

FLYASH as a SOIL AMENDMENT for TURF GROWTH: PROGRESS REPORT

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A report was made to this committee in 1956 describing the installation of tests to determine the possible value of flyash as an amendment to sand for turf growth on roadsides. Soil was added to the sand in plot 4, and flyash in different amounts was added in plots 1, 2, and 3. Analyses indicated that the amended soils contained from 4.1 to 7.3 percent of the 200 fraction.

On April 19, 1956, 10-6-4 fertilizer was spread on all plots at a rate to furnish about 60 lb of nitrogen per acre. On June 12, 1956, ammonium nitrate was spread on all plots at a rate to furnish about 65 lb of nitrogen per acre. No other maintenance was given to this test area.

On July 12, 1956, cover on all beds was rated poor. The grass existing was predominantly *alta fescue*.

On Oct. 9, 1956, cover on the plots with the flyash amendment was rated fair or poor, with *alta fescue* predominating and some red fescue, redtop, and a trace of weeping lonegrass and weeds evident. On the plot with the soil amendment, cover was rated good, with redtop predominating and some *alta*, red fescue, and weeds evident.

The 1956 growing season was unusually favorable on Long Island, there being no long periods without rainfall adequate for turf.

With the maintenance given and under the conditions of the test, the turf cover developed on the flyash plots was considered unsatisfactory for roadsides. If flyash were to be used, the cost of supplying and incorporating it in a sand would have to be considerably lower than that for soil to warrant the additional maintenance burden and cost.