

Cow Urine: A Potential Benefits and Uses in Agriculture

Ambigalakshmi N¹, M. P. Raghavi², S. Yogha Sri³ and N. Indianraj⁴

UG Scholar, Thanthai Roever Institute of Agriculture and Rural Development, Perambalur, Tamilnadu, India^{1,2,3}

PhD Scholar, Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar, India⁴

Corresponding author mail-id: indianrajagri5243@gmail.com

Abstract: *A cow has high socio-cultural values, plays significant role in rural Economy, represent cattle wealth and bio-diversity. Cow urine is the most effective substance of animal origin with innumerable therapeutic values. Various kinds of pathogens such as bacteria, fungi, viruses, nematodes, and Mycoplasma causing diseases remain a major threat to public health. Despite tremendous progress in human medicine. Many researches have been done and have shown cow urine use for treatment of skin diseases, stomach diseases, diabetes, etc. It is also useful in agriculture for preparation of vermicompost, bio-fertilizers and bio pesticides. It plays a significant role in production of vegetables and control of plant diseases. Researches on cow urine are summarized in this article. However, more well-planned researches are required to prove its qualities and benefits in Agricultural production as well as medicinal importance in Botswana. Public awareness is also required to share knowledge and promote the importance and wide applications of cow urine.*

Keywords: Cow urine, Bio-pesticide, bio-fertilizer, growth and soil fertility

REFERENCES

- [1]. Bakang Kedumetse Kgasudi and Modiri Mantswe .2020.CowUrine: A Plant Growth Enhancer, Bio Fertilizer, Pesticide and Antifungal Agent. Int. J. Curr. Microbiol. App.Sci 9(2): 1294-1298
- [2]. Swati Swayamprabha Pradhan, Sudhanshu Verma, Sneha Kumari and Yashwant Singh.2018. Bio-efficacy of cow urine on crop production: A review International Journal of Chemical Studies ; 6(3): 298-301
- [3]. Ledgard SF, Sheath GW, Gillingham AG.1982. Influence of some soil and pasture components on the growth of hill country pastures L. Winter and spring production. New Zealand J Experimental Agri., ;10(3):239-244
- [4]. Nwite JN.2015. Effect of different urine sources on soil chemical properties andmaize yield in Abakaliki, Southeastern Nigeria. Int.J Adv. Agricultural Res.;3:31-36.
- [5]. Veerasha, Sharanappa, Gopakkali P. 2014.Effect of organic production practices on yield and soil health of irrigatedmaize (Zea mays L.) as influenced by various levels of FYM and cattle urine application. Environ. Ecol. ;32(2A):627-630.