



Evaluation of forage qualities of sorghum (*Sorghum bicolor* L.) under varying jeevamrit formulations and their spraying interval

MOHD. ARIF¹, RAVINDRA KUMAR¹, ARVIND KUMAR¹ and D L GUPTA¹

ICAR-Central Institute for Research on Goats, Makhdoom, Uttar Pradesh 281 122 India

Received: 2 January 2023; Accepted: 20 June 2023

Table 1. Effect of different jeevamrit formulations and spraying interval on total yield of proximate chemical constitute of forage sorghum

Treatment	CP Yield (kg/ha)	EE Yield (kg/ha)	Ash Yield (kg/ha)
<i>Jeevamrit (J)</i>			
Jeevamrit-1	744.4	191.8	1120.8
Jeevamrit-2	822.8	212.3	1233.9
Jeevamrit-3	854.2	222.9	1290.6
SEm±	19.6	6.1	30.6
CD (p=0.05)	58.8	18.2	91.7
<i>Spray interval in weeks (I)</i>			
One week	867.1	225.3	1316.8
Two weeks	821.3	212.9	1235.7
Three weeks	733.0	188.8	1092.8
SEm±	19.6	6.1	30.6
CD (p=0.05)	58.8	18.2	91.7
Interaction of J × I	NS	NS	NS

CP: Crude protein; EE: Ether extract.

Table 2. Effect of different jeevamrit formulations and spraying interval on total uptakes of macro nutrients in forage sorghum

Treatment	Nitrogen uptake (kg/ha)	Phosphorus uptake (kg/ha)	Potassium uptake (kg/ha)
<i>Jeevamrit (J)</i>			
Jeevamrit-1	119.1	24.3	175.0
Jeevamrit-2	131.7	27.2	194.3
Jeevamrit-3	136.7	28.6	201.4
SEm±	3.1	0.8	4.6
CD (p=0.05)	9.4	2.5	13.7
<i>Spray interval in weeks (I)</i>			
One week	138.7	29.2	204.5
Two weeks	131.4	27.3	194.5
Three weeks	117.3	23.5	171.6
SEm±	3.1	0.8	4.6
CD (p=0.05)	9.4	2.5	13.7
Interaction of J × I	NS	NS	NS