**EFFECT OF VARIOUS LEVEL OF NITROGEN AND PHOSPHORUS FERTILIZER WITH SHEEP AND GOAT MANURE ON MORPHOLOGY, YEILD AND CHEMICAL COMPOSITION OF JUMBO FODDER AT CHITTAGONG**



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**Effect of various level of nitrogen and phosphorus fertilizer with sheep and goat manure on Morphology, yield and Chemical composition of Jumbo fodder at Chittagong**



**This Production report submitted as per approved style and content**

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**LIST OF ABBREVIATIONS:**

**Abbreviations** **Elaborations**

CP Crude Protein

DM Dry Maters

TSP Triple Super Phosphate

MP Murate of Potash

Mm Mili-meter

CM Centimeter

.

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**Sarker, R. (2012).Effect of various level of nitrogen and phosphorus fertilizer with sheep and goat manure on Morphology, yield and Chemical composition of Jumbo Fodder Production at Chittagong**

**Abstract**

An experiment was conducted to evaluate the effect of various levels of nitrogen and phosphorus fertilizer with sheep and goat manure on botanical parameters, yield and chemical composition of Jumbo fodder. The experiment was conducted by using 10 ton/h sheep and goat manure as basal dose for all treatments and Treatment T1 is control without any inorganic fertilizer,T2 contain 50 kg/h urea and 50 kg/h TSP, T3 applied 100kg/h urea and 60kg/h TSP and T4 applied 150kg/h urea and 70 kg/h TSP.A significant effect (P<0.01) of nitrogen and phosphorus fertilizer application on plant leaf and stem length was observed with 100kg/h nitrogen and 60 kg TSP/h at 75 days of harcvesting. Whole plant length highest was observed in T1 which was insignificant. Stem and leaf percentage was insignificant but highest percentage was found in T3. Total yield of fodder was highly significant and highest in T3 ( 55.22ton/h ). Non-significant(P>0.01) effect was observed on DM percentage of whole Jumbo fodder, leaf and stem of fodder. Highest DM was found about 92.39 in T4. Ash percentage was also found significant (P>0.01) but with higher doses of nitrogen found lower ash%..A significant effect was also found on CP percentage and it also observed that with higher doses of nitrogen fertilizer increased the CP percentage of Jumbo fodder. Based on above findings it may be suggested that 100kg/h urea and 60kg/h TSP can be used for highest production of Jumbo fodder at Chittagong.

**Key Words:** Jumbo fodder, urea fertilizer, Triple super phosphate, botanical parameters, chemical composition, sheep and goat manure.

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