

Efficacy of Pre-emergence, Post- emergence and Tank Mix Application of Herbicides for Control of Weeds in Pearl millet

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ABSTRACT

Weed control studies in hybrid pearl millet (NPH-2475) were carried out during *kharif* seasons of 2014-15 at Agricultural Research Station, Malnoor University of Agricultural Sciences, Raichur, Karnataka. Results indicated that tank mix application of atrazine @ 0.32 kg ha⁻¹ + pendimethalin 0.5 kg ha⁻¹ followed by one hand weeding recorded significantly the highest grain yield (2123 kg ha⁻¹). The next best treatments were pendimethalin (1.0 kg ha⁻¹) followed by one hand weeding (1543 kg ha⁻¹) and hand weeding twice (1525 kg ha⁻¹). The weed intensity was lower in these treatments. Among the herbicides, atrazine was more efficient in controlling broad leaved weeds while pendimethalin controlled monocot weeds. Hence, the combination showed best performance

Key words : Grain yield, Herbicides, Pearl millet, Tank mix application of herbicides.