

CHAPTER 2

SOME METHODS FOR MEASURING CONCENTRATION OF AMMONIA VOLATILIZATION AFTER MANURE APPLIED IN FARMLAND

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1. INTRODUCTION

Pollution is one of the environmental problems, special air pollution. Air pollution is not the same anywhere. Different pollutants are released into the atmosphere from a wide range of sources, including industry, transport, agriculture, waste management and households.

Agricultural activities affect air quality mainly via greenhouse gas (GHG) and ammonia (NH_3) emissions. Agriculture represents the major emitter of ammonia (NH_3) and is responsible 94% of total emission in EU-28 in 2016 (Eurostat, 2017). Among all agricultural activities, livestock activities contribute considerably to NH_3 emission. Ammonia may be released into the atmosphere from basically all ammonium containing products. Livestock and especially animal manures are the most important sources of NH_3 emissions in Europe, followed by the application of min-

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