



CONCLUSION

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Panchakavya have wide applications and have the potential for sustainable agriculture, production of non-conventional energy and for maintaining the soil fertility and microbial diversity of the ecosystem. Chemical fertilizers, pesticides and exploitation of ground water increased the food grain production levels but obtained at a higher cost of fertility and health of soil. Panchakavya reduce the insect invasion, retained the soil fertility, water holding capacity of soil, easy preparation method, low cost, economical and profitable. The Panchakavya not only enhances the plant yield and growth rate, it also reduces the insect invasion and fungal attack. The results of the present study clearly show that panchakavya is an organic fertilizer, pesticide and growth promoter. The efficacy of panchakavya was increased by adding several adjuvants of which panchakavya with animal waste proves to be best in getting higher yields. Panchakavya with neem cake reduced the pest and fungal attack and it increased the water holding capacity of the soil. Organically grown food has got its own advantages for which a systemic research and development programme in respect of sustaining agricultural system through pure organic methods is the need in the near future.