



QuikSoil®2300 in Poultry Manure and Bio-solids

QuikSoil® 2300 is an effective management tool in both drying and composting operations where the primary or only feedstock is poultry manure. QuikSoil® 2300 is and has been used with layer manure, pullit manure, and broiler litter.

QuikSoil® 2300 is valuable in these operations for several reasons. First; a single application of QuikSoil® 2300 provides 70 - 80% reductions in odor within a few hours - a reduction that is permanent. Second, additional carbohydrates help stimulate bacterial activity. This leads to faster biological temperature increases and greater demand for nitrogen to build new cells, decreasing the amount of valuable N wasted as ammonia gas. Third, an increase in organic acids decreases pH, also reducing ammonia discharge. Fourth, the decrease in odor is largely a decrease in voc's. Maintaining these compounds in the feedstock until they are digested results in higher organic content in the finished products. Fifth, increased temperatures result in more water loss as steam during turning, resulting in desired moisture levels on fewer turns.

The methodology by which QuikSoil® 2300 works is similar in nature to QuikSoil® 2600, however, 2300 is specifically formulated for high N feedstocks such as poultry manure and sewage bio-solids.

In situations where manure value is determined by N value, QuikSoil® 2300 can become a profit making tool rather than an expense. Each ton of manure receives a single dose of QuikSoil® 2300. Depending on return to the customer, dosage rates of 3, 6, 9, or 12 ounces per ton are implemented.

Similar results are achieved when QuikSoil® 2300 is used on sewage bio-solids. Deodorization of 70 -80 % is routinely achieved, in conjunction with decreased ammonia discharge and increased N and C retention.

Feedstocks treated with QuikSoil® 2300 achieve greater stability in less time and also show higher humic acid levels than materials processed conventionally.