

PINETOP - LAKESIDE SANITARY DISTRICT

May 21, 1992

Mr. Bill Ruth Mountain Air Nursery 4681 W. Mogollon Drive Show Low, AZ 85901

Dear Mr. Ruth,

I am writing this letter as you requested, to explain our general use for the BOD test in our environmental laboratory.

Biochemical Oxygen Demand (BOD) determination is an empirical test in which standardized laboratory procedures are used to determine the relative oxygen requirements of wastewater, effluents, and polluted waters. The test measures the oxygen required for the biochemical degradation of organic material (carbonaceous demand) and the oxygen used to oxidize inorganic material such as sulfides and ferrous iron.

The method consists of placing a sample in a full, airtight bottle and incubating the bottle under specified conditions for a specific time. Dissolved oxygen (DO) is measured initially and after incubation. The BOD is computed from the difference between initial and final DO.

The Pinetop-Lakeside Sanitary District ran 15 tests for BOD during the period of February 19, through March 6th of 1992. These tests were run on our effluent, and a duplicate sample with various amounts of your concentrated product, Vita Flora, added.

The results showed that adding your product reduced our normal BOD by 5 to 11 percent, per mL of concentrate (Vita Flora), with the average being 8% per mL. As we have explained this is only one of many tests that can and should be run on your product to determine it's strengths and weaknesses.

I have enclosed a copy of our results. If you have any questions please do not hesitate to call me.

Sincerely,

Phil Hayes Laboratory Director

ROUTE #3 BOX P-LSD

LAKESIDE, ARIZONA 85929

(602) 368-5370

PINETOP-LAKESIDE SANITARY DIST, RT. 3, BOX P.LSD LAKESIDE, AZ 85929									Approved By	
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7 31	Allition Sml Com		Ш	147		1.94		3676	111	1
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22	8 Add 21 8 nl Com.		Ш	URM	1 1	36		7/70	111	1:
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