

Extract of Neem

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Abstract: “Rice is Life” for millions of people and staple food for more than partial of the worlds’ population. The request for rice is growing with ever increasing population. At present the grain yield in rice has to be increased and the yield achieved has to be sustained. The pitch studies at Wetlands, Tamil Nadu Agricultural University Coimbatore resulted in compilation of agronomical use of neem and its by products in rice cultivation. The Wetland Farm at Cultivated College and Research Institute, Coimbatore is situated in the Western Agro Climatic Zone of Tamil Nadu at 11° North Latitude and 77° East Longitude at an altitude of 426.72 m above MSL. The properties of neem as insecticide, antifeedant, hormonal, antifungal, antiviral and nematocidal properties is well known. These activities are brought out with neem use in the form of leaves, leaf extracts, seeds, cakes, oil and fruit extracts. The neem and its products are used in seed treatment, manurial application, increasing nutrient efficiency by which the grain yield in rice crop is enhanced and its sustainability is seen in rice based cropping system. Evaluation of these products in managing the rice crop, through agronomical cultural practices at various stages of crop growth has been discussed in detail in this paper.

Keywords: Agronomical cultural practices, neem, rice

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