

PROBIOTIC PRODUCT COMPARISONS

As environmental regulations continue to place restriction on the amount and timing of fertilizer and pesticide usage, there are microbial additives to maximize performance while reducing these inputs. Sanctuary Detonation is this type of product. Detonation is a multiple strained probiotic product with a nutritional component. This product will provide a means to reduce fertilizer amounts without jeopardizing the turf quality and soil health. This chart compares the differences between Detonation, Agricen and Holganix products.



SANCTUARY DETONATION

– PHARMACEUTICAL CULTURED BASED PROBIOTICS

- + Inoculants are derived from pure lyophilized microbial cultures
- + Organisms are grown via liquid and or solid state fermentation under aseptic, controlled laboratory conditions
- + Fermentation Standard Operating Procedures are based on pharmaceutical protocols
- + This type of fermentation process allows you to maintain consistency from batch to batch
- + Each batch is run through strict quality control Protocols (cfu counts, pathogen screen)
- + Since pure microbial cultures are utilized and entire process is run under aseptic conditions the potential for pathogen contamination is virtually nill
- + Inoculants contain BOTH microbial cultures and secondary metabolites (enzymes, organic acids, etc)



AGRICEN

– MANURE CULTURED BASED PROBIOTICS

- + Inoculants are derived from bacteria indigenous to cow rumen / feces substrates
- + Organisms are grown in large tanks inclusive of cow dung, nutrients and water all added to tank to grow out these organisms
- + Fermentation Standard Operating Procedures are NOT based on pharmaceutical protocols
- + This type of fermentation Standard Operating Procedures DO NOT allow for batch consistency. Flora & fauna in cow rumen/dung varies therefore end product varies
- + Potential for pathogen contamination (both human & plant) is high due to starting product being derived from dung



HOLGANIX

– COMPOST CULTURED BASED PROBIOTICS

- + Inoculants are derived from compost substrates
- + Organisms are grown in large tanks inclusive of compost, nutrients and water all added to tank to grow out these organisms
- + Fermentation Standard Operating Procedures are NOT based on pharmaceutical protocols
- + This type of fermentation SOP does NOT allow for batch consistency. Compost consistency varies from batch to batch therefore end product will vary as well
- + Potential for pathogen contamination (both human & plant) is high due to starting product being derived from compost

