

## Mapping of minerals in common feed resources and high yielding cattle's diet of Dantiwada taluka in North Gujarat region

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**Abstract :** Sardarkrushinagar Dantiwada Agricultural University adopted ten villages were selected for the study of mineral profile in high yielding cattle. Samples of different feeds and fodders were collected with detail information of feeding practices in area. Mineral contents of common feeds and fodders and diets of high yielding cattle under existing feeding system were studied. Green fodders and dry roughages found in area are good source of calcium while poor source for phosphorus. All the feed sources contain adequate magnesium. The requirement of Cu, Mn and Zn for potential production was calculated which was compared with actual availability of the minerals. The outcome of the study showed, that there were significant low level of Cu and Zn in diet while Mn was in good amount. To overcome deficiency of Cu and Zn, supplementation level was suggested.

**Key words :** Feed and fodder, Mineral contents, Mineral deficiency, Cattle, Supplementation

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