

Must Have Products for All Plant Owners

This is a list that we have compiled that covers a lot of what Iowa has to offer. It is impossible to diagnose/treat everything, but if the products on this page have been tried first it limits the possibilities substantially.

- **Root & Grow Fertilizer** – This product is recommended to everyone who is planting or transplanting any plant. Root & Grow stimulates early and strong root formation, reduces transplant shock, and promotes greener, more vigorous plants. We recommend applications of Root & Grow every 30 days through out the 1st and 2nd growing season, or longer.

Directions – Apply 2 ounces of product per gallon of water. Use appropriate amount per plant (Ex. 5 gallon bucket of water for a tree = 10 oz of Root & Grow).

- **Osmocote** – A perfect slow release fertilizer for yearly applications in Iowa. Osmocote is fortified with 11 essential nutrients, and it works with virtually all plant varieties in all growing conditions. With a 6-month release time this fertilizer is perfect to put down in April/May, and still get results from it in to October. Not planting in April or May?...no problem. Osmocote has temperature released fertilizer within it, so when the temperature falls it is no longer releasing into your plant, and will likely carry some residual value to the following spring.

Directions - Sprinkle osmocote liberally around the dripline of plants. Use approximately 0.5 lbs per 15 gallon tree or 2 - 3 scoops per shrub.

- **Annual Tree & Shrub** – This preventative insecticide is perfect to use for almost any tree or shrub. The concentrate dissolves in water allowing the insecticide to move through the root zone. Once in the roots, it moves up through the tree or shrub providing protection from insects. It also provides protection for new growth. This product quickly mixes with water and should be applied by pouring within the root zone of the plant.

Tree Directions – Measure 4.5' up the trunk of the tree, at that point measure the circumference (distance around the tree). Take the circumference in inches X ounces (Ex. 8" circumference = 8 oz of product), and mix it in 1 gallon of water to be poured at the base of the tree.

- **Eight Insecticide** – With Japanese beetle infestations on the rise, this general-purpose pest control is great to use on them as well as over 100 listed bug species. Eight offers dual controls, the contact kill side gives you immediate results when spraying insects directly, while the residual activity kills insects when they return to treated areas. Eight is designed for use on vegetables, fruits, flowers, roses, ornamentals, lawns, trees, and shrubs. One application keeps working for up to 4 weeks for prolonged protection.

Directions - Product instantly mixes with water and should be applied using either a trigger spray bottle or pressure tank sprayer. Carefully read and use according to label directions.

- **Copper Fungicide** – This general purpose fungicide controls a lot of plant diseases - including powdery mildew, downy mildew, black spot, rust, and many other listed diseases. It also offers preventative protection for plants, and it is designed for use on listed vegetables, roses, fruits, nuts, herbs, ornamentals and turf. It is approved and suitable for all of your organic gardening needs, and it can even be used up to the day of harvest. This natural fungicide is designed to be safely used around people and pets.

Directions - Product instantly mixes with water and should be applied using either a hose-end sprayer or tank sprayer. Carefully read and use according to label directions.