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BACTERIAL ENZYME FORMULA

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OG-22 is the result of over 20 years of research on the effects of bacteria on decomposing organic matter. It was learned that the odors detectable in areas such as barnyards, compost bins, and stagnant bodies of water are caused by the presence of undesirable bacteria. These bacteria live on the organic matter causing decay. Decay is an inefficient form of decomposition that releases methane, sulfur, and various other offensive gases. Ammonia is also a common odor formed where manure and other high nitrogen substances are present but certain desirable bacteria are absent. In order to prevent these gaseous odors it was discovered that the right species of bacteria are needed. Research demonstrated that "friendly" bacteria actually prevent decay of organic matter. Instead they allow such matter to decompose efficiently without releasing unpleasant odors. It was for this reason that OG-22 was developed.

Because OG-22 contains the "friendly" bacteria, offensive odors are quickly eliminated and fresh air is restored. The microbes present in OG-22 accomplish this by their ability to rapidly consume organic matter before the unwanted bacteria have a chance to work. As a result, only odorless carbon dioxide is released into the surrounding air. And OG-22 bacteria does this naturally without the use of chemicals, so no harm can come to livestock or vegetation.

**APPLICATION:**

OG-22 should be applied as a fine spray, full-strength over the affected area. One pint will cover approximately 2500 sq. ft. Stronger application will achieve quicker results but to apply one pint over an area less than 1000 sq ft. would be unnecessary. Within 3 days of application the odor should be reduced by half. This indicates the bacteria are now well established and should be active for at least 4 weeks. If not, a second application will be required. Maintenance applications vary according to sunlight, temperature, and the amount of moisture on the material. In most cases, an application of 1 pint/2500 sq. ft., every 6 to 8 weeks will be sufficient.

**RECOMMENDATION:**

In areas where livestock frequently travel, such as a pathway to and from a barn, OG-22 can be concentrated at the rate of 1 pint every 500 sq. ft over an area 2000 to 6000 sq ft. depending how many animals pass daily. In this way the material is carried out to the field on the hoofs of the livestock and will eventually cover the entire area required. The best time for applications is before a rain, cloudy day, or near sunset since the bacteria in OG-22 require 4 to 8 hours to establish themselves. These bacteria are very stable and do well up to heat of 120°.

NOTE: OG-22 is a completely non-toxic product and will not cause any harmful side effects on humans, animals, fowl, or plants. No special handling procedures are necessary. No first aid is required should accidental ingestion occur.

Formulated by Dr. Norman Easley.