

DIY Insecticidal Soap

Horticultural soap is an eco-friendly way to kill insects like aphids, whiteflies, spider mites and mealybugs. They can be used on indoor and outdoor plants, including vegetables.

Directions

1. Mix well **1 cup oil** (vegetable, peanut, corn, soybean, etc.) and **1 tablespoon dishwashing liquid** or other “pure” soap.
 - Bar soap may be used by placing overnight in gallon of water. Remove bar and shake well before use.
 - Check to ensure soap does not have degreaser, bleach, or is for dishwasher use.
2. **Mix 2 teaspoons soap** mix for every **1 cup warm water**
 - Options
 - a. 1 teaspoon crushed and sieved red pepper or garlic to repel bug chewing.
 - b. 1 teaspoon cider vinegar to help remove powdery mildew.
3. Pour into spray bottle only what is needed for a one-day’s use.
4. Test on small portion of plant first to ensure it will not harm plant.
5. Apply only when cool and sunless, such as in the evening and early morning.
 - Be sure to thoroughly wet insects.
 - Effectiveness is limited when solution dries or washes away.



white flies

**Heat and bright sun with wet solution may burn leaves!
Avoid spraying at temps over 90 F. (32 C.).**

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