

GB Pant University of Agriculture & Technology, Pant Nagar, Uttarakhand

- **Project Name:** Studies on benefits of Mineral Gypsum on various crops in Uttranchal & U.P.
- **Principal Investigator:** Dr. Rajeew Kumar, Jr. Research Officer, Agronomy
- **Duration:** 2006 - 2009
- **Cost:** ₹ 16,87,000/-
- **Description of R&D project:**
 1. Average increased yield was noticed due to gypsum (application @ 100-125 kg/Ha.) in all the crop. This was 19.68% more over control in plains area and 14.83% more over control hills area. All the crops viz. onion, potato, garlic, mustard, spinach, rice, gram, sunflower, sugarcane, wheat, pea, lentil, maize, berseem and carrot were benefited with the application of gypsum.
 2. Soil studies revealed that lowest bulk density pH, higher organic carbon (%), nitrogen, phosphorus, potassium and sulphur (kg/Ha.) were found in gypsum treated plots as compared to control plots.
 3. Mineral gypsum should be applied in all the crops at rate of 100-125 kg/Ha by dusting before sowing of crops while in case of transplant rice crop it should be applied before transplanting of the crop.