

SPLASH INTO EXTENSION

Winter Watering

It's hard to think about our plants in the winter months. It is even harder to realize that they are still alive and sometimes need care in the winter months. Once plants go dormant for the year many people believe that they need nothing until spring, but that isn't always the case, especially in years with low or no snow or rain throughout the winter months.

Visit

<https://water.unl.edu/article/awns-gardens-landscapes/winter-watering> for details.

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What's the Deal with Smelly Water?

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Odors that can be compared to rotten eggs are not ideal in your home or coming from your drinking water faucet. Sulfates, which are a combination of sulfur and oxygen, are naturally occurring minerals. They are found in some soil and rock formations where groundwater is also found. Bacteria that feed on sulfur can produce hydrogen sulfide gas which is the primary offender when it comes to odor.

Sulfates and hydrogen sulfide gas in drinking water are generally considered “nuisances” meaning they do not pose serious risks to human health. Elevated concentrations of sulfates can cause dehydration in small children or serve as a mild laxative for adults. However, most often people become acclimated to those levels and any issues tend to be minimized.

Hydrogen sulfide emits the rotten egg odor and at extremely high concentrations can cause people to become light headed if they are exposed to the gas for extended periods of time in a small confined area (i.e. a shower). However those instances are extremely rare. Occasionally the odor can actually come from a hot water heater if the magnesium corrosion control rod present in many hot water heaters interacts with sulfates in the water to form hydrogen sulfide gas.

Perhaps the largest challenge with these nuisance elements for the majority of people are that they can cause black sludge to form in pipes, water softeners and water fixtures in your home. This can also result in stains on clothes or other light colored linens in your home.

If you suspect you may have sulfates or hydrogen sulfide in your private water supply the first step is to have the water tested to determine the concentration of both elements in your water supply. There are several treatment options you can use to address sulfates or hydrogen sulfide. Treatments include distillation, reverse osmosis, activated carbon filtration, oxidizing filters, and de-aeration. More information about each treatment option as well as sulfates and hydrogen sulfide can be found at: water.unl.edu/category/drinking-water.