

Fall/Halloween Garden Trivia

How many types of apples do you think there are in the world? There are 7,500 varieties worldwide, but 2,500 are grown in the U.S. Only 15 varieties account for 90% of the total U.S. apple production.

How many have you tried? Pink lady, Braeburn, Honey Crisp, Granny Smith, Red Delicious, Gala, Fuji?

What variety of apples do we grow here? Fuji (as of October 2017)

What kind of nutrients are found in pumpkins? Cooked pumpkin has potassium which can give you energy after a hard workout. Pumpkin seeds can help boost your mood because they give you serotonin from the amino acid tryptophan. Pumpkins also have vitamin C, which boosts your immune system and helps your skin to heal (like after a scrape) and vitamin A which helps your eyesight.

How do you eat your pumpkin? Seeds, muffins, bread pie

Can you find 10 different types of flowers in the garden? Which are your favorite?

How long does it take to for the red wiggler worms (*Eisenia fetida*) to make compost at TMA? 4-6 weeks

Why do we compost? To fertilize the plants at TMA and make them grow better, instead of using fertilizer; to reduce waste that goes to landfills, which helps our environment. Food in a landfill decomposes to form methane gas, a greenhouse gas that traps heat in the atmosphere.

Do you know the name of a worm that likes to crawl through gardens? Night crawlers. The three kinds of nightcrawlers are the European nightcrawlers (*Eisenia hortensis*), African nightcrawlers (*Eudrilus eugeniae*), and the Canadian nightcrawlers (*Lumbricus terrestris*). European nightcrawlers are related to red wigglers (*Eisenia fetida*). **When do you think they like to come out?** At night

How do earthworms breathe? Lacking lungs or other specialized respiratory organs, earthworms breathe through their skin.

Can you find the plant in the garden that looks like elephant ears? Their real name is Colocasia. **What are some of the best types of plants to grown in the fall in the garden?** Spinach, cabbage, broccoli, radishes...what else to you see planted in our garden?

Did you know they [spiders] are arachnids and not insects? Spiders are a member of the arachnid class and have two body segments, eight legs, no wings or antennae and cannot chew because they lack jaws. Scorpions, mites and ticks are also arachnids. Insects have three main body parts (head, 3-segmented thorax usually with six legs, and the abdomen).

Resources:

U.S. Apple Association www.usapple.org

<http://ir.library.oregonstate.edu/xmlui/bitstream/handle/1957/23949/em9034.pdf> (for Composting with Worms)

<https://unclejimswormfarm.com/types-of-nightcrawler-worms/> (for nightcrawlers and composting)

<http://www.kidzone.ws/lw/spiders/facts01.htm> (spider vs insect)

<https://www.britannica.com/animal/arachnid> (for arachnids --- spiders)

Post cards in the garden, gently putting the stick into the ground (see photos).

To minimize chaos, give each student a number (e.g. 1, 2, 3, etc.).

Ask Student #1 to lead the group to the first card. #1 finds, reads, answers or asks the group to help answer the question.

Then move to Student #2.

Repeat until all the cards are found.

