



**Research Paper**

## Economic of cropping systems for timely and late sown situations

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**ABSTRACT :** The experiment was conducted at the Dryland Agricultural Research Centre, Vasandrao Naik Marathwada Agricultural University, Parbhani during *Kharif* and *Rabi* seasons of 2006-2007 and 2007-2008. Eight different promising cropping systems of important crop of Marathwada region were tested in varied weather condition under rain fed agriculture. At the end of two year experiment it was investigated that, sowing of all the cropping systems in 26<sup>th</sup> MW recorded the highest mean productivity as compared to delayed sowing after 26<sup>th</sup> MW. The data further revealed that the parlimillet + pigeonpea ( $C_5$ ), sorghum + pigeonpea ( $C_4$ ), greengram – *Rabi* sorghum ( $C_8$ ), soybean + pigeonpea ( $C_6$ ) showed the better performance over the sowing dates as compared to all the other cropping systems. The lowest mean productivity of 537 kg/ha was obtained when sorghum + pigeonpea ICS sown in 32<sup>nd</sup> MW ( $D_4C_4$ ) followed by  $D_4C_1$ ,  $D_4C_7$ ,  $D_3C_1$  and  $D_3C_4$  treatment combinations. The benefit cost ratio observed to be highest in  $D_1 \times C_5$  *i.e.* pearl millet + pigeonpea (26<sup>th</sup> MW).

**KEY WORDS :** Cropping systems, Late sown situations, Pigeonpea, Greengram, Soybean

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