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Features of Plant Pro-Tec (Garlic) Units (Lawn & Garden Model)

U.S. Patent No. 5,083,708

EPA Registration No. 66190-1

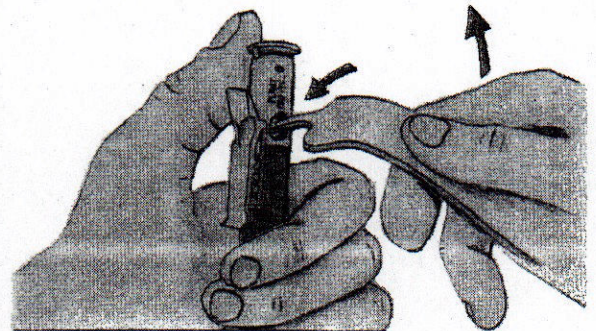
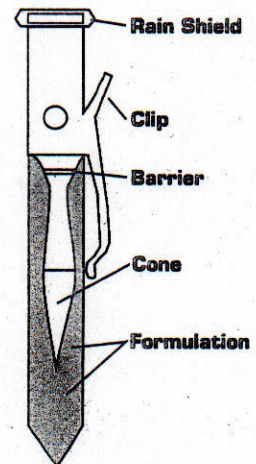
The Garlic Odor - A Known Deer and Rabbit Repellent - The repellent formulation is based on long known data that the garlic odor repels deer and rabbits.

The Plant Pro-Tec Formulation - The Formulation consists of garlic oil, chili pepper, and carriers (everything in the device is organic and edible). We use garlic oil because it is so strong - garlic oil is about 1,000 times stronger than garlic juice (1 ounce of garlic oil is equivalent to 200 pounds of fresh garlic). Hopefully the chili pepper will ensure that if an animal likes garlic, it will not take a second bite on a **Plant Pro-Tec (Garlic) Unit**.

Shelf Life of Plant Pro-Tec (Garlic) Units - Until the barrier which contains the garlic odor during storage and transport is broken, there is little garlic odor. Therefore, the shelf-life is one or more years.

Releasing the Repelling Garlic Odor - The barrier is broken with an **Odor Release Probe** (see diagram). An **Odor Release Probe** is included in each bag.

Garlic Odor is evident for 6 to 8 months - The garlic odor lasts a long time because of a cone on the inside of the device. The cone is permeable to the garlic odor but impermeable to air. In other words, the cone allows the garlic odor out but prevents oxidation of the sulfur compounds which give the garlic its repelling odor. Most animals' sense of smell is greater than ours. For example, most experts say that a deer's sense of smell is between 100 and 1,000 time greater than ours. This means that if we can smell the garlic from a **Plant Pro-Tec (Garlic) Unit** held an inch away, a deer should smell it from 100 to 1,000 inches away.



Puncture barrier to
release Garlic Odor

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Features of Plant Pro-Tec (Garlic) Units *continued*

Installing Plant Pro-Tec (Garlic) Units - In deciding on how and where to place **Plant Pro-Tec (Garlic) Units**, consider four questions: 1) How many animals are causing problems? 2) How much do they like your plants? 3) Have they damaged your plants in the past? 4) Are there other plants available to damage? **The more animals there are and the more they like your plants, the more Units you will need to protect plants.** Animals are very habitual, i.e., if they have been there before, they will be back. It is important to realize that no repellent will cause an animal to starve. Therefore, there must be other foods available besides what you are protecting.

Plant Pro-Tec (Garlic) Units should be clipped to individual plants, placed in the soil adjacent to a plant, and/or clipped to fences around areas. Units should be placed about four feet apart or closer where animal damage is intense. The number of Units to use depends on how much an animal likes the plant and/or on the animal's habits. **For example, plants such as roses may require 3 or 4 Units per bush to discourage browsing. Generally fewer units are required to prevent damage than to stop it. It is important that enough Units are put on to be successful!** We recommend that some Units be kept in reserve in case the repelling garlic odor needs to be intensified!

Although the **Plant Pro-Tec Unit** has a rainshield, we still recommend that Units be clipped on sideways or upside down to ensure no water gets in. If water gets into the Unit it will prevent the garlic odor from escaping! No garlic odor, no repellency! Because of the cone, the garlic formulation can not leak out.

Aversive Conditioning occurs when animals associate the garlic odor with the device that is made visible by the contrasting green and white colors. Because of aversive conditioning, the animal may stay away for a time even after the garlic odor is gone.

Sun's Energy Assists With The Distribution Of Garlic Odor - the dark body absorbs the sun's energy which causes the formulation to warm. As the formulation warms, the diffusion of the garlic odor through the cone increases, and therefore the garlic odor becomes stronger.

Plant Pro-Tec (Garlic) Units are packaged in bags of 25, 50, and 250 Units. **Odor Release Probes** are included in all bags.

