

**Performance of aroma and yield of Khao Dawk Mali 105 in some soil series
in Tung Kula Roi Hai**

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Abstract

The experiment on the aroma of rice Khao Dawk Mali 105 planting in some soil series in the Tung Kula Roi Hai were studied by collected soil samples at the depth of 0-20 cm from soil surface as well as rice seed samples and some agronomic characters of rice from the Khao Dawk Mali 105 planting areas of the Tung Kula Roi Hai. Soil samples were analysed for some important properties. Rice seed samples were cooked and the degree of aroma were tested by human smelling and classified for low medium and high aroma. The oneway analysed of mean of the aroma levels were tested for some soil properties and rice performance. The results showed that soil acidity, exchangeable sodium and soluble sodium are related with the aroma of Khao Daw Mali 105.

Keywords: salt tolerance, saline soils, rice Khao Daw Mali 105