



Scientific Explanation of how LazyMan™ Soil Aerator works:

LazyMan™ Liquid Soil Aerator is created via organic chemistry using natural components. It is a combination of a poly maleic anhydride terpolymer and a sulfonated maleic anhydride co-polymer that contains an even balance of the hydrophilic (water loving) and hydrophobic (water hating) molecules. The polymers are comprised almost entirely of carbon, hydrogen, oxygen, and a small amount of sulfur. The general classification would fall under polyelectrolytes, meaning polymers that have both positive and negative charges.

This terpolymer, copolymer blend has a molecular weight of nearly 20,000 and contains a substantial number of electrical charges that are distributed at a plurality of positions along its length. The hydrophilic properties are obtained from the maleic acid derivatives. The various polyelectrolytes have numerous side chains distributed along a substantial linear carbon atom molecule. One major advantage of LazyMan™ from an environmental perspective is that the product is not bioaccumulative (does not uptake into plants) and has very low toxicity.

Features and Benefits:

- Decreases surface tension between water and soil for better penetration.
- Helps to loosen hard clay soils, improving aeration.
- Activates soil organisms to improve water penetration and root growth activity.
- Conditions the soil (works best with our Soil Conditioner)
- High grade, non-ionic soil penetrant
- Bio-stimulant product with added enzymes, to stimulate microorganisms necessary for a healthy soil environment.
- Aggregates sandy soil increasing its water holding capacity
- Opens up soil pores to allow water and oxygen to better reach roots enhancing root activity.
- Reduces the need for mechanical aeration
- Keeps soil from compacting
- Can be applied any time during the growing season
- Helps reduce disease
- Breaks up hardpan and crusting

- Helps dry out wet paddocks and reduces pasture compaction
- Increases earthworm activity
- Improves rooting by loosening soil
- Improves air and water penetration
- Helps save water & reduce plant stress
- Improves drainage & prevents erosion
- Makes tillage easier & improves porosity
- Can be mixed with most herbicides and some liquid fertilizers. Works great with LazyMan™ Soil Conditioner.

Benefits to the soil:

LazyMan™ Liquid Soil Aerator is a soil penetrant that helps condition the soil. Soil that is conditioned with LazyMan™ has increased soil moisture retention, less crusting and soil compaction, improved soil aeration, and better soil structure. Soil particles treated with LazyMan™ will bond together, or aggregate, to produce balance in the soil structure.

Benefits to the turf or crop:

The strength of any turf, plant, or crop is a good foundation in the soil. LazyMan™ improves the foundation of the soil and thus has a powerful impact on turf and crop quality. LazyMan™ treated soils become loose and friable. The result is a plant with increased root mass that is more efficient in utilizing moisture and nutrient uptake. These healthy roots lead to a healthy plant and ultimately may produce higher yields.

Benefits for water:

LazyMan™ Liquid Soil Aerator helps water penetrate the soil by reducing the surface tension between the water and soil. Better water penetration reduces runoff and erosion while saving water. LazyMan™ is also formulated to increase the activity of soil microorganisms. Increased micro-organism activity improves the water holding capacity of the soil. This leads to reduced water stress and greater drought resistance.

Benefits of Biostimulant:

LazyMan™ contains concentrated biostimulants and enzymes derived from our exclusive fermentation process. These biostimulants and enzymes improve the growth and activity of micro-organisms present in the soil. Increased microbial activity in the soil helps decompose crop residue more quickly and efficiently.