

## Common Organic and Natural Fertilizers:

- Compost – A soil amendment with a low concentration of nutrients. partially decomposed plant material, Made with equal volumes of green plant material and naturally brown plant material. Greens are fresh, moist materials such as grass cuttings, green leaves, and fruit and vegetable scraps (avoid meats, fats, grease and animal manure). Brown materials are dry materials such as wood chips, dried leaves, dried grass, straw, and woody prunings.
- Manure (farm animal excrement – poultry, cow, goat, horse) – Use only commercially produced, and heat composted, manure. Has a high salt content.
- Bloodmeal - A dried blood product. A good source of nitrogen (12-13%N) with some P&K.
  - Cottonseed meal 6-2-1
  - Alfalfa meal 2-0-2
  - Feather meal 12-0-0
- Bonemeal - A ground bone product. A good source of Phosphorus (12-14%P with a little nitrogen).
- Green sand – 0-0-5
- Fish emulsion – Liquid fish waste product. A good source of Nitrogen (5%N with some P & K) (5-1-1).
- Fish meal – A dried ground fish product. A good source of Nitrogen (8-10%N and Phosphorous 6%P)
- Seaweed extract – A liquid kelp product Usually made from kelp. Provides trace elements. Use liquid kelp as a foliar spray. Kelp meal is a more concentrated form.
- Compost tea – Add 2 or 3 shovels full of compost into a burlap or woven mesh bag. Tie the bag securely and submerge it into a large bucket or barrel of water. Let it steep for 1 week then remove the bag. Dilute the remaining liquid until it is the color of weak tea if you plan to spray or sprinkle it directly on plants, or use it full strength to drench the ground around the base of the plants.
- Worm compost (castings) and “tea” - Applying a layer of earthworm castings around plants can add nutrients and microorganisms and may repel insect pests. Make a tea to spray on leaves or pour over plant roots.

Place 1 quart earthworm castings in a bucket and cover with 3 quarts of water. Stir mixture and let stand for 24 hours. Stir again, allow mixture to settle 5 minutes, and scoop the tea into a sprayer. Apply earthworm spray in the early morning under and over plant leaves. Stir up leftover tea and pour both water and sludge over roots of plants.
- Blended organic fertilizers - Contain 2 or more different materials which provide N, P and K. Nutrient content varies by product.