

## International Conference on Agricultural & Horticultural Sciences

September 14-15, 2012 Hyderabad International Convention Centre, India

## Response of Cauliflower (Brassica Oleracea var. Botrytis) to potassium fertilization on light textured soils of Rangareddy District

K. Kalyani, V. Sailaja and A. Pratap Kumar Reddy Department of Soil Science and Agricultural Chemistry, College of Agriculture, ANGRAU, India

 $\mathbf{R}_{2}$  epresentative surface soils (0-15cm) in bulk were collected from 30 locations in Rangareddy district, To find out the resonse of Cauliflower to applied K. In light textured soils of Rangareddy district, cauliflower responded significantly to potassium up to 150 kg K<sub>2</sub>O ha<sup>-1</sup>. With the increased levels of potassium the K content of curd, K uptake of curd and yield increased significantly. Sandy clay loams of Mominpet exhibited higher yield of 612.9 g whereas, sands of Emamguda soils showed the low yield of 343.0 g when 150 kg K<sub>2</sub>O ha<sup>-1</sup> was applied.

## Biography

K. Kalyani has completed her M.Sc. Ag at college of Agriculture, ANGRAU , Hyderabad. and now she is doing her Phd.

kalyani.ssac09@gmail.com