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
– Inorganic substances: sulfur & copper
– 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

Baking Soda

Green Cure Fungicide

For organic production

Active ingredient:

Potassium bicarbonate

Other ingredients:

Total

KEEP OUT OF REACH OF CHILDREN

Batch Code: 00909292

Sky $ 19.99

For the control of powdery mildew and other diseases on terrestrial and indoor ornamentals and garden crops, and turf
Products Derived from Microbes

- Bacillus thuringensis
- Bacillus subtilis
- Beauvaria bassiana
Products Derived from Microbes

- Streptomyces lydicus
- Spinosad
25B Products

- Minimum risk pesticides not required to have EPA registration
- http://www.epa.gov/pesticides/biopesticides/regtools/25b_list.htm#activeingredients