

RESEARCH ARTICLE

Effect of feeding sprouted sorghum [*Sorghum bicolor* (L.) Moench.] grains on yield and chemical composition of cow milk

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ABSTRACT..... Twelve indigenous cows in a switch over design were allotted to different feeding groups of sorghum grain sources DGSG, FEHSSG, STHSSG and NSHSSG. The grain sources constituted 30 per cent of the concentrate SUGRAS. After pre-trial period of seven days, each of the grain sources was fed to cows for the period of 15 days followed by seven days resting period. The results revealed that, dry matter intake(DMI) and milk yield were unaffected by feeding of sprouted sorghum grains. While 4 per cent FCM and milk composition *i.e.* milk fat, milk protein, lactose, solids not fat and total solids were found higher for sprout-fed diets as compared to dry ground unsprouted sorghum grain diet. The feeding of forty eight hours sprouted sorghum grain(FEHSSG) seemed to be helpful to raise 4 per cent FCM production which in turn could give more monetary benefits at selling time hence, preferred to dry grounded sorghum grains (DGSG).

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KEY WORDS..... Dry ground sorghum grain, Sprouted sorghum grain, Period of sprouting, Lactating cows

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