

Response of finger millet (*Eleusine coracana* (L.) Gaertn) genotypes to nitrogen under rainfed situations of western Himalayan hills

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ABSTRACT

In the present investigation the combination of 4 genotypes ('GPU 45', 'VR 708', 'VL 149' and Local check) and 4 nitrogen levels (0, 20, 40 and 60 kg/ha) were tested for assessing the newly developed finger millet genotypes in relation to nitrogen levels suitable for western Himalayan hills under rainfed conditions. It was found that among all the test genotypes, 'VL 149' produced significantly higher grain and straw yields. The application of different doses of nitrogen on different pre-released varieties of finger millet revealed that 60 kg N /ha produced highest grain and straw yields across the varieties tried. But the response was significant with the application of N up to 40 kg/ha during both the years.

Key words : Finger millet, Genotype, Nitrogen, Yield