

Active Ingredients for Organic Gardens

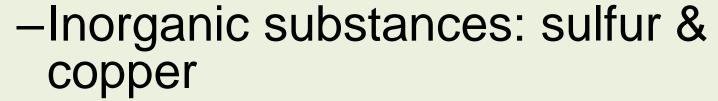
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Garden Sustainably First

- Amend the soil appropriately
- Right plant in the right place.
- Give good care
- Good garden cleanup
- A problem? Try cultural and biological controls first
- Use least-toxic pesticides as a last resort.
 Know the plant first!

Active Ingredient Types

- -Pesticides derived from plants
- -Soaps
- -Oils



- -Potassium bicarbonate
- -Pesticides derived from microbes
- -25b Products



Botanically-Derived Pesticides

- Neem Oil
- Pyrethrin
- Imidacloprid



Insecticidal Soaps

- Potassium Salts of Fatty Acids
- Kill by dehydrating soft-bodied insects







Horticultural Oils

- Called paraffinic, petroleum, or mineral oils
- Oils smother soft-bodied insects
- Newest products are highly refined and suitable for both dormant and summer use







Old-Fashioned but Allowed

- Copper
- Sulfur
- Lime Sulfur







Bicarbonates





Products Derived from Microbes

- Bacillus thuringensis
- Bacillus subtilis
- Beauvaria bassiana





Products Derived from Microbes

- Streptomyces lydicus
- Spinosad



BROWN PATCH • DOLLAR SPOT •
POWDERY MILDEW • GREY MOLD • ROOT ROT
DAMPING OFF • CROWN ROT & MORE



25B Products

- Minimum risk pesticides not required to have EPA registration
- http://www.epa.gov/pesticides/biop esticides/regtools/25b_list.htm#acti veingredients

