pesticides.

Source: Guillet, G., Bélanger, A., and Arnason, J.T. (1998). Volatile monoterpenes in Porophyllum gracile and P. ruderale: identification, localization and insecticdal synergism. <u>Phytochemistry</u> 49, 423-429.



GUACAMOLE

You can add papalo to guacamole. Serve guacamole with tortilla chips and tacos, or as a vegetable dip.

Ingredients

- * 1/2 onion, finely chopped
- * a handful of papalo leaves, finely chopped
- * 1/2 teaspoon chili powder
- * 1 avocado
- * 1 tablespoon lemon juice

Instructions

1. Cut the avocado in half lengthwise. Use a spoon to remove the pit and scoop out the flesh of the avocado. Throw the skin away.

- 2. Add lemon juice, which keeps the avocado from turning brown.
- 3. Mash all the ingredients together with a fork.



tortilla chips.

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